



McHenry County

2018 - 2022

Transportation Program

Approved: November 14, 2017



Front Cover Photo:

Charles Road at Raffel Road Roundabout

Opened to Traffic: September 1, 2017

Proposed

2018-2022

Transportation Program for McHenry County

prepared by

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Mission Statement

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

endorsed by the

Transportation Committee
of the McHenry County Board

Thomas Wilbeck – District 1
Jeffrey Thorsen, Vice-Chair – District 2
Joseph Gottemoller, Chair – District 3
Donald Kopsell – District 3
Craig Wilcox – District 4
Michael Skala – District 5
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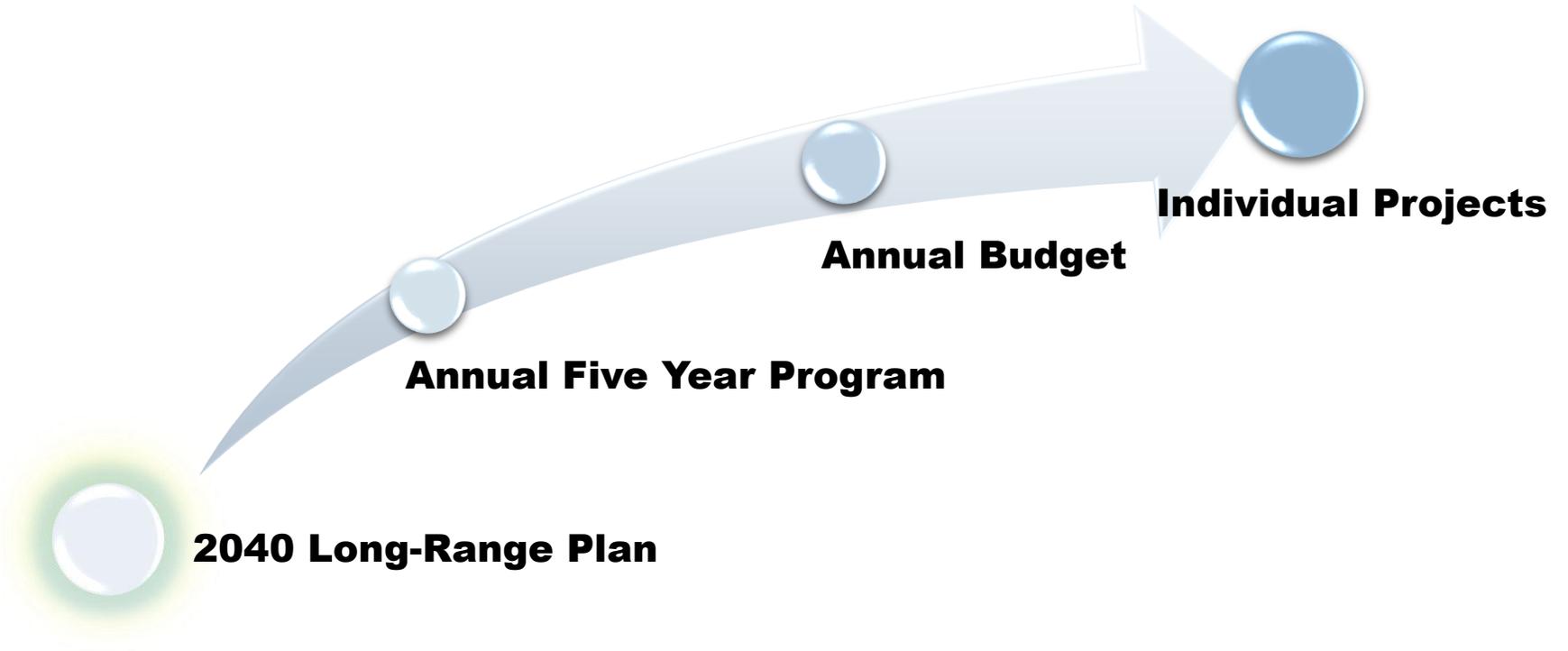
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1. Executive Summary

The McHenry County 2018-2022 Transportation Program (“the 2018-2022 Program”) is a financial and planning tool required by State statute to assist with the development of the annual budget and is consistent with the County’s transportation and strategic plans (See Figure 1). The 2018-2022 Program includes information to better coordinate and leverage the annual appropriations of Federal and State dollars administered by the Metropolitan Planning Organization (MPO) and the State Department of Transportation (IDOT), as recommended by the County’s 2014 Strategic Plan and as outlined in the County Board approved 2016 Action Plan. As required by State statute it contains a list of major improvements anticipated within the next five years, an estimate of revenues which will become available during that period, and states the work the County intends to undertake with respect to planning, design, construction, maintenance, and other related efforts. **This Five Year Program covers the time period from December 1, 2017 to November 30, 2022, and is prepared in advance of the start of the county’s 2018 fiscal year.**

Figure 1: McHenry County Long Range Transportation Plan Implementation



The 2018-2022 Transportation Program is an update to the McHenry County Long-Range Transportation Plan (“the 2040 Plan”) which was approved in March 2014. The 2018-2022 Program also conforms to Vision and Strategies for Quality Infrastructure contained in the County’s Strategic Plan.

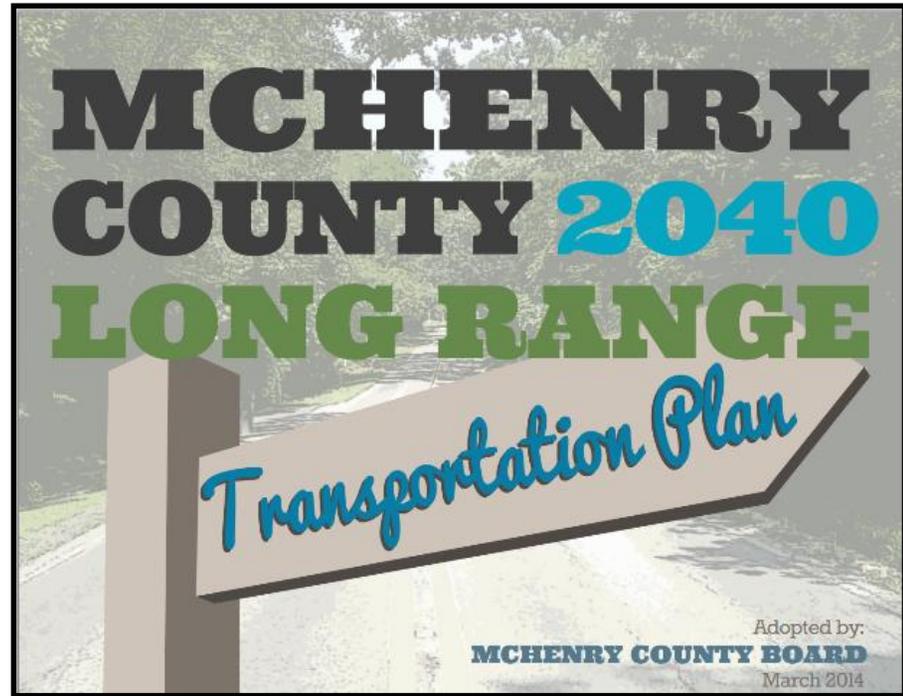
McHenry County 2040 Long-Range Transportation Plan

The six goals, and corresponding objectives (pg. 18-20 of the *2040 Plan*), were adopted by the McHenry County Board in order to guide future implementation of transportation projects:

2040 Long Range Transportation Plan Goals

- 1) Mitigate highway congestion,
- 2) Make transportation safer,
- 3) Promote mobility for all residents,
- 4) Provide transportation choices,
- 5) Preserve environmental quality, and
- 6) Link transportation and land use.

After three years of soliciting input from the public, four transportation projects were identified and consistently supported by the public, local agencies, and local businesses. The top four projects identified as part of the 2040 planning process are:



Illinois Route 47

Between Reed Road in Huntley and U.S. 14 in Woodstock*

Illinois Route 47

Between U.S. 14 and Charles Road in Woodstock*

Illinois Route 31

Between IL 176 in Crystal Lake and IL 120 in McHenry*

Metra Union
Pacific Northwest

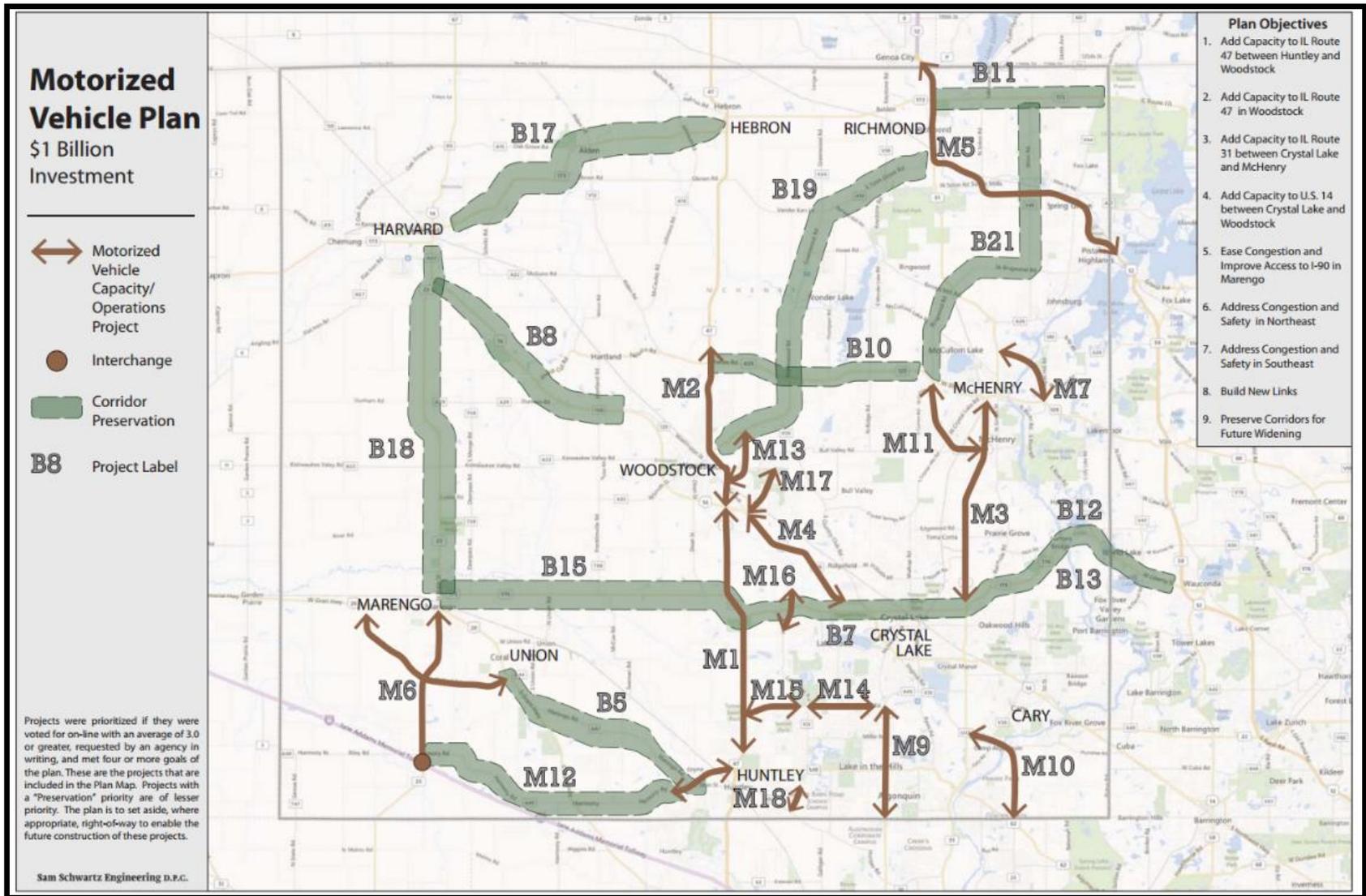
Commuter Rail Line Upgrades

The *2040 Plan* outlines in detail the plan's project priorities by mode of travel.

Figures 2, 4 and 5 highlight the motorized vehicles, transit, and bicycle and pedestrian plans, respectively. These Figures show total investment, plan objectives, and project labels (see the *2040 Plan* Appendices for more details on specific project identified in these plans).

**Illinois Route 47 and 31 projects are led by the State of Illinois, no McHenry County funding identified in this Transportation Program.*

Figure 2: Motorized Vehicle Plan, the 2040 Plan (pg. 98)



*M4 Built – U.S. Route 14 from Crystal Lake to Woodstock

*M6, M7, M9, M14 included in the 2018-2022 Transportation Program



\$39 million each year for new highways



\$21 million each year for new transit



\$2.5 million for new bicycle / pedestrian facilities

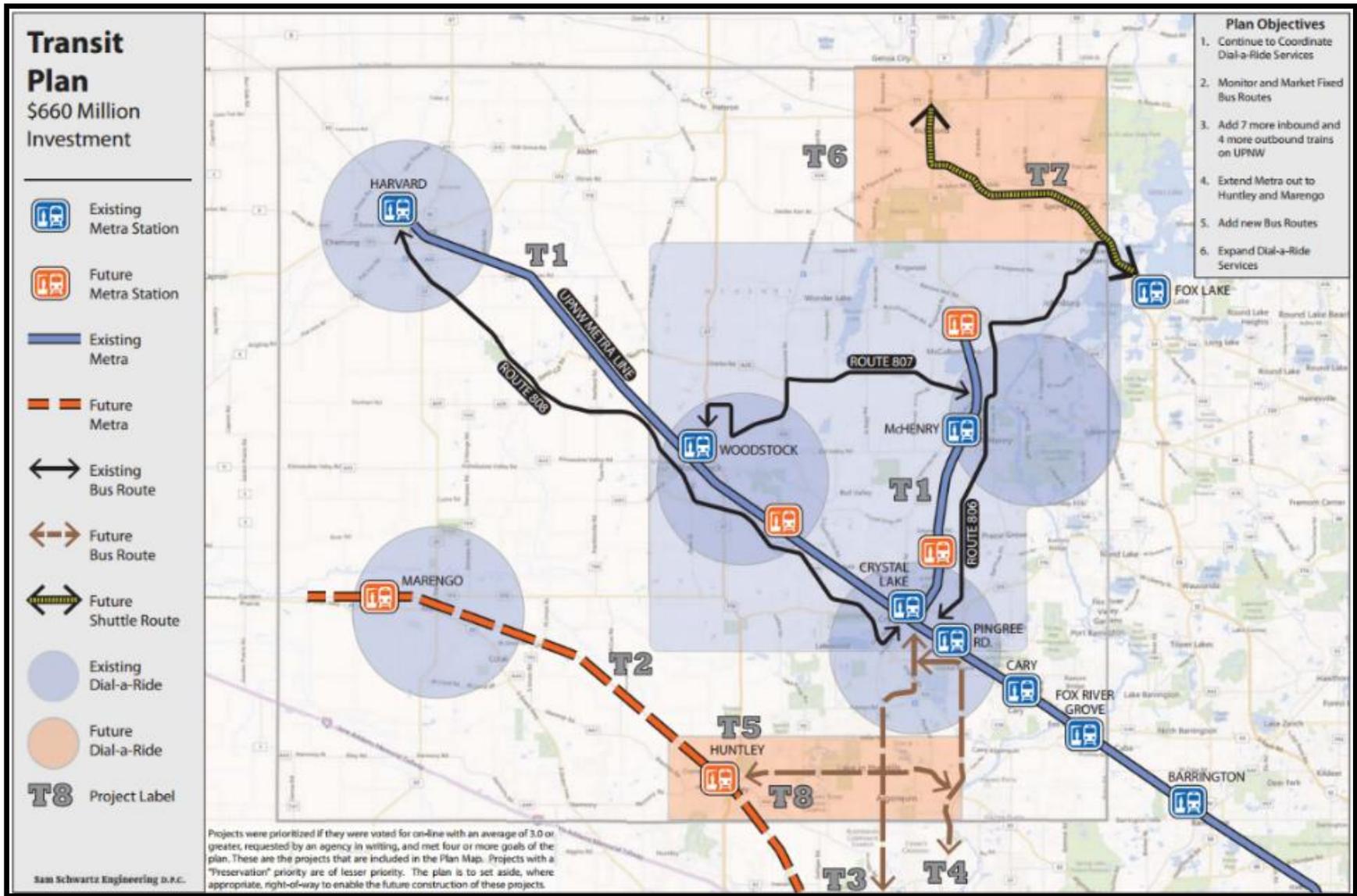
Figure 3: The 2040 Plan Annual Average Investment

In addition to realizing these projects, the 2040 Plan calls for a greater focus on addressing congestion on local streets. Future traffic models indicate that the local streets will likely see more dramatic changes in congestion levels than State and County highways. The 2040 Plan calls for transportation infrastructure and operations to be coordinated in order to enhance free movement in our towns for all roadway users. Figure 3 shows the estimated amount of funding per year for motorized vehicles, transit, and non-motorized transportation in the 2040 Plan based on past and current trends and future revenues and infrastructure maintenance costs. The 2040 Plan includes anticipated funding from all government agencies, not just McHenry County.

McHENRY COUNTY'S TRANSPORTATION NETWORK CONSISTS OF ROADS, BRIDGES, TRANSIT SERVICES AND BIKE PATHS UNDER THE JURISDICTION OF:

- THE STATE OF ILLINOIS
- McHENRY COUNTY
- 29 MUNICIPALITIES
- 17 TOWNSHIP ROAD DISTRICTS
- ILLINOIS TOLLWAY
- METRA
- PACE
- AND THE McHENRY COUNTY CONSERVATION DISTRICT

Figure 4: Transit Plan



*T3 – Pace Bus Route 550 – Elgin to Crystal Lake Operational

*T7 – Pace Bus Route 809 – Richmond to Fox Lake Metra Shuttle Operational

In total, the 2040 Long Range Transportation Plan includes approximately \$1 billion in projects for motorists, \$660 million for transit projects, and \$63 million for bicycle and pedestrian projects. To implement these projects and to best prepare for the future, the following strategies will be key:

1

Build legislative support for Metra service upgrades

2

Prioritize preventative maintenance on roadways

3

Leverage State funding for bicycle and pedestrian infrastructure and corridor preservation along State and U.S. Highways

4

Build more robust local road networks including accommodations for all users to mitigate local traffic congestion

Public Communication

The McHenry County Division of Transportation has started utilizing new communication channels to interact with the public. Tools like [Facebook](#) have expanded the reach of information that is communicated to the public, and has allowed residents to share information quickly and easily with Division of Transportation staff.

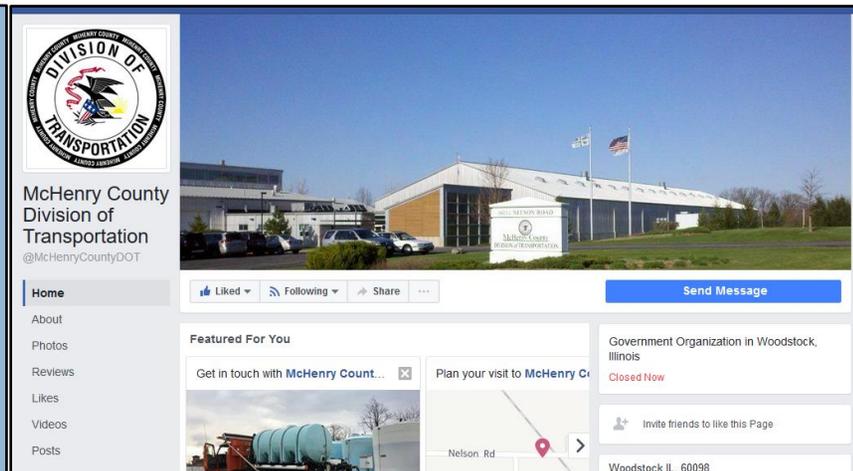
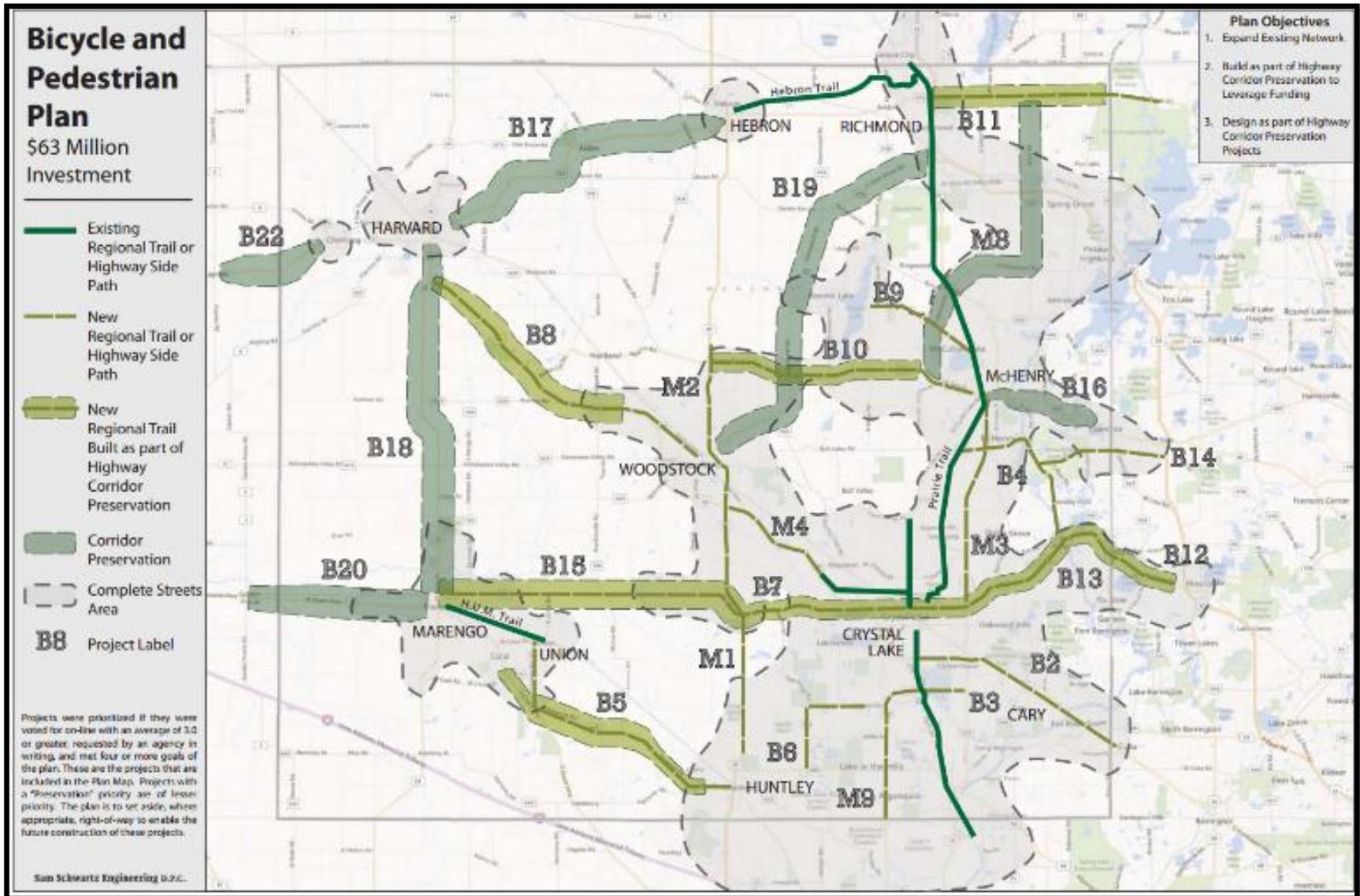


Figure 5: Bicycle and Pedestrian Plan, the 2040 Plan (pg. 67)



*M4 Built – Multi-use path from McHenry County College to Woodstock

*B3, B4, B6, M9 are included in the 2018-2022 Transportation Program

2016 Action Plan for McHenry County

On January 5, 2016 the County Board adopted a new Action Plan for McHenry County. The 2016 Action Plan sets goals for McHenry County government in 2016 and provides a framework for the Division of Transportation activities and investments through implementation strategies. The Division of Transportation works to implement the Quality Infrastructure section of the Action Plan through the Long-Range Transportation Plan, the Five Year Transportation Program, the annual budget, and individual projects.

The 2018-2022 Program represents McHenry County's continued commitment to help alleviate travel constraints while meeting its obligation to preserve and protect the taxpayers' investment in transportation infrastructure.

2017 Highlights

The McHenry County Division of Transportation budgeted \$49.4 million in 2017 to maintain and improve the County's transportation network. Highlights from 2017 includes:

- ✓ 33 lane miles of pavement preservation
- ✓ 26 lane miles of resurfacing
- ✓ Completion of the Charles Road at Raffel Road roundabout project
- ✓ Construction of an improved bicycle and pedestrian crossing at the intersection of Ackman Road and Amberwood Drive in Crystal Lake.

2018-2022 Program Highlights

The McHenry County 2018-2022 Five Year Transportation Program includes \$212.6 million in project expenditures, including:

- \$41.6 million for capacity and operational changes to Randall Road, from Harnish Drive to Acorn Lane/Polaris Drive (\$21.1 million from County funds).
- \$30.6 million for an interchange at Illinois Route 23 and Interstate 90 (\$6.4 million from County).
- \$27.9 million for County pavement preservation and resurfacing.
- \$10.4 million for the provision of MCRide dial-a-ride service to McHenry County residents.
- \$10.0 million for the Nondedicated Subdivision Road Construction Program.
- \$6.7 million for an Ackman Road Safety Project.

Project Prioritization

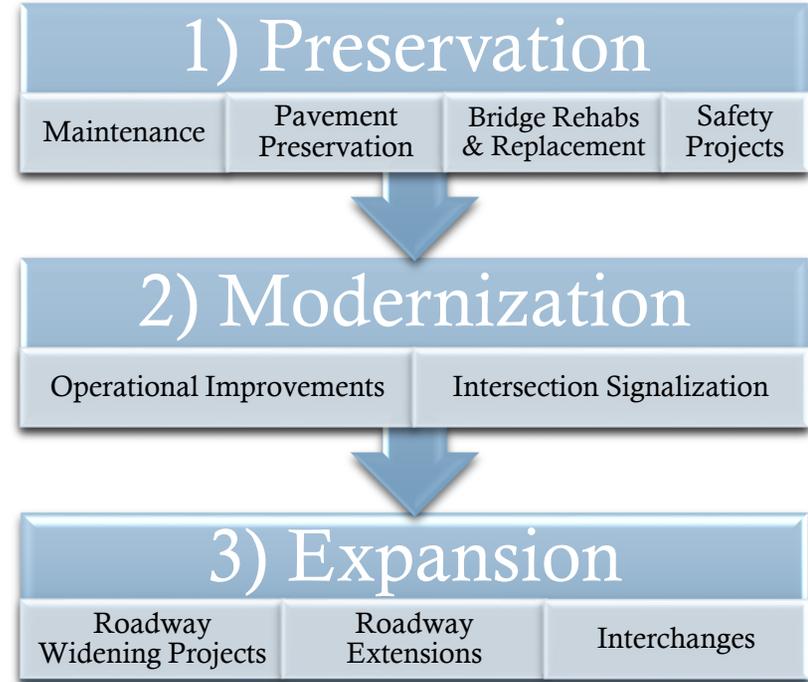
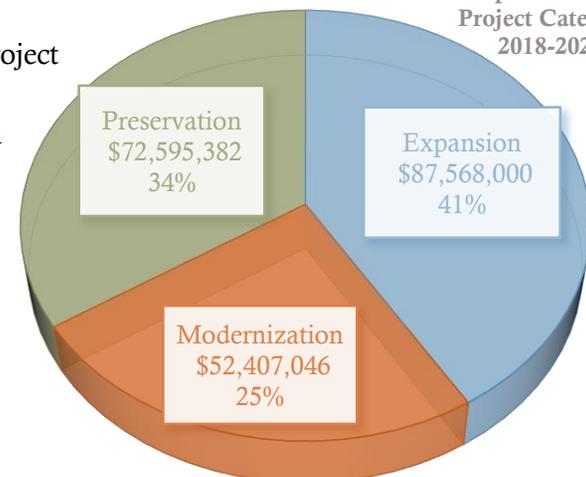


Figure 7: Project Prioritization

Figure 6: Total Expenditures by Project Category, 2018-2022



2018-2022 Program Development

In updating the 2018-2022 Program, system preservation projects (general maintenance, bridge improvements and replacement, pavement preservation) are the highest funding priorities. System modernization (operational improvements) is a secondary priority. System expansion projects (highway capacity) are programmed after funding is designated for preservation and modernization. These priorities reflect the fact that the McHenry County Division of Transportation is a full service transportation agency. It provides planning, engineering, construction management, capital investments, and operational support to address the demands of maintaining the transportation network in McHenry County in a safe and efficient manner.

Program Type	McHenry County	State	Federal	Local/Other	Tollway	Total
<i>County Highway Operational and Capacity Program</i>	\$26.9	\$0.0	\$20.5	\$0.3	\$0.0	\$47.6
<i>State Highway and Access to Interstate Program</i>	\$6.9	\$10.1	\$9.5	\$0.4	\$16.2	\$43.0
<i>County and Township Bridge Program</i>	\$8.9	\$0.4	\$21.3	\$0.0	\$0.0	\$30.6
<i>County Highway Pavement Preservation</i>	\$27.7	\$0.0	\$0.0	\$0.0	\$0.0	\$27.7
<i>Bicycle, Pedestrian, and Transit Program</i>	\$9.6	\$0.0	\$2.3	\$7.7	\$0.0	\$19.6
<i>County Highway Maintenance Program</i>	\$15.4	\$0.0	\$0.0	\$0.0	\$0.0	\$15.4
<i>Public Safety and Health</i>	\$13.9	\$0.3	\$1.1	\$0.0	\$0.0	\$15.3
<i>Miscellaneous Program</i>	\$12.7	\$0.0	\$0.7	\$0.0	\$0.0	\$13.3
Grand Total	\$122.0	\$10.8	\$55.3	\$8.3	\$16.2	\$212.6

Table 1: Programmed Expenditures 2018-2022, by Program Type (in Millions)

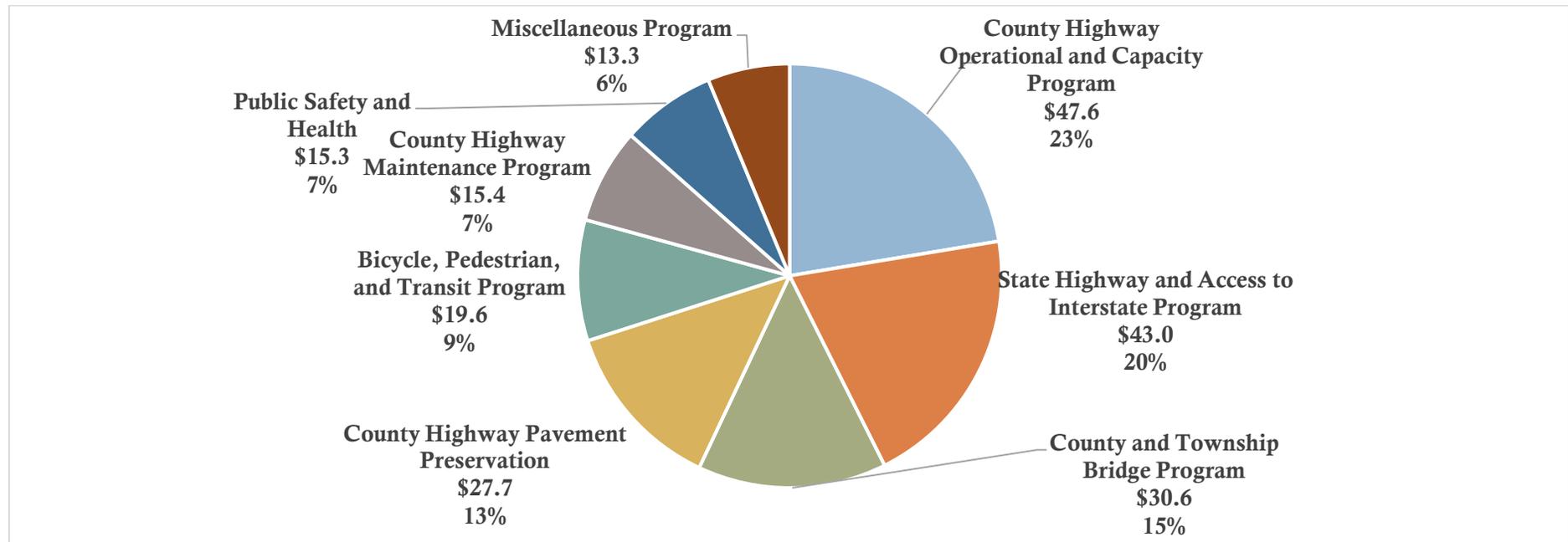


Figure 8: Programmed Expenditures 2018-2022 (in Millions)

Funding Priorities

County Maintenance Program

The *County Maintenance Program* includes funds for materials needed to maintain County roadways including salt for snow removal, sign materials, paint for lane striping, and traffic signal maintenance. Over the next five years, the program includes \$15.4 million (7% of total expenditures) for roadway maintenance.

County Pavement Preservation Program

The *County Pavement Preservation Program* includes funds for evaluating pavement condition on a regular basis and performing crack sealing, resurfacing, and roadway rehabilitation. Over the next five years, the program includes \$27.7 million (13% of total expenditures) for pavement management and roadway rehabilitation projects.

County and Township Bridge Program

The *County and Township Bridge Program* includes funds for biennial bridge inspections, emergency repairs, and rehabilitation and reconstruction for bridges, drainage ways, and storm sewer systems. Consistent with the McHenry County Strategic Plan's implementation strategy to replace aging bridges, all structures with structural rating under 60 on a 100 scale are programmed to begin engineering. Over the next five years, the program includes \$30.6 million (15% of total expenditures) for 20 bridge replacement or rehabilitation projects and other bridge work. Of that amount, \$8.9 million are from County sources (Matching and Bridge Funds).

Public Safety and Health Program

The *Public Safety and Health Program* includes funds for projects that will improve safety for both motorists and non-motorists in McHenry County. Intersections continue to be where most crashes occur. In particular, special attention is given to what are called "5% locations", which are intersections ranked among the most dangerous 5% intersections in the State of Illinois. In total, there are approximately 100 intersections under County jurisdiction, 70 intersections under County and IDOT jurisdiction, and 525 intersections under County and municipal and/or township jurisdiction. Over the next five years, \$15.3 million (7% of total expenditures) is programmed for public safety projects.

County Roadway Operational and Capacity Program

The *County Roadway Operational and Capacity Program* includes funds for projects that improve traffic flow, widen existing County highways, or build new County roads. Add lanes projects are high cost and are only undertaken after extensive planning and engineering. Over the next five years, \$47.6 million (23% of total expenditures) is programmed for operational and capacity projects. Of that amount, the County is responsible for \$26.9 million.

State Highway Program

The *State Highway Program* includes funds for projects that are part of the State highway network or adjacent to the State highway network. Over the next five years, \$43 million (20% of total expenditures) is programmed for State highway projects. The County is responsible for \$6.9 million for these projects.

Bicycle, Pedestrian, and Transit Program

The *Bicycle, Pedestrian, and Transit Program* includes funds to support these modes of transportation, consistent with the *McHenry County 2040 Long-Range Transportation Plan*. Over the next five years, \$19.6 million (9% of total expenditures) is programmed for bicycle, pedestrian, and transit projects. Of that amount, the County is responsible for \$9.6 million.

Miscellaneous Program

The *Miscellaneous Program* includes funds for various other programs, projects, and initiatives that the Division of Transportation undertakes. Over the next five years, \$13.3 million (6% of total expenditures) is programmed for miscellaneous projects.

Anticipated Revenues

Transportation Revenue Sources

The 2018-2022 Transportation Program is funded primarily by a sales tax – the County Regional Transportation Authority Sales Tax (RTA Sales Tax) and two motor fuel tax funds – the State Motor Fuel Tax allotted to the County (County MFT) and County Option Motor Fuel Tax (County Option MFT). Two property tax levies – County Bridge and County Matching – are also used, as are reimbursements, state and federal grants, local municipal, township or developer contributions, bank account interest, and prior year fund balances.

The RTA Sales Tax is a 0.75% tax on all sales in the collar counties of DuPage, Kane, Lake, McHenry and Will, and a 1.25% tax on all sales in Cook County. One-third of the collar county (0.25%) proceeds are awarded back to the County where the tax is collected to be spent only on transportation and/or public safety. More details on the RTA Sales Tax can be found on the RTA's [RTAMS](#) website.

The State of Illinois Motor Fuel Tax of \$0.19 per gallon, which has not been increased since 1990 and is not indexed for inflation, is allotted back to the McHenry County Division of Transportation based on the number of motor vehicle license fees received from the County. The County Option Motor Fuel Tax is a separate gas tax of \$0.04 per gallon on all fuel purchased within McHenry County.

Between 2011 and 2017, total County tax receipts for dedicated transportation funds has increased by 9.8%, owing primarily to increased RTA Sales Tax collections. This trend of low growth is likely to continue into the future. The State Motor Fuel Tax allocation (MFT) and the County Option Motor Fuel Tax (Option MFT) both experienced very little growth, with a small increase occurring in 2015 and 2016 after a long period of declining MFT receipts (See Table 2, Page 12). Declining motor fuel tax revenue can be attributed to increasing vehicle fuel efficiency, a declining per-capita vehicle miles traveled (VMT), and a lack of population growth throughout the State of Illinois and in McHenry County. During this same period, inflation reduced the value of each dollar by 7%, or to 93 cents. In fiscal year 2015 a portion of revenues previously allocated to the Bridge fund were shifted to the Matching fund. Matching funds can be used for many project types including bridges. As long as federal funding is available for 80% of bridge project costs, the historical amounts being allocated to the Bridge fund should be sufficient.

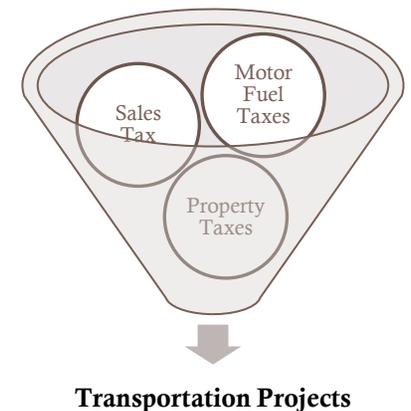
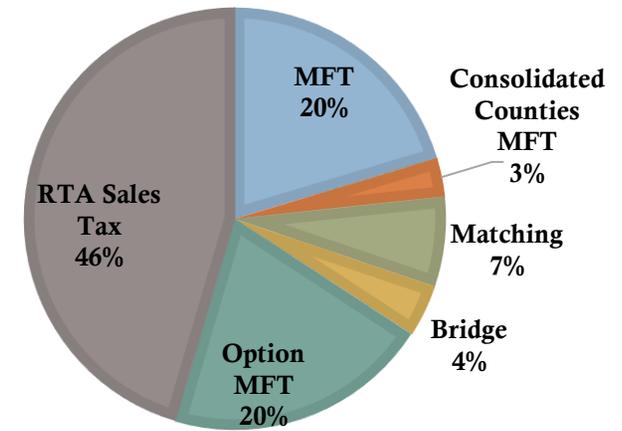


Table 2: Historical Tax Receipts, by Fund; 2011-2017 (in Millions)

Tax Year	MFT	Consolidated Counties MFT	Matching	Bridge	Option MFT	RTA Sales Tax	TOTAL
2011	\$4.7	\$0.6	\$1.1	\$1.0	\$4.3	\$8.7	\$20.4
2012	\$4.4	\$0.6	\$1.1	\$1.0	\$4.2	\$9.0	\$20.3
2013	\$4.1	\$0.6	\$1.3	\$1.3	\$4.2	\$9.2	\$20.7
2014	\$4.0	\$0.6	\$1.2	\$1.1	\$4.0	\$9.6	\$20.5
2015	\$4.1	\$0.6	\$1.8	\$0.5	\$4.1	\$9.9	\$21.0
2016	\$4.3	\$0.7	\$1.8	\$0.5	\$4.6	\$10.2	\$22.1
2017 projected	\$4.4	\$0.7	\$1.8	\$0.5	\$4.6	\$10.4	\$22.4
Seven-Year Total	\$30.0	\$4.4	\$10.1	\$5.9	\$30.0	\$67.0	\$147.4
% Δ 2011 to 2017	-6.4%	16.7%	63.6%	-50%	7.0%	19.5%	9.8%

2011-2017 MCHENRY COUNTY TRANSPORTATION REVENUE



2018-2022 MCHENRY COUNTY TRANSPORTATION REVENUE

Tax Year	MFT	Consolidated Counties MFT	Matching	Bridge	Option MFT	RTA Sales Tax	TOTAL
2018	\$4.5	\$0.3	\$1.7	\$0.5	\$4.5	\$10.7	\$22.2
2019	\$4.4	\$0.3	\$1.7	\$0.5	\$4.4	\$11.0	\$22.3
2020	\$4.3	\$0.3	\$1.7	\$0.5	\$4.3	\$11.3	\$22.4
2021	\$4.2	\$0.3	\$1.7	\$0.5	\$4.2	\$11.6	\$22.5
2022	\$4.1	\$0.3	\$1.7	\$0.5	\$4.1	\$11.9	\$22.6
Five-Year Total	\$21.5	\$1.5	\$8.5	\$2.5	\$21.5	\$56.5	\$112.0
% Δ 2018 to 2022	-8.9%	0%	0%	0%	-8.9%	11.2%	1.8%

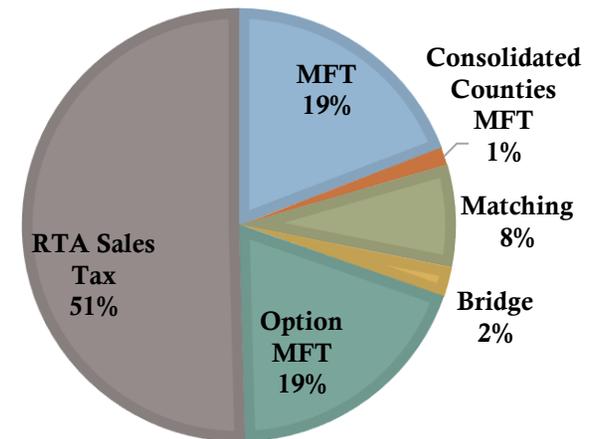


Table 3: Estimated Future Tax Receipts Allocated to Funds; 2018-2022 (in Millions)

Impacts of the FAST Act

The County relies on federal funding for bridge replacement work and for highway widening projects. In December 2015 a five-year Federal Transportation Bill called the **Fixing America’s Surface Transportation (FAST) Act** was signed into law providing federal funding for transportation through federal fiscal year 2020.

The FAST Act increases federal highway funding by 15% and transit funding by 18% over the life of the bill. The bill maintains current rates for the federal motor fuel tax (MFT) and therefore continues to rely heavily on transfers from the General Fund to support additional transportation spending. In addition, the FAST Act further streamlines the environmental review and permitting process to accelerate project approvals.

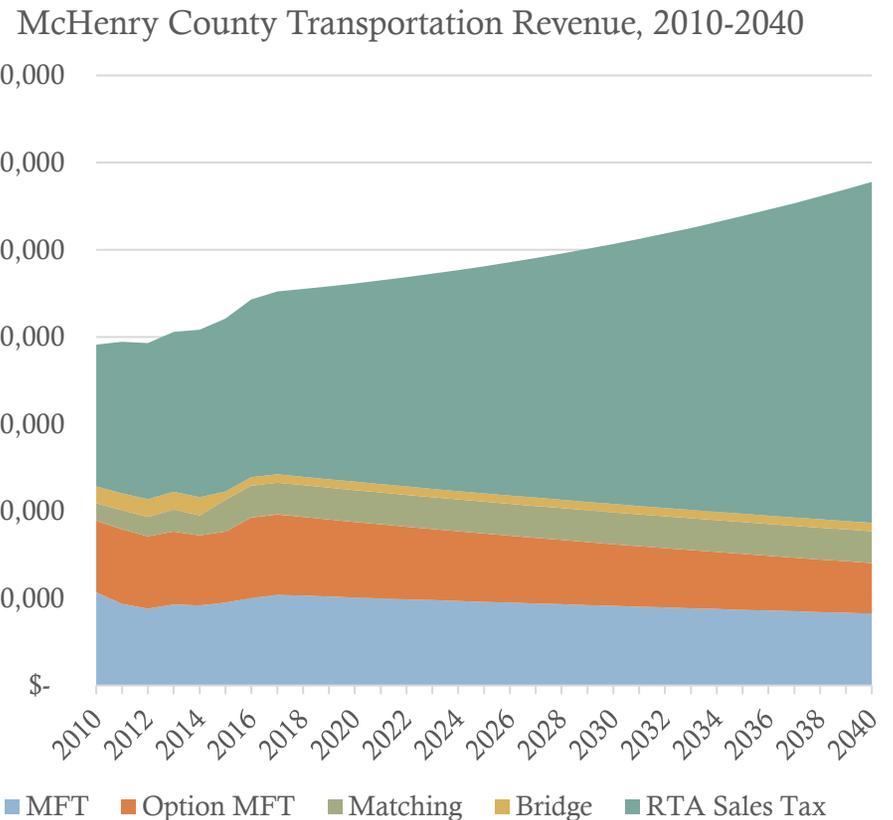
The bill also creates two new freight programs – the National Highway Freight Program and the Nationally Significant Freight and Highways Program – which will benefit the Chicago region as the hub of freight movement in the United States.

Financial Constraints

Over the next 5 years, a total of **\$204.1 million** is estimated in transportation project revenue from all sources – Federal, State, County, and local (See Figure 9 on next page). Of that amount, \$113.5 million, or 56%, are from County sources. It is anticipated that MFT and County Option MFT revenues will decrease (- 1-2% each year). On the other hand, the County RTA sales tax receipts are estimated to increase 2.5% annually for the foreseeable future. In the meantime, the Bridge and Matching funds are anticipated to remain flat during the life of this transportation program.

Historically, the transportation system has been funded by user fees, or taxes paid by the users of the system to maintain the system. However, the current program shows that only 39% of all County revenues (\$44.5 million out of \$113.5 million) are generated directly from roadway users through the motor fuel (gas) tax. Most of the County’s funding for transportation is paid for by both drivers and non-drivers alike, primarily through the RTA Sales Tax but also from two County Property Tax funds (Matching and Bridge Funds).

Anticipated Expenditures



Over the next 5 years, an estimated \$212.6 million in project work is programmed to be undertaken by the McHenry County Division of Transportation and other agencies on 78 projects and programs (See Table 4).

Figure 9: All Sources of Transportation Funds; with breakdown showing County Transportation Revenue Sources; FY18-22 (in Millions)

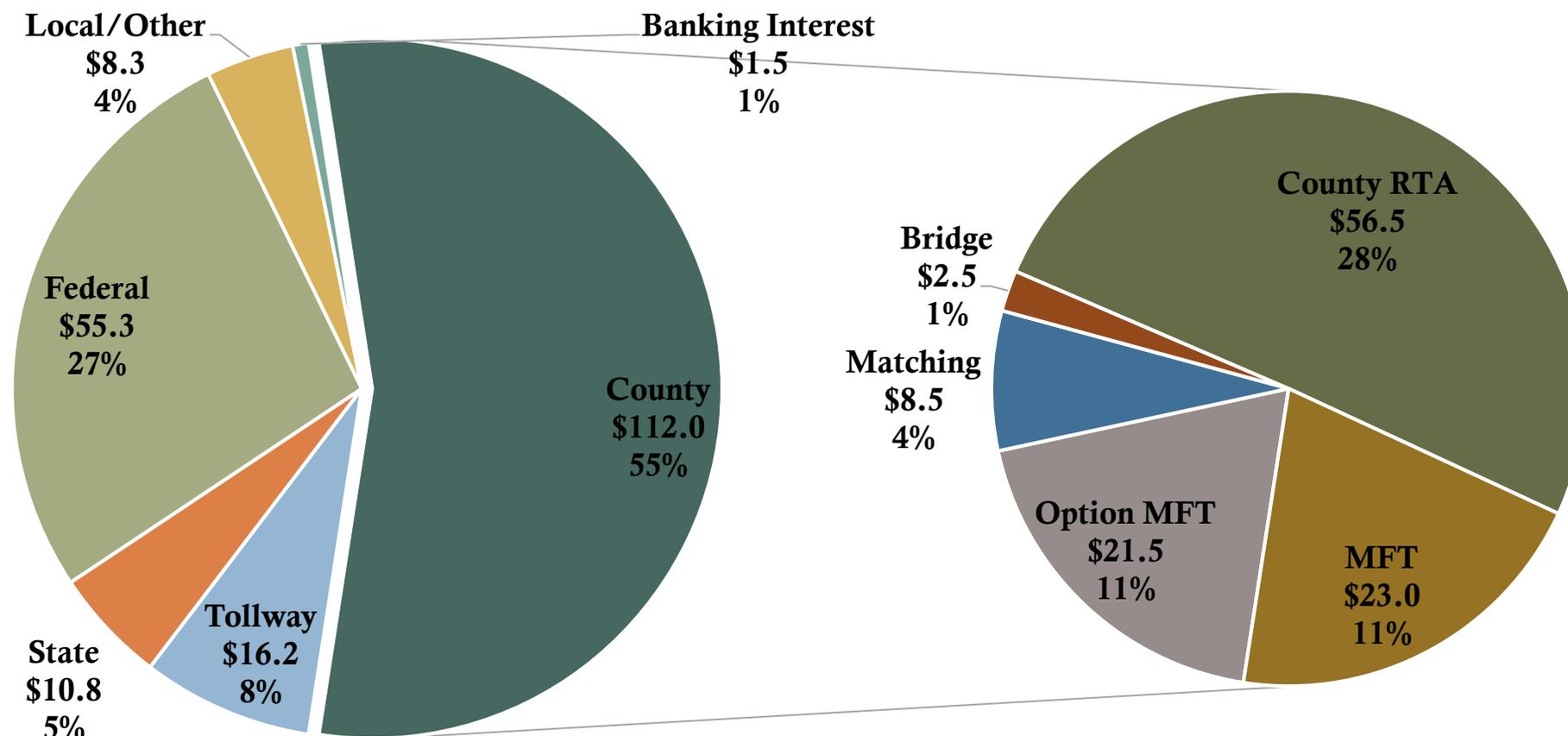


Table 4: Recent Five Year Program Comparison (in Millions)

Programmed Amounts	12-16	13-17	14-18	15-19	16-20	17-22	18-22
Expenditures	\$250.5	\$224.2	\$188.5	\$260.9	\$216.1	\$250.3	\$212.6
Revenues	\$212.0	\$201.2	\$161.0	\$217.8	\$173.0	\$237.2	\$204.1
Expenditures - Revenues	\$38.5	\$23.0	\$28.0	\$43.1	\$43.1	\$13.1	\$8.5
Expenses/Revenues	1.18	1.11	1.17	1.20	1.25	1.05	1.04
Number of Projects/Programs	73	63	64	66	65	71	78

** The 2017-2022 Transportation Program included six years of expenditures and revenue calculations. This was done to show planned work in the five years following the current County fiscal year (2017).*

The 2018-2022 Program includes work in all districts of the County (See Figure 10). The 2018-2022 Program includes \$41.6 million for “Add Lanes” projects, \$27.7 million for “Pavement Preservation” projects, and \$30.9 million for 20 bridge replacement and rehabilitation projects. (See Table 5).

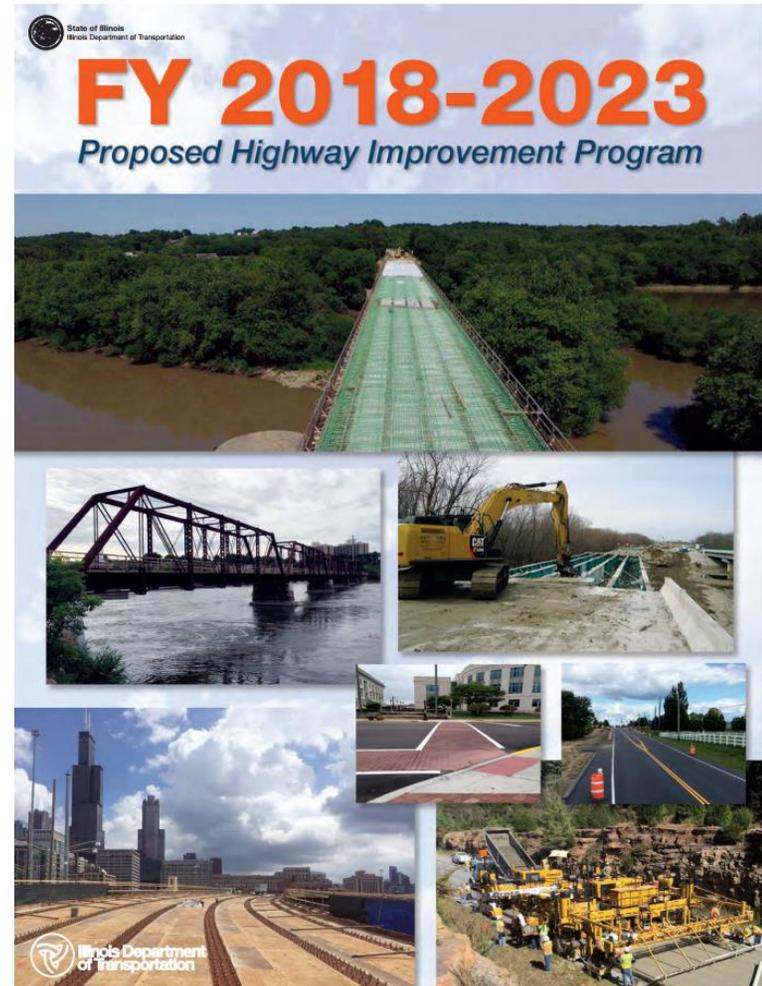
Table 5: Programmed Expenditures 2018-2022; by Project Type (in Millions)

Project Type	Total County Costs	State	Federal	Local/Other	Total Project Cost
Pavement Preservation	\$27,702,300	\$0	\$0	\$0	\$27,702,300
Add Lanes	\$21,114,542	\$0	\$20,468,458	\$0	\$41,583,000
Intersection	\$12,619,836	\$2,054,160	\$10,503,999	\$363,209	\$25,541,204
NSR	\$11,708,100	\$0	\$0	\$0	\$11,708,100
Maintenance	\$9,239,837	\$0	\$0	\$0	\$9,239,837
Interchange	\$6,362,000	\$8,076,000	\$0	\$16,152,000	\$30,590,000
Bridge Replacement	\$5,331,505	\$448,000	\$14,938,020	\$0	\$20,717,525
Metra	\$4,000,000	\$0	\$0	\$0	\$4,000,000
Shared Use Path	\$3,834,000	\$0	\$0	\$958,500	\$4,792,500
Bridge Rehabilitation	\$3,816,188	\$0	\$6,348,500	\$0	\$10,164,688
Safety Project	\$3,542,050	\$255,000	\$108,450	\$15,000	\$3,920,500
Roadway Realignment	\$3,000,000	\$0	\$0	\$0	\$3,000,000
Signals	\$2,665,573	\$0	\$0	\$0	\$2,665,573
Paratransit	\$1,815,000	\$0	\$2,305,000	\$6,695,000	\$10,815,000
Culverts	\$1,258,542	\$0	\$0	\$0	\$1,258,542
ADA	\$1,000,000	\$0	\$0	\$0	\$1,000,000
Planning	\$975,000	\$0	\$240,000	\$0	\$1,215,000
Guardrail	\$502,000	\$0	\$0	\$0	\$502,000
Facility	\$500,000	\$0	\$0	\$0	\$500,000
Other	\$492,330	\$0	\$412,330	\$0	\$904,659
New Roadway	\$250,000	\$0	\$0	\$250,000	\$500,000
Small Safety Project	\$250,000	\$0	\$0	\$0	\$250,000
Total	\$121,978,803	\$10,833,160	\$55,324,757	\$24,433,709	\$212,570,428

Illinois Department of Transportation's (IDOT) Highway Improvement Program

The Illinois Department of Transportation (IDOT) releases their [Highway Improvement Program](#) on an annual basis. The most recent IDOT Program covers fiscal years 2018-2023 and identifies projects led by IDOT on State and U.S. routes throughout the State of Illinois. IDOT's 2018-2023 Highway Improvement Program totals \$11.65 billion and includes an FY2018 annual program of \$2.2 billion. This \$11.65 billion in funding is split between improvements to the state highway system (\$8.02 billion) and the local highway system (\$3.63 billion). State projects located within McHenry County can be found [here](#). Some highlights in the State 2018-2023 program include:

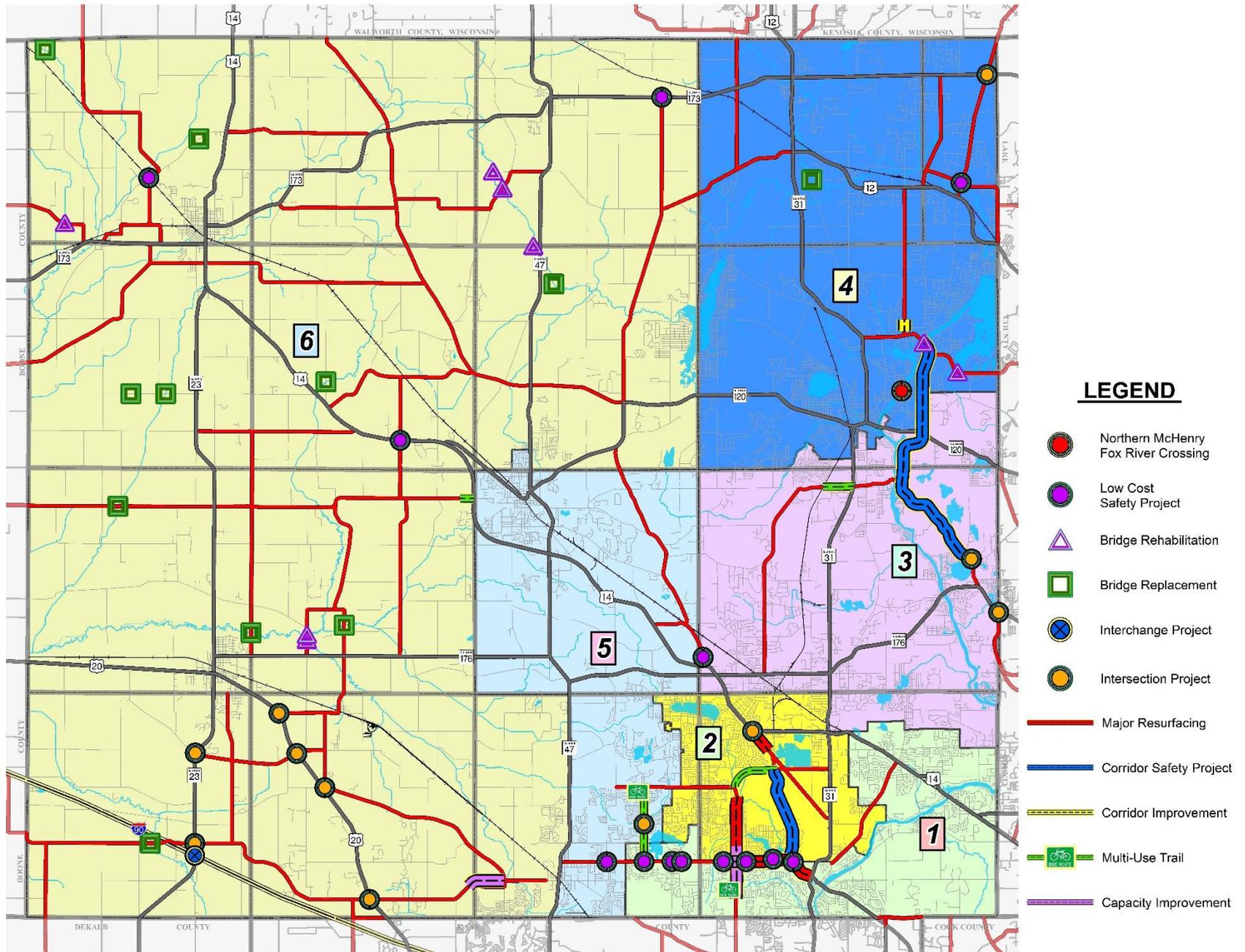
- Providing funding to maintain 2,463 miles of highways and replace or rehabilitate 707 bridges.
- Provide funding to maintain 743 miles and 274 bridges on the locally maintained system.
- Provide funding for railroad crossing safety improvements throughout the state.
- Provide funding for traffic and safety improvements that further enhance highway safety as part of IDOT's regular highway improvement program by targeting specific fatal and severe crash locations.
- Enhance public right-of-way accessibility as part of IDOT's regular highway improvement program by removing barriers to accessibility as identified in IDOT's Americans with Disabilities Act (ADA) Transition Plan.



FY 2018-2023 Highway Improvement Program
District 1
State Highways
MCHENRY COUNTY

Route/Street	Location	Improvements	Objectives	Est. Cost	City	MYP Years	
						Past	Current
US 12 MAIN ST	KENOSHA ST TO TRYON GROVE RD Miles = 2.00 System Maintenance	RESURFACING ADA IMPROVEMENTS RR FLAGGER	SAFETY PRESERVE SYSTEM TRANSPORTATION OPS	\$890,000	RICHMOND	2	2019-2023
Needs Category	Miles	Roughness(RI)	Rutting	AADT	Truck Pct	NHS	
BACKLOG	2.00	ACCEPTABLE	0.18	10,700	7.2	Y	
US 12	DITCHES 0.7 MI & 2.1 MI E OF ILL 31, 5.1 & 8.3 MI S OF STATE LINE & N OF OAK ST Bridge Maintenance	CULVERT REPAIR CULVERT REHABILITATION DRAINAGE	SAFETY PRESERVE SYSTEM	\$600,000	RICHMOND	3	2018
US 14	DRAINAGE DITCH 3.6 MI S OF STATE LINE Bridge Maintenance	CULVERT REPLACEMENT	SAFETY PRESERVE SYSTEM	\$250,000		2	2018
US 14	DITCH 0.9 MI & 2.4 MI S OF ILL 23 & 3.1 MI E OF ILL 23 Bridge Maintenance	CULVERT REPLACEMENT	SAFETY PRESERVE SYSTEM	\$750,000		2	2018
US 14	BUNKER HILL RD TO ILL 47 Miles = 8.57 System Maintenance	RESURFACING	SAFETY PRESERVE SYSTEM	\$2,995,000	WOODSTOCK	1	2019-2023
Needs Category	Miles	Roughness(RI)	Rutting	AADT	Truck Pct	NHS	
ACCRUING	8.57	ACCEPTABLE	0.12	9,385	7.8	Y	
US 14	ILL 47 (EASTWOOD DR) TO LAKE SHORE DR Miles = 1.63 System Maintenance	RESURFACING	SAFETY PRESERVE SYSTEM	\$1,110,000	WOODSTOCK	2	2019-2023
Needs Category	Miles	Roughness(RI)	Rutting	AADT	Truck Pct	NHS	
ACCRUING	1.63	ACCEPTABLE	0.14	15,888	10.5	Y	
US 14 NORTHWEST HWY	PINGREE RD TO LAKE CO LINE Miles = 5.79 System Maintenance	RESURFACING ADA IMPROVEMENTS	SAFETY PRESERVE SYSTEM TRANSPORTATION OPS	\$4,100,000	CRYSTAL LAKE CARY FOX RIVER GROVE	2	2019-2023
Needs Category	Miles	Roughness(RI)	Rutting	AADT	Truck Pct	NHS	
ACCRUING	5.79	ACCEPTABLE	0.15	26,944	5.8	Y	

Figure 10: McHenry County 2018-2022 Programmed Projects - Locations Map



2. County Highway Maintenance Program

The McHenry County Division of Transportation is dedicated to maintaining the County Highways. In order to undertake maintenance activities more efficiently, the Division of Transportation has specialized working groups. The County has a sign shop to make and place needed signs and roadway striping. A vegetation section is dedicated to maintaining vegetation within the highway right-of-way. A mechanic shop maintains the vehicles, specialized equipment, and tools used by the Division of Transportation. The road crew oversees routine and emergency maintenance for roadway, shoulders, and drainage structures on County Highways. Each year, the County purchases materials to replace drainage culverts, power lights and signals, paint traffic markings, replace and add new signage, and remove snow and ice from the County's Highways. Approximately \$15.5 million in funding will be required over the next five years for these programs (See Table 6).

Table 6: Maintenance Program Summary

County Highway Maintenance Program	2018-2022 Programmed Costs
Bridge Preventative Maintenance	\$530,812
Culvert Materials	\$132,703
Guardrail Maintenance Program	\$502,000
Highway Lighting Systems-Power	\$477,731
Miscellaneous Culvert Projects	\$875,840
Pavement Marking - Thermoplastic	\$2,123,248
Pavement Marking - Paint	\$1,301,010
ADA/PROWAG Maintenance Program	\$1,000,000
Remote Salt Storage and Maintenance Facility	\$500,000
Sign Materials	\$504,271
Snow Fence Program	\$240,800
Snow Removal Materials	\$3,642,828
Striping Paint and Glass Beads	\$1,059,169
Traffic Signal Re-Lamping	\$330,000
Traffic Signal/Lighting Maintenance	\$1,857,842
Tree Planting Program	\$206,080
Tree Trimming and Removal Program	\$162,429
TOTAL	\$15,446,764
Annual Average	\$3,089,353



Bridge Preventative Maintenance

<i>Title</i>	Bridge Preventative Maintenance										
<i>Worktype</i>	Bridge Rehabilitation					<i>Municipality</i>	Countywide				
<i>Category</i>	Preservation					<i>Board District</i>	All Board Districts				
<i>Lead Agency</i>	McHenry County DOT					<i>Total Cost</i>	\$530,812				
<i>Project ID</i>	N/A					<i>Website</i>	N/A				
<i>Limits</i>	Various bridges throughout McHenry County										
<i>Description</i>	This funding is to enable the MCDOT to protect its bridges from early deterioration by applying protective coating materials on concrete decks and wearing surfaces, cleaning and painting of steel bridge beams, cleaning and/or replacement of bridge bearings and repairing damaged bridge joints or damage to bridges that is in need of repair as a result of routine inspections. These items ensure that the useful life of each bridge the County maintains can be as long as possible. The funding is sufficient for 2 to 4 bridges to receive maintenance each year dependent on the activities performed. The specific bridges to be worked on are evaluated each year based on routine bridge inspections. There are currently 54 bridges under County jurisdiction.										
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Various Locations	MAINT	County Option MFT	\$100,000	\$102,000	\$104,040	\$106,121	\$108,243	\$110,408	\$112,616	\$530,812	
		<i>Total Maintenance</i>	\$100,000	\$102,000	\$104,040	\$106,121	\$108,243	\$110,408	\$112,616	\$530,812	
		<i>Total Programmed</i>		\$102,000	\$104,040	\$106,121	\$108,243	\$110,408		\$530,812	

Total County Cost: \$530,812



Culvert Materials

<i>Title</i>	Purchase of Culvert Materials										
<i>Worktype</i>	Culverts					<i>Municipality</i>	Countywide				
<i>Category</i>	Preservation					<i>Board District</i>	All Board Districts				
<i>Lead Agency</i>	McHenry County DOT					<i>Total Cost</i>	\$132,703				
<i>Project ID</i>	N/A					<i>Website</i>	N/A				
<i>Limits</i>	Various culverts throughout McHenry County										
<i>Description</i>	This funding is for the annual purchase of roadway culverts. Culverts allow for water to flow under the roadway.										

Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County Option MFT	\$25,000	\$25,500	\$26,010	\$26,530	\$27,061	\$27,602	\$28,154	\$132,703
		Total Maintenance	\$25,000	\$25,500	\$26,010	\$26,530	\$27,061	\$27,602	\$28,154	\$132,703
		Total Programmed		\$25,500	\$26,010	\$26,530	\$27,061	\$27,602		\$132,703

Total County Costs: \$132,703



Guardrail Maintenance Program

<i>Title</i>	Guardrail Maintenance Program										
<i>Worktype</i>	Guardrail										<i>Municipality</i> Countywide
<i>Category</i>	Preservation										<i>Board District</i> All Board Districts
<i>Lead Agency</i>	McHenry County DOT										<i>Total Cost</i> \$502,000
<i>Project ID</i>	N/A										<i>Website</i> N/A
<i>Limits</i>	Various locations throughout McHenry County										
<i>Description</i>	This funding is to repair damaged guardrail and upgrade portions of guardrail to meet current standards. Some costs for damaged guardrail are recouped from drivers responsible for the damage if a police report is filed. The County has a total of approximately 14 miles of guardrail in its system.										
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Various Locations	MAINT	County Option MFT	\$100,000	\$102,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$502,000	
		Total Maintenance	\$100,000	\$102,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$502,000	
		Total Programmed		\$102,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$502,000	

Total County Cost: \$502,000



Highway Lighting Systems-Power

<i>Title</i>	Highway Lighting Systems									
<i>Worktype</i>	Signals									
<i>Category</i>	Preservation									
<i>Lead Agency</i>	McHenry County DOT									
<i>Project ID</i>	N/A									
<i>Limits</i>	Various locations throughout McHenry County									
<i>Description</i>	This funding is for the electricity required to light all county roadway lighting and traffic signals. Over the last eight years, the number of street lights on the County roadway system has more than doubled, from 250 street lights in 2009 to 559 in 2017. During that same time period, the number of traffic signals on the County system has increased from 32 to 42 signals, or by over 30%.									
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County Option MFT	\$90,000	\$91,800	\$93,636	\$95,509	\$97,419	\$99,367	\$101,355	\$477,731
		Total Maintenance	\$90,000	\$91,800	\$93,636	\$95,509	\$97,419	\$99,367	\$101,355	\$477,731
		Total Programmed		\$91,800	\$93,636	\$95,509	\$97,419	\$99,367		\$477,731

Total County Cost: \$477,731



Miscellaneous Culvert Projects

<i>Title</i>	Miscellaneous Culvert Projects									
<i>Worktype</i>	Culverts				<i>Municipality</i>	Various Municipalities				
<i>Category</i>	Preservation				<i>Board District</i>	All Board Districts				
<i>Lead Agency</i>	McHenry County DOT				<i>Total Cost</i>	\$875,840				
<i>Project ID</i>	N/A				<i>Website</i>	N/A				
<i>Limits</i>	Various locations throughout McHenry County									
<i>Description</i>	This funding is for the rehabilitation of roadway culverts under various County Highways that Division of Transportation staff are unable to repair due to the scope of the projects.									

Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County Option MFT	\$165,000	\$168,300	\$171,666	\$175,099	\$178,601	\$182,173	\$185,817	\$875,840
		Total Maintenance	\$165,000	\$168,300	\$171,666	\$175,099	\$178,601	\$182,173	\$185,817	\$875,840
		Total Programmed		\$168,300	\$171,666	\$175,099	\$178,601	\$182,173		\$875,840

Total County Costs: \$875,840



Pavement Marking - Thermoplastic

<i>Title</i>	Pavement Marking - Thermoplastic				<i>Municipality</i>	Various Municipalities					
<i>Worktype</i>	Maintenance				<i>Board District</i>	All Board Districts					
<i>Category</i>	Preservation				<i>Total Cost</i>	\$2,123,248					
<i>Lead Agency</i>	McHenry County DOT				<i>Website</i>	N/A					
<i>Project ID</i>	N/A										
<i>Limits</i>	Various locations throughout McHenry County										
<i>Description</i>	This funding is for the purchase of thermoplastic pavement markings.										

Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County MFT	\$400,000	\$408,000	\$416,160	\$424,483	\$432,973	\$441,632	\$450,465	\$2,123,248
		Total Maintenance	\$400,000	\$408,000	\$416,160	\$424,483	\$432,973	\$441,632	\$450,465	\$2,123,248
		Total Programmed	\$408,000	\$416,160	\$424,483	\$432,973	\$441,632	\$441,632		\$2,123,248

Total County Cost: \$2,123,248



Pavement Marking – Paint

<i>Title</i>	Pavement Marking - Paint									
<i>Worktype</i>	Maintenance					<i>Municipality</i>	Various Municipalities			
<i>Category</i>	Preservation					<i>Board District</i>	All Board Districts			
<i>Lead Agency</i>	McHenry County DOT					<i>Total Cost</i>	\$1,301,010			
<i>Project ID</i>	N/A					<i>Website</i>	N/A			
<i>Limits</i>	Various locations throughout McHenry County									
<i>Description</i>	This funding is for the purchase of paint.									
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County Option MFT	\$0	\$250,000	\$255,000	\$260,100	\$265,302	\$270,608	\$276,020	\$1,301,010
		<i>Total Maintenance</i>	\$0	\$250,000	\$255,000	\$260,100	\$265,302	\$270,608	\$276,020	\$1,301,010
		Total Programmed		\$250,000	\$255,000	\$260,100	\$265,302	\$270,608		\$1,301,010

Total County Cost: \$1,301,010

Americans with Disabilities Act (ADA)/PROWAG Maintenance Program

<i>Title</i>	Americans with Disabilities Act (ADA)/Public Right of Way Accessibility Guidelines (PROWAG) Maintenance Program									
<i>Worktype</i>	ADA	<i>Municipality</i>	Various Municipalities							
<i>Category</i>	Modernization	<i>Board District</i>	All Board Districts							
<i>Lead Agency</i>	McHenry County DOT	<i>Total Cost</i>	\$1,000,000							
<i>Project ID</i>	N/A	<i>Website</i>	N/A							
<i>Limits</i>	Various locations throughout McHenry County									
<i>Description</i>	This funding is for updating the accessibility of the County's roadway system in accordance of the American with Disabilities Act (ADA). The County will hire a consultant in 2018 to finalize the ADA Transition Plan and work will start on construction in 2018. The County also ensures that its roadways are accessible to people with disabilities during each resurfacing and construction project.									
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
ADA Transition Plan	ENGR	County MFT	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
		<i>Total Engineering</i>	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$100,000
Various Locations	MAINT	County MFT	\$0	\$100,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$900,000
		<i>Total Maintenance</i>	\$0	\$100,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$900,000
		Total Programmed		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000

Total County Cost: \$1,000,000

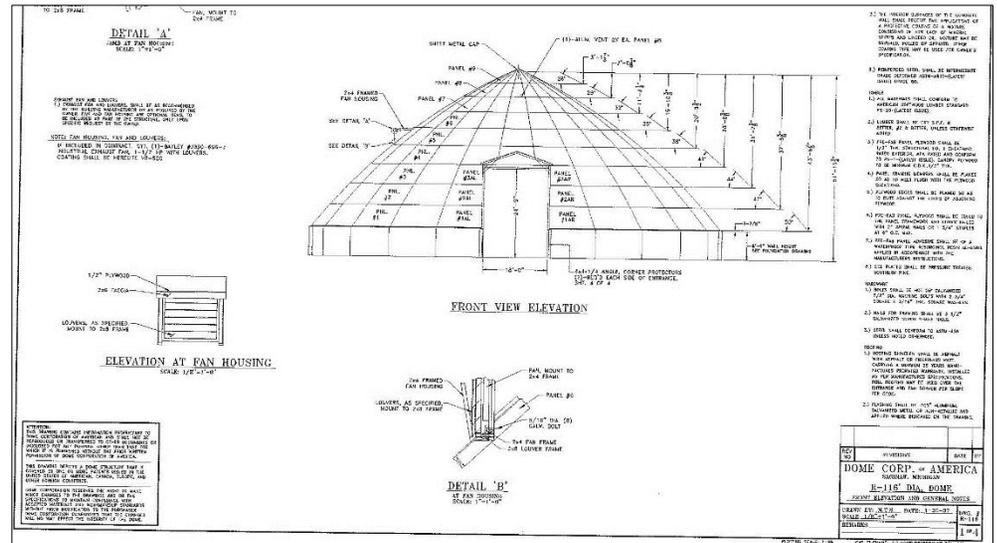


Remote Salt Storage and Maintenance Facility

Title	Remote Salt Storage and Maintenance Facility		
Worktype	Facility	Municipality	TBD
Category	Modernization	Board District	TBD
Lead Agency	McHenry County DOT	Total Cost	\$500,000
Project ID	N/A	Website	N/A
Limits	Location TBD		
Description	This funding is for the land acquisition, design and construction of a remote salt storage facility for maintenance operations. The County hopes to find an area to provide additional salt storage capability in order to protect itself and possibly other agencies from dramatic swings in the price paid for salt. This would allow for the ability to take delivery of a year's worth of salt, with the added benefit of having a supply of salt available to draw from in the event that suppliers are unable to deliver salt to the County due to weather or supply chain limitations.		

Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Location TBD	ENGR	County Option MFT	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
		<i>Total Engineering</i>	\$0	\$0	\$0	\$0	\$500,000	\$0	\$0	\$500,000
	CONST	County Option MFT	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000,000	\$0
		<i>Total Construction</i>	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000,000	\$0
		Total Programmed		\$0	\$0	\$0	\$500,000	\$0		\$500,000

Total County Cost: \$500,000



Sign Materials

<i>Title</i>	Sign Materials									
<i>Worktype</i>	Maintenance				<i>Municipality</i>	Various Municipalities				
<i>Category</i>	Preservation				<i>Board District</i>	All Board Districts				
<i>Lead Agency</i>	McHenry County DOT				<i>Total Cost</i>	\$504,271				
<i>Project ID</i>	N/A				<i>Website</i>	N/A				
<i>Limits</i>	Various locations throughout McHenry County									
<i>Description</i>	This funding is for the annual purchase of sign materials. These materials include sign blanks, reflective materials, and posts. The Division of Transportation has the capability to manufacture and install many of the County's signs in-house. Upgrades to the County's signage over the last ten years has greatly reduced future ongoing maintenance needs.									
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County Option MFT	\$95,000	\$96,900	\$98,838	\$100,815	\$102,831	\$104,888	\$106,985	\$504,271
		<i>Total Maintenance</i>	\$95,000	\$96,900	\$98,838	\$100,815	\$102,831	\$104,888	\$106,985	\$504,271
		Total Programmed		\$96,900	\$98,838	\$100,815	\$102,831	\$104,888		\$504,271

Total County Cost: \$504,271



Snow Fence Program

<i>Title</i>	Snow Fence Program					<i>Municipality</i>	Various Municipalities				
<i>Worktype</i>	Maintenance					<i>Board District</i>	All Board Districts				
<i>Category</i>	Preservation					<i>Total Cost</i>	\$240,800				
<i>Lead Agency</i>	McHenry County DOT					<i>Website</i>	N/A				
<i>Project ID</i>	N/A										
<i>Limits</i>	Various locations throughout McHenry County										
<i>Description</i>	This funding is used to contract the use of vegetation materials on private property to minimize drifting snow in key areas of the County. Minimizing drifting snow reduces the amount of anti-icing compound used on our roadways, and it saves the County money on labor costs.										
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Various Locations	MAINT	County Option MFT	\$40,000	\$40,800	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$240,800	
		<i>Total Maintenance</i>	\$40,000	\$40,800	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$240,800	
		Total Programmed		\$40,800	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$240,800	

Total County Cost: \$240,800



Snow and Ice Control Materials

<i>Title</i>	Snow and Ice Control Materials										
<i>Worktype</i>	Maintenance					<i>Municipality</i>	Various Municipalities				
<i>Category</i>	Preservation					<i>Board District</i>	All Board Districts				
<i>Lead Agency</i>	McHenry County DOT					<i>Total Cost</i>	\$3,642,828				
<i>Project ID</i>	N/A					<i>Website</i>	N/A				
<i>Limits</i>	All County Roadways										
<i>Description</i>	This funding is for the annual purchase of snow and ice control materials. During the most recent winter season, \$570,640 was spent on salt and another \$103,391 was spent on other snow removal materials. Over the last ten years, the Division of Transportation has average \$902,260 per year in snow and ice control materials purchases. The Division of Transportation currently has the ability to purchase salt for \$73.47 per ton.										
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Various Locations	MAINT	County Option MFT	\$674,031	\$700,000	\$714,000	\$728,280	\$742,846	\$757,703	\$772,857	\$3,642,828	
		<i>Total Maintenance</i>	\$674,031	\$700,000	\$714,000	\$728,280	\$742,846	\$757,703	\$772,857	\$3,642,828	
		Total Programmed		\$700,000	\$714,000	\$728,280	\$742,846	\$757,703		\$3,642,828	

Total County Cost: \$3,642,828



Striping Paint and Glass Beads

Title	Striping Paint and Glass Beads										
Worktype	Maintenance					Municipality	Various Municipalities				
Category	Preservation					Board District	All Board Districts				
Lead Agency	McHenry County DOT					Total Cost	\$1,059,169				
Project ID	N/A					Website	N/A				
Limits	All County Roadways										
Description	This funding is for the annual purchase of pavement marking paint and glass beads for work performed by McHenry County Division of Transportation staff. In 2017, \$169,898 will be spent on pavement marking paint and \$29,640 will be spent on glass beads. In 2016, \$171,800 was spent on paint and \$29,000 was spent on beads. The MCDOT annually paints and places glass beads on approximately 159 miles of County Highways and 115 centerline miles of township highways for the following townships (Chemung, Greenwood, Riley, Dorr, Hartland, Seneca, Grafton, and Marengo).										
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Various Locations	MAINT	County MFT	\$199,538	\$203,528	\$207,599	\$211,751	\$215,986	\$220,306	\$224,712	\$1,059,169	
		Total Maintenance	\$199,538	\$203,528	\$207,599	\$211,751	\$215,986	\$220,306	\$224,712	\$1,059,169	
		Total Programmed		\$203,528	\$207,599	\$211,751	\$215,986	\$220,306		\$1,059,169	

Total County Costs: \$1,059,169



Traffic Signal Re-Lamping

<i>Title</i>	Traffic Signal Re-Lamping									
<i>Worktype</i>	Signals						<i>Municipality</i>	Various Municipalities		
<i>Category</i>	Modernization						<i>Board District</i>	All Board Districts		
<i>Lead Agency</i>	McHenry County DOT						<i>Total Cost</i>	\$330,000		
<i>Project ID</i>	N/A						<i>Website</i>	N/A		
<i>Limits</i>	All County Roadways									
<i>Description</i>	This funding is for replacing bulbs on County Highway traffic lights with LED bulbs.									

Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County Option MFT	\$0	\$105,000	\$0	\$110,000	\$0	\$115,000	\$0	\$330,000
		Total Maintenance	\$0	\$105,000	\$0	\$110,000	\$0	\$115,000	\$0	\$330,000
		Total Programmed		\$105,000	\$0	\$110,000	\$0	\$115,000		\$330,000

Total County Cost: \$330,000

Traffic Signal/Lighting Maintenance

<i>Title</i>	Traffic Signal/Lighting Maintenance									
<i>Worktype</i>	Signals						<i>Municipality</i>	Various Municipalities		
<i>Category</i>	Modernization						<i>Board District</i>	All Board Districts		
<i>Lead Agency</i>	McHenry County DOT						<i>Total Cost</i>	\$1,857,842		
<i>Project ID</i>	N/A						<i>Website</i>	N/A		
<i>Limits</i>	Various County Roadways									
<i>Description</i>	This funding is for a 24-hour repair and routine maintenance contract to maintain traffic signals and lighting systems on County Roadways. MCDOT staff maintains 42 traffic signals, 23 roadway lighting systems and 41 roadway flasher systems throughout the County under its jurisdiction. Due to the number of systems and the required 24-hour response time needed for adequate service, the County contracts with a private firm to maintain these systems on a daily, on-call, as-needed basis.									

Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	MAINT	County Option MFT	\$350,000	\$357,000	\$364,140	\$371,423	\$378,851	\$386,428	\$394,157	\$1,857,842
		Total Maintenance	\$350,000	\$357,000	\$364,140	\$371,423	\$378,851	\$386,428	\$394,157	\$1,857,842
		Total Programmed		\$357,000	\$364,140	\$371,423	\$378,851	\$386,428		\$1,857,842

Total County Cost: \$1,857,842

Tree Planting Program

<i>Title</i>	Tree Planting Program											
<i>Worktype</i>	Maintenance										<i>Municipality</i>	Various Municipalities
<i>Category</i>	Preservation										<i>Board District</i>	All Board Districts
<i>Lead Agency</i>	McHenry County DOT										<i>Total Cost</i>	\$206,080
<i>Project ID</i>	N/A										<i>Website</i>	N/A
<i>Limits</i>	Various County Roadways											
<i>Description</i>	This funding is for the purchase and planting of trees along County roadways. In urban environments street trees reduce stormwater runoff and harmful air pollutants, lower the surrounding air temperature, and provide shade and safety for pedestrians. In addition, trees have been shown to add value to adjacent homes and businesses, and help to reduce traffic speeds to more appropriate levels.											
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total		
Various Locations	MAINT	County Option MFT	\$0	\$0	\$50,000	\$51,000	\$52,020	\$53,060	\$54,122	\$206,080		
		<i>Total Maintenance</i>	\$0	\$0	\$50,000	\$51,000	\$52,020	\$53,060	\$54,122	\$206,080		
		Total Programmed		\$0	\$50,000	\$51,000	\$52,020	\$53,060		\$206,080		

Total County Cost: \$206,080

Tree Trimming and Removal Program

<i>Title</i>	Tree Trimming and Removal Program												
<i>Worktype</i>	Maintenance											<i>Municipality</i>	Various Municipalities
<i>Category</i>	Preservation											<i>Board District</i>	All Board Districts
<i>Lead Agency</i>	McHenry County DOT											<i>Total Cost</i>	\$162,429
<i>Project ID</i>	N/A											<i>Website</i>	N/A
<i>Limits</i>	Various County Roadways												
<i>Description</i>	This funding is for a contract for large and emergency tree trimming and removal.												
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total			
Various Locations	MAINT	County Option MFT	\$30,600	\$31,212	\$31,836	\$32,473	\$33,122	\$33,785	\$34,461	\$162,429			
		<i>Total Maintenance</i>	\$30,600	\$31,212	\$31,836	\$32,473	\$33,122	\$33,785	\$34,461	\$162,429			
		Total Programmed		\$31,212	\$31,836	\$32,473	\$33,122	\$33,785		\$162,429			

Total County Cost: \$162,429



3. County Highway Pavement Preservation Program

The management of the County’s pavement includes constant monitoring and improvements such as resurfacing, applying rejuvenator, crack sealing and micro-surfacing to extend the useable life of the County Highways. The premise is to select the right project at the right time with the right treatment. Despite preventative maintenance, a roadway will eventually need to be completely reconstructed. Such improvements are necessary to maintain the investment the public has made in the County Highway System. Neglecting pavement management needs can result in safety hazards, serious deterioration of the infrastructure, damage to vehicles traveling on the driving surface, and increased future improvement costs. Like general maintenance activities, these pavement preservation activities are considered a first priority for funding. Between 2018 and 2022, \$27.7 million in pavement preservation projects are programmed (See Table 7). The 2017 pavement preservation program is shown as Figure 11 on the following page.

County Highway Pavement Management Program	2018-2022 Programmed Costs	
Condition Evaluation/GIS Pavement Management Updates	\$	390,000
County Pavement Preservation	\$	23,052,300
Materials Testing	\$	660,000
Randall Road and Algonquin Road Resurfacing	\$	2,500,000
Virginia Road Complete Street Resurfacing Project	\$	1,100,000
TOTAL	\$	27,702,300
Annual Average	\$	5,540,460

Table 7: 2018-2022 Pavement Preservation Program Summary





Location Map

-  Crack Seal
-  Mill & Resurface (4 inch)
-  Mill & Resurface (2 inch)

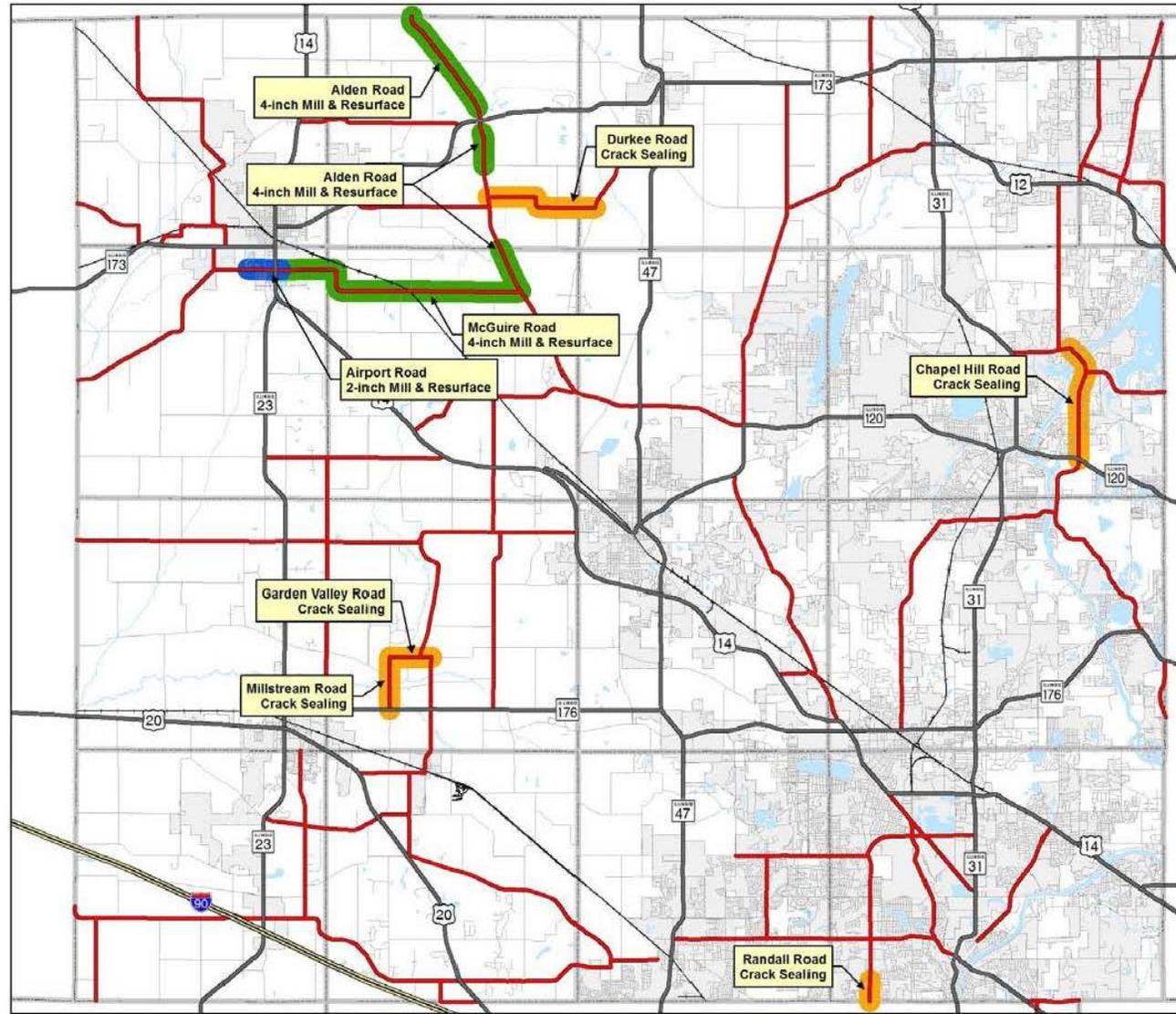


Figure 11: 2017 Pavement Preservation Program

Condition Evaluation/GIS Pavement Management Updates

Title	Condition Evaluation/GIS Pavement Management Updates										
Worktype	Pavement Preservation					Municipality	Various Municipalities				
Category	Preservation					Board District	All Board Districts				
Lead Agency	McHenry County DOT					Total Cost	\$390,000				
Project ID	N/A					Website	N/A				
Limits	Various County Roadways										
Description	This funding is for the evaluation of pavement conditions of County roadways and data collection needed for the GIS Pavement Management updates. This provides data to determine which roads need what pavement management activity and when.										

Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	ENGR	RTA Sales Tax	\$0	\$125,000	\$0	\$130,000	\$0	\$135,000	\$0	\$390,000
		Total Engineering	\$0	\$125,000	\$0	\$130,000	\$0	\$135,000	\$0	\$390,000
		Total Programmed		\$125,000	\$0	\$130,000	\$0	\$135,000		\$390,000

Total County Cost: \$390,000



MCDOT Pavement

Segment ID: Randall Road 1

Features

- Pavement Classification: AC Asphalt Concrete
- Functional Classification: Other Principal Arterial
- Centerline Length: 2648 ft
- Average Width: 64 ft
- Pavement Area: 169472 ft²
- Today's PCI (Predicted): 6.51

Location

- Route: Randall Road
- Route Number: V 29
- Route Direction: South to North
- Travel Lanes: 4

Attachments

Cartegraph flexTECHNOLOGY

Details

Pavement History | Inspection Activity | Traffic Counts | Suggested Maintenance

Constructed: 09/01/1996 Resurfaced: 09/01/2008

When Started	When Ended	Activity	Milling Depth	Surface Course	Surface Thickness	Bin Cot
09/01/1982	09/01/1982	AC - Surface Overlay < 2"	0 in	Class I	1 in	Class
09/01/1996	09/01/1996	AC - Reconstruction Full Depth	0 in	Class I	1.5 in	Class
09/01/2008	09/01/2008	AC - Milling & Surface Overlay > 2"				

County Pavement Preservation

Title	County Pavement Preservation & Resurfacing		Municipality	Various Municipalities						
Worktype	Pavement Preservation		Board District	All Board Districts						
Category	Preservation		Total Cost	\$23,052,300						
Lead Agency	McHenry County DOT		Website	mchenrycountygis.org/ConstructionProjects/#/MapView						
Project ID	N/A									
Limits	Various County Roadways									
Description	The right road, with the right treatment, at the right time. This funding is allocated each year to preserve and resurface approximately 5% of County Highway system lane miles. Pavement preservation techniques include rejuvenator application (which slows down the oxidation process and reduces pavement surface deterioration), crack sealing (which protects the pavement structure by limiting moisture intrusion into the roadway base) and thin lift treatments (which further extend the life the riding surface). Each of these techniques are implemented at different times over the life of a resurfaced pavement with the goal of preserving pavement integrity and the useful life of the highway.									
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Various Locations	CONST	County MFT	\$2,000,000	\$2,000,000	\$1,500,000	\$1,600,000	\$1,600,000	\$1,600,000	\$2,000,000	\$8,300,000
Various Locations	CONST	RTA Sales Tax	\$2,365,000	\$2,452,300	\$3,000,000	\$3,000,000	\$3,100,000	\$3,200,000	\$2,900,000	\$14,752,300
		Total Construction	\$4,365,000	\$4,452,300	\$4,500,000	\$4,600,000	\$4,700,000	\$4,800,000	\$4,900,000	\$23,052,300
		Total Programmed		\$4,452,300	\$4,500,000	\$4,600,000	\$4,700,000	\$4,800,000		\$23,052,300

Total County Cost: \$23,052,300



Figure 12: 2018/2019 Pavement Preservation Program

Treatment	2018	2019
Crack Seal	<p>37 Total Lane Miles</p> <p>Bay Road - Chapel Hill Road to Lake County Line Crystal Lake Road - Crystal Springs Road to Bull Valley Road Marengo Road - US20 to Main Street Roberts Road - Lake County Line to IL176 Walkup Road - IL176 to Crystal Springs Road</p>	<p>33 Total Lane Miles</p> <p>Altenburg Road - IL173 to Alden Road Flat Iron Road - Boone County Line to IL173 Franklinville Road - Garden Valley Road to Collins Road Hampshire Road - Getty Road to Harmony Road Johnsbury Road - IL31 to Chapel Hill Road Pyott Road - Oak Street to Airport Road River Road - IL176 to Lily Lake Road River Road - Charles Miller Road to Chapel Hill Road Extension</p>
Mill & Resurface (2")	<p>9 Total Lane Miles</p> <p>Hunter Road - Boone County Line to White Oaks Road Ridgefield Road - US14 to US14 White Oaks Road - IL173 to Hunter Road</p>	<p>No Projects Identified</p>
Thin Lift Overlay (3/4")	<p>No Projects Identified</p>	<p>17 Total Lane Miles</p> <p>Maple Street - Harmony Road to Frances Street Tryon Grove Road - Greenwood Road to US12</p>
Mill & Resurface (4")	<p>19 Total Lane Miles</p> <p>Alden Road - Nelson Road to McCauley Road Country Club Road - Ridgefield Road to Fleming Road Lawrence Road - IL173 to Ramer Road Oak Grove Road - US14 to IL173</p>	<p>15 Total Lane Miles</p> <p>Chapel Hill Road - Bay Road to Linden Avenue Deerpark Road - IL176 to River Road Harmony Road - US20 to Main Street Main Street (Huntley) - Harmony Road to Lois Lane</p>

Materials Testing

<i>Title</i>	Materials Testing										
<i>Worktype</i>	Pavement Preservation						<i>Municipality</i>	Various Municipalities			
<i>Category</i>	Preservation						<i>Board District</i>	All Board Districts			
<i>Lead Agency</i>	McHenry County DOT						<i>Total Cost</i>	\$660,000			
<i>Project ID</i>	N/A						<i>Website</i>	N/A			
<i>Limits</i>	Various County Roadways										
<i>Description</i>	This funding is for the required engineering services to test pavement materials in accordance with IDOT requirements and investigate highway subsurface for all County paving and construction projects.										
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Various Locations	CONST	RTA Sales Tax	\$104,000	\$132,000	\$132,000	\$132,000	\$132,000	\$132,000	\$132,000	\$660,000	
<i>Total Construction</i>			\$104,000	\$132,000	\$132,000	\$132,000	\$132,000	\$132,000	\$132,000	\$660,000	
<i>Total Programmed</i>				\$132,000	\$132,000	\$132,000	\$132,000	\$132,000		\$660,000	

Total County Cost: \$660,000



Randall Road and Algonquin Road Resurfacing

<i>Title</i>	Randall Road and Algonquin Road Resurfacing Projects									
<i>Worktype</i>	Pavement Preservation				<i>Municipality</i>	Crystal Lake, Lake in the Hills and Algonquin				
<i>Category</i>	Preservation				<i>Board District</i>	District 1, District 2				
<i>Lead Agency</i>	McHenry County DOT				<i>Total Cost</i>	\$2,500,000				
<i>Project ID</i>	N/A				<i>Website</i>	N/A				
<i>Limits</i>	Randall Road from Alexandra Boulevard to Acorn Lane. Algonquin Road from Crystal Lake Road to Illinois Route 31 (3.2 Total Miles)									
<i>Description</i>	This resurfacing is outside the project limits of the Randall Road project which is described in detail on page 74. This resurfacing project will address the need to preserve the pavement of both Randall and Algonquin Roads and is anticipated to be constructed immediately following the Randall Road widening project. This funding is for resurfacing, barrier warrant upgrades, curb repairs, ADA improvements, and the addition of bicycle and pedestrian accommodations.									
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Algonquin Road	CONST	County Option MFT	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500,000	\$0
		<i>Total Construction</i>	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500,000	\$0
Randall Road	CONST	RTA Sales Tax	\$0	\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
		<i>Total Construction</i>	\$0	\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
		Total Programmed		\$0	\$0	\$2,500,000	\$0	\$0		\$2,500,000

Total County Cost: \$2,500,000



Virginia Road Complete Street Resurfacing Project

Title	Virginia Road Complete Street Resurfacing Project		
Worktype	Pavement Preservation	Municipality	City of Crystal Lake
Category	Preservation	Board District	District 2
Lead Agency	McHenry County DOT	Total Cost	\$1,100,000
Project ID	N/A	Website	N/A
Limits	Virginia Road, from U.S. 14 to Main Street		
Description	This funding is for the resurfacing and addition of bicycle and pedestrian accommodations to Virginia Road, from U.S. 14 to Main Street in Crystal Lake.		

Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Virginia Road	ENGR	County Option MFT	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
		<i>Total Engineering</i>	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Virginia Road	CONST	RTA Sales Tax	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		<i>Total Construction</i>	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
		Total Programmed		\$0	\$100,000	\$0	\$1,000,000	\$0		\$1,100,000

Total County Cost: \$1,100,000



4. County and Township Bridge Program

In conjunction with biennial bridge inspections, the Division of Transportation applies a pre-emptive approach to identify bridge structures, drainage ways, and storm sewer systems requiring reconstruction and/or having the ability to be rehabilitated before further deterioration can occur. This approach allows for more cost-effective measures to protect the County’s investment in bridge structures. Between 2018 and 2022, \$30.6 million in bridge work is programmed including funding to replace, rehabilitate, and repair 20 bridges. Of that amount, \$8.9 million will come from County funding sources.

In general, bridge replacement projects are eligible for federal bridge funds, which are now called Surface Transportation Program – Bridge (STP-Bridge), when the structure sufficiency rating is under 50 on a 100 scale. Funding is available for rehabilitation if the structure has a sufficiency rating under 80. The federal funds will pay for up to 80% of the project cost and requires a minimum 20% local match. Township bridge work is eligible for state Township Bridge Program (TBP) funds, which is currently \$162,000 per year. The County funds the local share of engineering and construction work for bridges with the County Bridge fund. Since many bridges were built between 1930 and 1970 across the region, there is increasing competition for limited federal STP-Bridge and TBP funds to rehabilitate or replace deteriorating bridge infrastructure to prevent their potential closure.



County and Township Bridge Program Summary	2018-2022 Programmed Costs
Allendale Road Township Bridge (SN056-3126)	\$2,400,000
Bay Road Bridge (SN056-3106) (TIP # 11-15-0005)	\$1,045,625
Bridge Inspections	\$718,251
Bunker Hill Road Township Bridge (SN056-3107)	\$1,200,000
Bunker Hill Road Township Bridge (SN056-3070)	\$100,000
Chapel Hill Road Bridge (SN056-3134) (TIP # 11-15-0006)	\$800,000
Deerpass Road Bridges (SN056-3029/3030) (TIP# 11-10-0003)	\$5,587,525
Harmony Road Bridge (SN056-3138)	\$850,000
Hunter Road Bridge (SN056-3034)	\$2,350,000
Johnson Road Bridge (SN056-3128)	\$1,040,000
Kishwaukee Valley Road Culvert (SN056-3202)	\$250,000
Millstream Road Bridges (SN056-3022/3023)	\$2,435,000
Oak Grove Road Township Bridge (SN056-3035) (TIP#11-14-0006)	\$800,000
O’Brien Road Township Bridge (SN056-3118) (TIP#11-14-0005)	\$1,550,000
Paulson Road Township Bridge (SN056-3071)	\$1,805,000
Thayer Road Township Bridge (SN056-3115)	\$1,320,000
Township Bridge Rehabilitation Assistance Program	\$810,000
Union Road Bridge (SN056-3026) (TIP#11-14-0004)	\$1,710,000
West Solon Road Township Bridge (SN056-3142)	\$1,805,000
White Oaks Road Township Bridge (SN056-3043)	\$2,025,000
TOTAL	\$30,601,401
Annual Average	\$6,120,280

**of that amount, the County is responsible for \$8.9 million*

Allendale Road Bridge

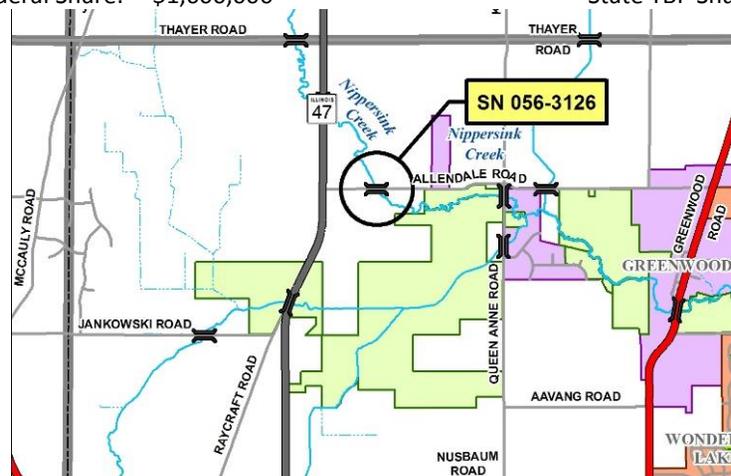
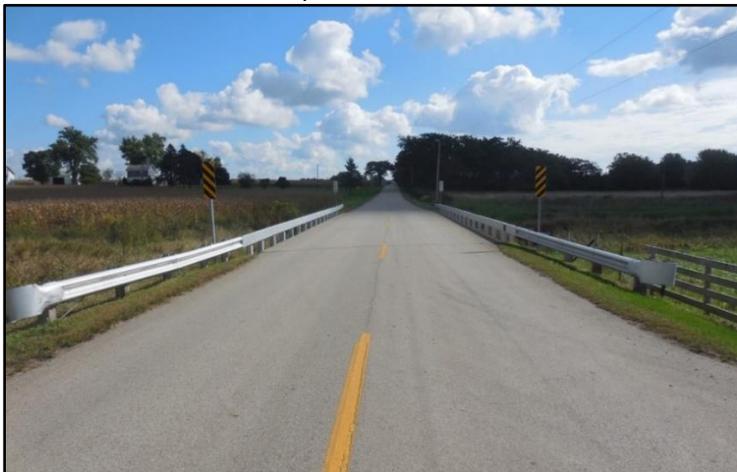
Title	Allendale Road Township Bridge Replacement		
Worktype	Bridge Replacement	Municipality	Unincorporated Greenwood Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$2,400,000
Project ID	SN056-3126	Website	N/A
Limits	Allendale Road Bridge		
Description	This funding is for the replacement of a Township bridge over the Nippersink Creek in Greenwood Township. It had a sufficiency rating of 65.9/100 in 2016. Construction is anticipated in 2022.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Allendale Road Bridge	ENGR1	County Bridge Fund			\$150,000					\$150,000
		<i>Total Engineering 1</i>			\$150,000					\$150,000
	ENGR2	County Bridge Fund				\$150,000				\$150,000
		<i>Total Engineering 2</i>				\$150,000				\$150,000
	ROW	County Bridge Fund					\$100,000			\$100,000
		<i>Total Right of Way</i>					\$100,000			\$100,000
	CONST	County Bridge Fund						\$80,000		\$80,000
	CONST	State TBP Funds						\$320,000		\$320,000
	CONST	Federal STP Bridge						\$1,600,000		\$1,600,000
		<i>Total Construction</i>						\$2,000,000		\$2,000,000
		Total Programmed		\$0	\$150,000	\$150,000	\$100,000	\$2,000,000		\$2,400,000

Total County Cost: \$480,000

Total Federal Share: \$1,600,000

State TBP Share: \$320,000



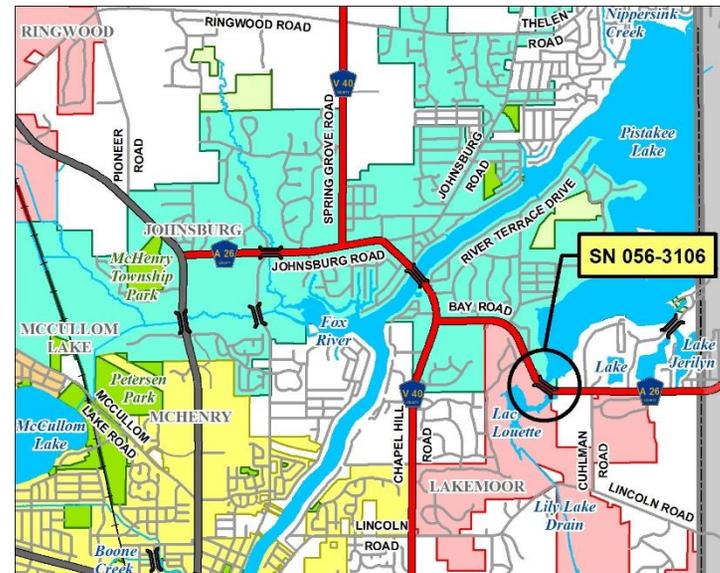
Bay Road Bridge (TIP#11-15-0005)

Title	Bay Road Bridge Rehabilitation		
Worktype	Bridge Rehabilitation	Municipality	Village of Johnsburg and Village of Lakemoor
Category	Preservation	Board District	District 4
Lead Agency	McHenry County DOT	Total Cost	\$1,045,625
Project ID	TIP # 11-15-0005; SN056-3106	Website	N/A
Limits	Bay Road Bridge		
Description	This funding is for the rehabilitation of a County bridge over Pistakee Lake (a.k.a. Lily Lake Drain) in McHenry Township. The existing bridge was built in 1968. It had a sufficiency rating of 67/100 in 2014 and 63.7/100 in 2016. Construction is anticipated in 2018 and funding was already appropriated in 2017.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Bay Road Bridge	ENGR1&2	County Bridge Fund	\$277,199							\$0
		Total Engineering	\$277,199							\$0
	CONST	County Bridge Fund		\$209,125						\$209,125
	CONST	Federal STP Bridge		\$836,500						\$836,500
		Total Construction		\$1,045,625						\$1,000,450
		Total Programmed		\$1,045,625						\$1,045,625

Total County Cost: \$209,125

Total Federal Share: \$836,500



Bridge Inspections

<i>Title</i>	Bridge Inspections					<i>Municipality</i>	Various Municipalities				
<i>Worktype</i>	Bridge Rehabilitation					<i>Board District</i>	All Board Districts				
<i>Category</i>	Preservation					<i>Total Cost</i>	\$718,251				
<i>Lead Agency</i>	McHenry County DOT					<i>Website</i>	N/A				
<i>Project ID</i>	N/A										
<i>Limits</i>	Various Bridges										
<i>Description</i>	This funding is for the required biennial inspections of County and Township structures and special inspection such as scour analysis, underwater inspections, or emergency inspections.										
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Various Bridges	ENGR	County Bridge Fund	\$0	\$230,000	\$0	\$239,292	\$0	\$248,959	\$0	\$718,251	
		Total Engineering	\$0	\$230,000	\$0	\$239,292	\$0	\$248,959	\$0	\$718,251	
		Total Programmed		\$230,000	\$0	\$239,292	\$0	\$248,959		\$718,251	

Total County Cost: \$718,251



Bunker Hill Road Township Bridge (West)

Title	Bunker Hill Road Township Bridge (West)			Municipality	Unincorporated Dunham Township
Worktype	Bridge Replacement			Board District	District 6
Category	Preservation			Total Cost	\$1,200,000
Lead Agency	McHenry County DOT			Website	N/A
Project ID	SN056-3107				
Limits	Bunker Hill Road Bridge				
Description	This funding is for the replacement of a Township bridge over a drainage ditch in Dunham Township. The existing bridge had a sufficiency rating of 51.3/100 in 2016. Construction is anticipated in 2022.				

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Bunker Hill Road Bridge	ENGR1	County Bridge Fund			\$20,000					\$20,000
	ENGR1	Federal STP Bridge			\$80,000					\$80,000
		Total Engineering 1			\$100,000					\$100,000
	ENGR2	County Matching				\$20,000				\$20,000
	ENGR2	Federal STP Bridge				\$80,000				\$80,000
		Total Engineering 2				\$100,000				\$100,000
	ROW	County Bridge Fund					\$100,000			\$100,000
		Total Right of Way					\$100,000			\$100,000
	CONST	County Matching						\$180,000		\$180,000
	CONST	Federal STP Bridge						\$720,000		\$720,000
		Total Construction						\$900,000		\$900,000
		Total Programmed			\$100,000	\$100,000	\$100,000	\$900,000		\$1,200,000

Total County Cost: \$320,000

Total Federal Share: \$880,000



Bunker Hill Road Township Bridge (East)

Title	Bunker Hill Road Township Bridge (East)		
Worktype	Bridge Replacement	Municipality	Unincorporated Dunham Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$100,000
Project ID	SN056-3070	Website	N/A
Limits	Bunker Hill Road Bridge		
Description	This funding is for the replacement of a Township bridge over the Rush Creek in Dunham Township. The existing bridge had a sufficiency rating of 65.9/100 in 2016. Construction is anticipated in 2024.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Bunker Hill Road Bridge	ENGR1	County Bridge Fund						\$20,000		\$20,000
	ENGR1	Federal STP Bridge						\$80,000		\$80,000
		Total Engineering 1						\$100,000		\$100,000
	ENGR2	County Bridge Fund							20000	\$0
	ENGR2	Federal STP Bridge							80000	\$0
		Total Engineering 2							\$100,000	\$0
	CONST	County Bridge Fund							\$180,000	\$0
	CONST	Federal STP Bridge							\$720,000	\$0
		Total Construction							\$900,000	\$0
		Total Programmed							\$100,000	\$100,000

Total County Cost: \$20,000

Total Federal Share: \$80,000



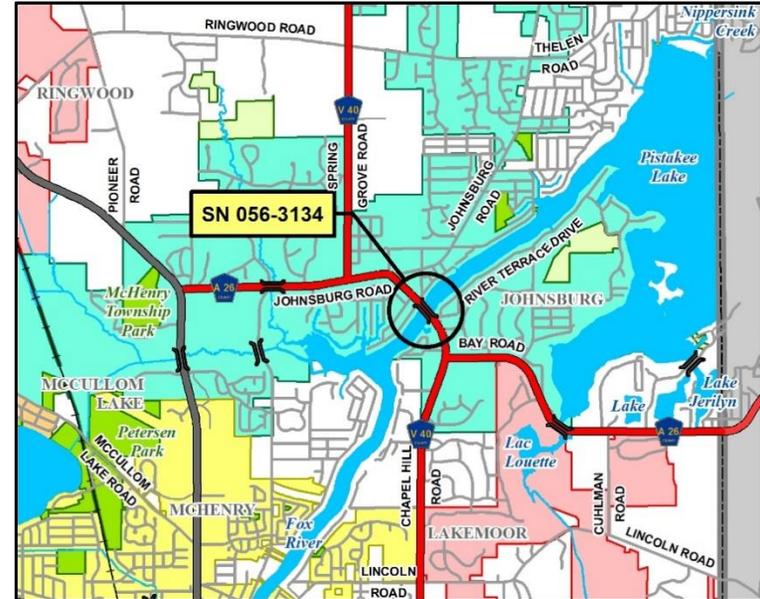
Chapel Hill Road Bridge (TIP#11-15-0006)

Title	Chapel Hill Road Bridge		
Worktype	Bridge Rehabilitation	Municipality	Village of Johnsburg
Category	Preservation	Board District	District 4
Lead Agency	McHenry County DOT	Total Cost	\$800,000
Project ID	TIP # 11-15-0006; SN 056-3134		
Limits	Chapel Hill Road Bridge		
Description	This funding is for the rehabilitation of a bridge over the Fox River in McHenry Township. The existing bridge was built in 1938 and was rehabilitated last in 1996. It had a sufficiency rating of 42/100 in 2014 and 40.7/100 in 2016. Construction is anticipated in 2018 and funding was already appropriated in 2017.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Chapel Hill Road Bridge	ENGR	County Bridge Fund	\$351,890							\$0
		Total Engineering	\$351,890							\$0
Chapel Hill Road Bridge	CONST	County Matching		\$160,000						\$160,000
	CONST	Federal STP Bridge		\$640,000						\$640,000
		Total Construction		\$800,000						\$800,000
		Total Programmed		\$800,000						\$800,000

Total County Cost: \$160,000

Total Federal Share: \$640,000



Deerpass Road Bridges (TIP#11-10-0003)

Title	Deerpass Road Bridges				Municipality	Marengo				
Worktype	Bridge Replacement				Board District	District 6				
Category	Preservation				Total Cost	\$5,587,525				
Lead Agency	McHenry County DOT				Website	N/A				
Project ID	TIP # 11-10-0003; SN 056-3029 & 056-3030									
Limits	Deerpass Road Bridges									
Description	This funding is for the replacement of two existing bridge structures into one structure over the Kishwaukee River and a tributary on the Marengo and Seneca Township boundary. The existing bridges were built in 1966 and have a posted limit of 15 tons. They had sufficiency ratings of 42.4/100 and 26.9/100 in 2014. The sufficiency ratings dropped to 36.9/100 and 26.9/100 in 2016. Construction is anticipated in 2018 and funding was appropriated in 2016.									
Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Deerpass Road Bridges	ENGR1	County Bridge Fund	\$85,427							\$0
	ENGR1	Federal STP Bridge	\$192,170							\$0
		Total Engineering 1	\$277,597							\$0
	ENGR2	County Matching & Option MFT	\$79,488							\$0
	ENGR2	Federal STP Bridge	\$317,951							\$0
		Total Engineering 2	\$397,439							\$0
	ROW	County Matching	\$313,900							\$0
		Total Right of Way	\$313,900							\$0
	CONST	County Bridge Fund		\$317,505						\$317,505
	CONST	County MFT		\$800,000						\$800,000
	CONST	Federal STP Bridge		\$4,470,020						\$4,470,020
		Total Construction		\$5,587,525						\$5,587,525
		Total Programmed		\$5,587,525						\$5,587,525

Total County Cost: \$1,117,505

Total Federal Share: \$4,470,020



Harmony Road Bridge

Title	Harmony Road Bridge	Municipality	Unincorporated Riley Township
Worktype	Bridge Replacement	Board District	District 6
Category	Preservation	Total Cost	\$850,000
Lead Agency	McHenry County DOT	Website	N/A
Project ID	SN 056-3138		
Limits	Harmony Road Bridge		
Description	This funding is for the replacement of an existing bridge over Coon Creek. It had a sufficiency rating of 76.7/100 in 2014. Construction is anticipated in 2019.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Harmony Road Bridge	ENGR1	County Matching	\$150,000							\$0
		<i>Total Engineering 1</i>	\$150,000							\$0
	ENGR2	County Matching			\$150,000					\$150,000
		<i>Total Engineering 2</i>			\$150,000					\$150,000
	ROW	County Bridge Fund				\$100,000				\$100,000
		<i>Total Right of Way</i>				\$100,000				\$100,000
	CONST	County Bridge Fund					\$600,000			\$600,000
		<i>Total Construction</i>					\$600,000			\$600,000
		Total Programmed			\$150,000	\$100,000	\$600,000			\$850,000

Total County Cost: \$850,000



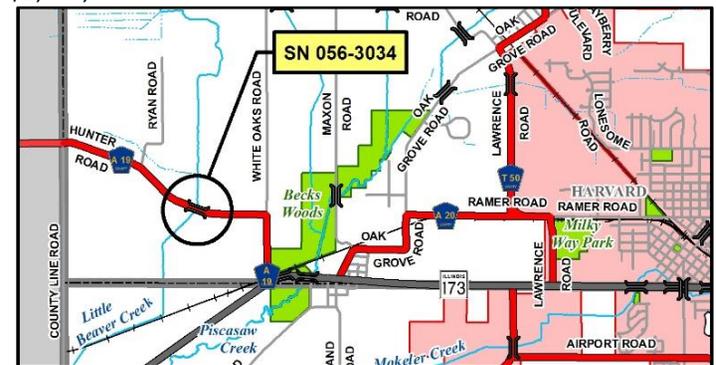
Hunter Road Bridge

Title	Hunter Road Bridge			Municipality	Unincorporated Chemung Township
Worktype	Bridge Rehabilitation			Board District	District 6
Category	Preservation			Total Cost	\$2,350,000
Lead Agency	McHenry County DOT			Website	N/A
Project ID	SN 056-3034				
Limits	Hunter Road Bridge				
Description	This funding is for a rehabilitation of Hunter Road Bridge over the Little Beaver Creek. It had a sufficiency rating of 73/100 in 2014 and 52.6/100 in 2016. Construction is anticipated in 2021.				

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Hunter Road Bridge	ENGR	County Bridge Fund	\$36,825							\$0
		Total Engineering	\$36,825							\$0
	ENGR1	County Bridge Fund		\$30,000						\$30,000
	ENGR1	Federal STP Bridge		\$120,000						\$120,000
		Total Engineering 1		\$150,000						\$150,000
	ENGR2	County Bridge Fund			\$30,000					\$30,000
	ENGR2	Federal STP Bridge			\$120,000					\$120,000
		Total Engineering 2			\$150,000					\$150,000
	ROW	County Bridge Fund				\$50,000				\$50,000
		Total Engineering 2				\$50,000				\$50,000
	CONST	County Matching					\$400,000			\$400,000
	CONST	Federal STP Bridge					\$1,600,000			\$1,600,000
		Total Construction					\$2,000,000			\$2,000,000
		Total Programmed		\$150,000	\$150,000	\$50,000	\$2,000,000			\$2,350,000

Total County Cost: \$510,000

Total Federal Share: \$1,840,000



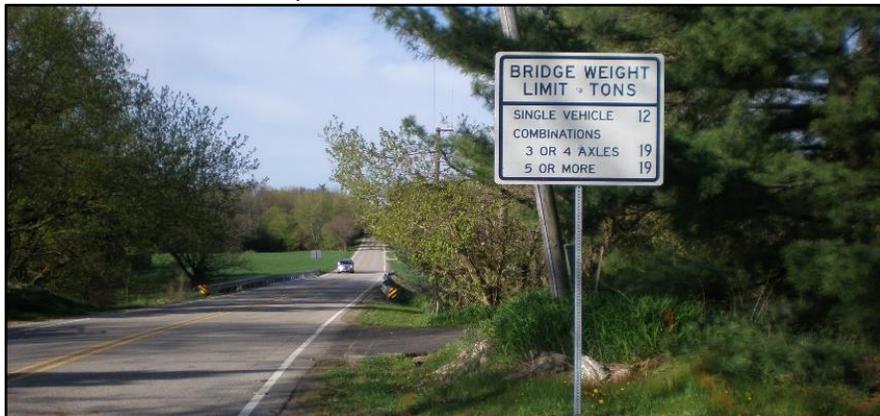
Johnson Road Bridge

Title	Johnson Road Bridge	Municipality	Unincorporated Hebron Township
Worktype	Bridge Rehabilitation	Board District	District 6
Category	Preservation	Total Cost	\$1,040,000
Lead Agency	McHenry County DOT	Website	N/A
Project ID	SN 056-3128		
Limits	Johnson Road Bridge		
Description	This funding is for a deck rehabilitation of Johnson Road Bridge over the Nippersink Creek. It had a sufficiency rating of 52/100 in 2016. A weight restriction of 12 tons for single unit vehicles and 19 tons for combination vehicles was placed on the bridge on April 24, 2017. Construction is anticipated in 2020.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Johnson Road Bridge	ENGR1	County Bridge Fund		\$24,000						\$24,000
	ENGR1	Federal STP Bridge		\$96,000						\$96,000
		Total Engineering 1		\$120,000						\$120,000
	ENGR2	County Bridge Fund			\$24,000					\$24,000
	ENGR2	Federal STP Bridge			\$96,000					\$96,000
		Total Engineering 2			\$120,000					\$120,000
	ROW	County Bridge Fund			\$50,000					\$50,000
		Total Right of Way			\$50,000					\$50,000
	CONST	County Bridge Fund				\$150,000				\$150,000
	CONST	Federal STP Bridge				\$600,000				\$600,000
		Total Construction				\$750,000				\$750,000
		Total Programmed		\$120,000	\$170,000	\$750,000				\$1,040,000

Total County Cost: \$248,000

Total Federal Share: \$792,000



Kishwaukee Valley Road Culvert

Title	Kishwaukee Valley Road Culvert			
Worktype	Culvert	Municipality	Unincorporated Marengo Township	
Category	Preservation	Board District	District 6	
Lead Agency	McHenry County DOT	Total Cost	\$250,000	
Project ID	SN 056-3202	Website	N/A	
Limits	Kishwaukee Valley Road Culvert			
Description	This funding is to replace the concrete box culvert that carries a tributary of Rush Creek under Kishwaukee Valley Road. It had a sufficiency rating of 56.4/100 in 2016 and construction is anticipated in 2020.			

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Kishwaukee Valley Culvert	ENGR	County Matching		\$50,000						\$50,000
		<i>Total Engineering</i>		\$50,000						\$50,000
	CONST	County Matching				\$200,000				\$200,000
		<i>Total Construction</i>				\$200,000				\$200,000
		Total Programmed		\$50,000		\$200,000				\$250,000

Total County Cost: \$250,000



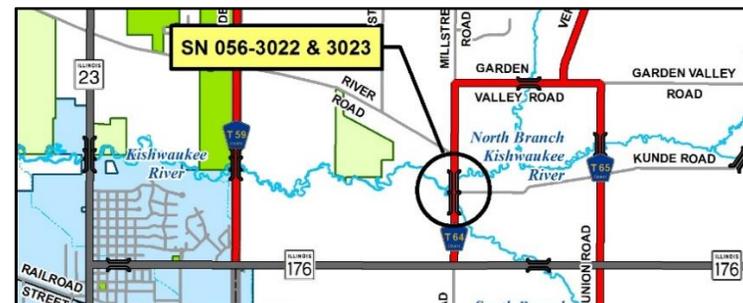
Millstream Road Bridges

Title	Millstream Road Bridges		
Worktype	Bridge Rehabilitation	Municipality	Unincorporated Seneca Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$2,435,000
Project ID	SN 056-3022 & 056-3023	Website	N/A
Limits	Millstream Road Bridges		
Description	This funding is for rehabilitation of two bridges on Millstream Road over two branches of the Kishwaukee River. They had a sufficiency rating of 74.5/100 in 2014 and 53.5/100 in 2016. Construction is anticipated in 2021.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Millstream Road Bridges	ENGR	County Bridge Fund	\$83,662							\$0
		<i>Total Engineering</i>	\$83,662							\$0
	ENGR1	County Bridge Fund		\$36,000						\$36,000
		Federal STP Bridge		\$144,000						\$144,000
		<i>Total Engineering 1</i>		\$180,000						\$180,000
	ENGR2	County Matching			\$36,000					\$36,000
		Federal STP Bridge			\$144,000					\$144,000
		<i>Total Engineering 2</i>			\$180,000					\$180,000
	ROW	County Matching			\$75,000					\$75,000
		<i>Total Right of Way</i>			\$75,000					\$75,000
	CONST	County Matching					\$400,000			\$400,000
		Federal STP Bridge					\$1,600,000			\$1,600,000
		<i>Total Construction</i>					\$2,000,000			\$2,000,000
		Total Programmed		\$180,000	\$255,000	\$0	\$2,000,000			\$2,435,000

Total County Cost: \$547,000

Total Federal Share: \$1,888,000



Oak Grove Road Township Bridge (TIP#11-14-0006)

Title	Oak Grove Road Township Bridge Replacement		
Worktype	Bridge Replacement	Municipality	Unincorporated Chemung Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$800,000
Project ID	TIP # 11-14-0006; SN 056-3035	Website	N/A
Limits	Oak Grove Road Township Bridge		
Description	This funding is for the replacement of an existing Township bridge structure over a drainage ditch near White Oaks Road in Chemung Township. The existing bridge was built in 1938. It had a sufficiency rating of 19.3/100 in 2014 and 2016, and has a posted load limit of 14 tons. Construction is anticipated in 2018. State Township Bridge Program (TBP) funding will be used to offset the cost of construction.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Oak Grove Road Bridge	ENGR1	County Bridge Fund	\$31,939							\$0
	ENGR1	Federal STP Bridge	\$127,757							\$0
	<i>Total Engineering 1</i>		\$159,696							\$0
	ENGR2	County Bridge Fund	\$24,844							\$0
	ENGR2	Federal STP Bridge	\$99,374							\$0
	<i>Total Engineering 2</i>		\$124,218							\$0
	ROW	County Bridge Fund	\$50,000							\$0
	<i>Total Right of Way</i>		\$50,000							\$0
	CONST	County Bridge Fund		\$32,000						\$32,000
	CONST	Federal STP Bridge		\$640,000						\$640,000
	CONST	Township Bridge Program		\$128,000						\$128,000
	<i>Total Construction</i>			\$800,000						\$800,000
	Total Programmed			\$800,000						\$800,000

Total County Cost: \$32,000

Total Federal Share:

\$640,000

State TBP Share:

\$128,000



O'Brien Road Township Bridge (TIP#11-14-0005)

Title	O'Brien Road Township Bridge Rehabilitation		
Worktype	Bridge Rehabilitation	Municipality	Unincorporated Hebron Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$1,550,000
Project ID	TIP # 11-14-0005; SN 056-3118		
Limits	O'Brien Road Township Bridge		
Description	This funding is for the rehabilitation of an existing Township bridge structure over the Nippersink Creek near Illinois Route 47 in Hebron Township. The existing bridge was built in 1975. It had a sufficiency rating of 33.1/100 in 2014 and 2016, and a posted limit of 13 tons. Construction is anticipated in 2018.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Oak Grove Road Bridge	ENGR1	County Bridge Fund	\$27,424							\$0
	ENGR1	Federal STP Bridge	\$109,697							\$0
	Total Engineering 1			\$137,122						
	ENGR2	County Bridge Fund	\$23,948							\$0
	ENGR2	Federal STP Bridge	\$95,791							\$0
	Total Engineering 2			\$119,738						
	ROW	County Bridge Fund	\$42,300	\$50,000						\$50,000
	Total Right of Way			\$42,300	\$50,000					
	CONST	County Bridge Fund		\$300,000						\$300,000
	CONST	Federal STP Bridge		\$1,200,000						\$1,200,000
	Total Construction				\$1,500,000					
Total Programmed				\$1,550,000						\$1,550,000

Total County Cost: \$350,000

Total Federal Share: \$1,200,000



Paulson Road Township Bridge

Title	Paulson Road Township Bridge		
Worktype	Bridge Replacement	Municipality	Unincorporated Hartland Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$1,805,000
Project ID	SN 056-3071	Website	N/A
Limits	Paulson Road Bridge		
Description	This funding is for the replacement of an existing Township bridge structure over the Kishwaukee River in Hartland Township. The existing bridge was built in 1959. It has a sufficiency rating of 30.7/100 in 2016. Construction is anticipated in 2021.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Paulson Road Bridge	ENGR1	County Bridge Fund	\$40,000							\$0
	ENGR1	Federal STP Bridge	\$160,000							\$0
		Total Engineering 1	\$200,000							\$0
	ENGR2	County Bridge Fund			\$35,000					\$35,000
	ENGR2	Federal STP Bridge			\$140,000					\$140,000
		Total Engineering 2			\$175,000					\$175,000
	ROW	County Bridge Fund				\$30,000				\$30,000
		Total Right of Way				\$30,000				\$30,000
	CONST	County Matching					\$400,000			\$400,000
	CONST	Federal STP Bridge					\$1,200,000			\$1,200,000
		Total Construction					\$1,600,000			\$1,600,000
		Total Programmed			\$175,000	\$30,000	\$1,600,000			\$1,805,000

Total County Cost: \$465,000

Total Federal Share: \$1,340,000



Thayer Road Township Bridge

Title	Thayer Road Township Bridge Rehabilitation		
Worktype	Bridge Rehabilitation	Municipality	Unincorporated Hebron Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$1,320,000
Project ID	SN056-3115	Website	N/A
Limits	Thayer Road Township Bridge		
Description	This funding is for the rehabilitation of an existing Township bridge structure over the Nippersink Creek near Illinois Route 47 in Hebron Township. The existing bridge was built in 1975. It had a sufficiency rating of 29.8/100 in 2014 and 31.4/100 in 2016. Construction is anticipated in 2020.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Thayer Road Bridge	ENGR1	County Bridge Fund		\$30,000						\$30,000
	ENGR1	Federal STP Bridge		\$120,000						\$120,000
		<i>Total Engineering 1</i>		\$150,000						\$150,000
	ROW	County Bridge Fund			\$20,000					\$20,000
		<i>Total Right of Way</i>			\$20,000					\$20,000
	ENGR2	County Bridge Fund			\$30,000					\$30,000
	ENGR2	Federal STP Bridge			\$120,000					\$120,000
		<i>Total Engineering 2</i>			\$150,000					\$150,000
	CONST	County Bridge Fund				\$200,000				\$200,000
	CONST	Federal STP Bridge				\$800,000				\$800,000
		<i>Total Construction</i>				\$1,000,000				\$1,000,000
		Total Programmed		\$150,000	\$170,000	\$1,000,000				\$1,320,000

Total County Cost: \$280,000

Total Federal Share: \$1,040,000



Township Bridge Rehabilitation Assistance Program

Title	Township Bridge Rehabilitation Assistance Program									
Worktype	Bridge Rehabilitation	Municipality	Various Municipalities							
Category	Preservation	Board District	Various Board Districts							
Lead Agency	Townships	Total Cost	\$810,000							
Project ID	N/A	Website	N/A							
Limits	McHenry County									
Description	This program is designed to provide financial assistance to Township Road Districts that desire to rehabilitate structures on their own, without the use of Federal funds. Currently the County receives \$162,000 per year from the State of Illinois as part of the Township Bridge Program. These funds are currently programmed to offset the local match on projects where a township bridge is being replaced by the County with Federal funds. This program matches State funds with the goal of extending the life of our existing Township bridges, which is a more sustainable practice and often avoids land acquisition and wetland, and/or floodplain impacts that are often associated with large scale bridge replacement projects. In 2016, \$162,000 was spent from this program to rehabilitate Thayer Road Bridge and Thorne Road Bridge.									
Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Carls Road Bridge Rehab		County Option MFT	\$117,000							\$0
Seeman Road Bridge Rehab		County Option MFT	\$45,000							\$0
			\$162,000							\$162,000
TBD		County Option MFT		\$162,000						\$162,000
				\$162,000						\$162,000
TBD		County Option MFT			\$162,000					\$162,000
					\$162,000					\$162,000
TBD		County Option MFT				\$162,000				\$162,000
						\$162,000				\$162,000
TBD		County Option MFT					\$162,000			\$162,000
							\$162,000			\$162,000
TBD		County Option MFT						\$162,000	\$162,000	\$162,000
								\$162,000	\$162,000	\$162,000
		Total Programmed		\$162,000	\$162,000	\$162,000	\$162,000	\$162,000		\$810,000

Total County Cost: \$810,000

Union Road Bridge (TIP#11-14-0004)

Title	Union Road Bridge Replacement		
Worktype	Bridge Replacement	Municipality	Unincorporated Seneca Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT		
Project ID	TIP # 11-14-0004; SN 056-3026		
Limits	Union Road Bridge		
Description	This funding is for the replacement of an existing bridge structure over Kishwaukee River in Seneca Township. The existing bridge was built in 1966. It had a sufficiency rating of 36.4/100 in 2014 and 36.5/100 in 2016. It has a posted limit of 12 tons. Construction is anticipated in 2018.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Union Road Bridge	ENGR1	County Bridge Fund	\$38,266							\$0
	ENGR1	Federal STP Bridge	\$153,065							\$0
		Total Engineering 1	\$191,331							\$0
	ENGR2	County Bridge Fund	\$28,287							\$0
	ENGR2	Federal STP Bridge	\$113,150							\$0
		Total Engineering 2	\$141,437							\$0
	ROW	County Bridge Fund	\$146,200	\$110,000						\$110,000
		Total Right of Way	\$146,200	\$110,000						\$110,000
	CONST	County Bridge Fund		\$400,000						\$400,000
	CONST	Federal STP Bridge		\$1,200,000						\$1,200,000
		Total Construction		\$1,600,000						\$1,600,000
		Total Programmed		\$1,710,000						\$1,710,000

Total County Cost: \$510,000

Total Federal Share: \$1,200,000



West Solon Road Township Bridge

Title	West Solon Road Township Bridge		
Worktype	Bridge Replacement	Municipality	Unincorporated Richmond Township
Category	Preservation	Board District	District 4
Lead Agency	McHenry County DOT	Total Cost	\$1,805,000
Project ID	SN 056-3142	Website	N/A
Limits	West Solon Road Bridge		
Description	This funding is for the replacement of an existing township bridge structure over the Nippersink in Richmond Township. The existing bridge had a sufficiency rating of 62.6/100 in 2016. Construction is anticipated in 2022.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
West Solon Road Bridge	ENGR1	County Bridge Fund	\$40,000							\$0
	ENGR1	Federal STP Bridge	\$160,000							\$0
	Total Engineering 1		\$200,000							\$0
	ENGR2	County Bridge Fund			\$35,000					\$35,000
	ENGR2	Federal STP Bridge			\$140,000					\$140,000
	Total Engineering 2				\$175,000					\$175,000
	ROW	County Bridge Fund				\$30,000				\$30,000
	Total Right of Way					\$30,000				\$30,000
	CONST	County Matching Fund						\$400,000		\$400,000
	CONST	Federal STP Bridge						\$1,200,000		\$1,200,000
	Total Construction							\$1,600,000		\$1,600,000
Total Programmed					\$175,000	\$30,000		\$1,600,000		\$1,805,000

Total County Cost: \$465,000

Total Federal Share: \$1,340,000



White Oaks Road Township Bridge

Title	White Oaks Road Township Bridge		
Worktype	Bridge Replacement	Municipality	Unincorporated Chemung Township
Category	Preservation	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$2,025,000
Project ID	SN056-3043	Website	N/A
Limits	White Oaks Road Bridge		
Description	This funding is for the replacement of an existing Township bridge structure over the west branch of the Piscasaw Creek in Chemung Township. The existing bridge was built in 1947 and had a sufficiency rating of 70.4/100 in 2016. Construction is anticipated in 2022.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
White Oaks Road Bridge	ENGR1	County Bridge Fund		\$40,000						\$40,000
	ENGR1	Federal STP Bridge		\$160,000						\$160,000
		<i>Total Engineering 1</i>		\$200,000						\$200,000
	ENGR2	County Matching				\$35,000				\$35,000
	ENGR2	Federal STP Bridge				\$140,000				\$140,000
		<i>Total Engineering 2</i>				\$175,000				\$175,000
	ROW	County Bridge Fund					\$50,000			\$50,000
		<i>Total Right of Way</i>					\$50,000			\$50,000
	CONST	County Matching						\$400,000		\$400,000
	CONST	Federal STP Bridge						\$1,200,000		\$1,200,000
		<i>Total Construction</i>						\$1,600,000		\$1,600,000
		Total Programmed		\$200,000		\$175,000	\$50,000	\$1,600,000		\$2,025,000

Total County Cost: \$525,000

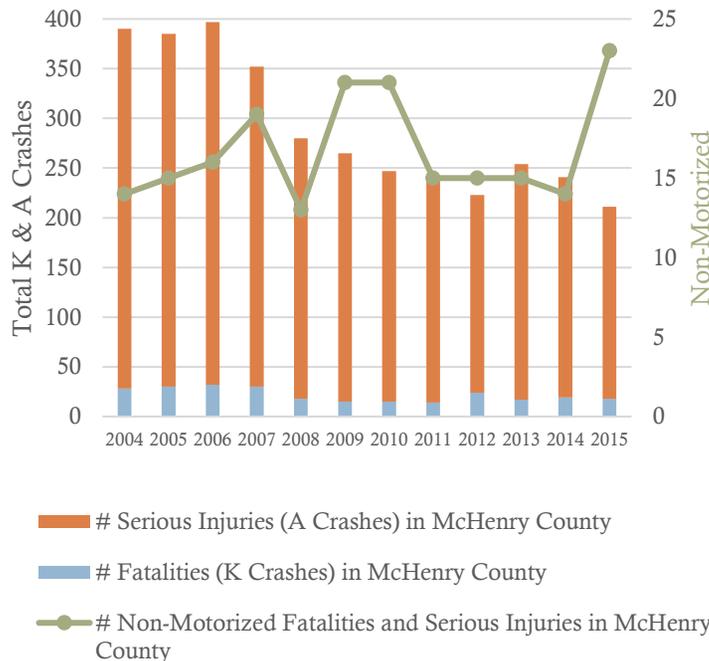
Total Federal Share: \$1,500,000



5. Public Safety and Health Program

Public safety projects are intended to reduce the number and severity of crashes at particular locations and enhance safe travel conditions throughout the County. Vehicle crashes result in higher costs to the public through personal injury, loss of worker productivity, property damage, and insurance rates. The perception of unsafe travel conditions reduces accessibility to adjacent properties. Improving sight-lines along a roadway or adding lighting are examples of safety improvements. Between 2018 and 2022, \$15.3 million in public safety improvements are programmed.

The County has adopted the goal of having zero fatalities on County roadways. Transportation engineers and planners look to the “four E’s” of transportation safety to reduce the number of fatalities and serious injuries on our roadways: **Engineering, Enforcement, Education and Emergency Response**. Engagement of each of the four components is necessary to improve roadway safety, however the Division of Transportation relies heavily on other agencies for Enforcement, Education and Emergency Response.



Public Safety Program	2018-2022 Programmed Costs
Ackman Road Safety Project	\$6,650,000
Algonquin Road Intersection Safety Project	\$836,800
Algonquin and Crystal Lake Road Safety Project	\$299,970
Low-Cost Safety Improvement Program	\$250,000
Oak Grove Road Railroad Crossing Project	\$300,000
Pyott Road Corridor Safety Project	\$1,000,000
River Road and Dowell Road Intersection Project	\$3,360,000
Chapel Hill - River Road Corridor Safety Project	\$2,500,000
Wilmot and Main Street Intersection Safety Project	\$120,500
TOTAL	\$15,317,270
Annual Average	\$3,063,454

Year:	# Fatalities (K) in McHenry County	# Serious Injuries (A Crashes) in McHenry County	# Non-Motorized Fatalities and Serious Injuries in McHenry County
2004	28	362	14
2005	30	355	15
2006	32	365	16
2007	30	322	19
2008	18	262	13
2009	15	250	21
2010	15	232	21
2011	14	225	15
2012	24	199	15
2013	17	237	15
2014	19	222	14
2015	18	193	23
2016			

Table 8: Fatalities (K Crashes) and Serious Injury (A Crashes), by Year

The Illinois Department of Transportation (IDOT) has provided McHenry County with a “5% Report” which lists the most dangerous 5% of intersections in the County. The list of intersections have at least one County roadway and do not intersect with State or U.S. Routes (these are evaluated separately by IDOT). Many intersections on the 5% report intersect a Municipal or Township roadway. In these cases, the County will work collaboratively with the Municipality or Township to assess safety concerns and the final cost of the project will be shared among all partners. Three intersections on this list are scheduled for construction in the coming years – the intersection of Charles and Raffel Roads, the intersection of South Union and Marengo Roads, and the intersection of Algonquin and Oakleaf Roads. This 2018-2022 Transportation Program also initiates engineering on several other 5% locations as part of the “Ackman Road Safety Project” and “River Road Corridor Safety Project.” In addition to this list of County intersections, several IDOT projects will be under construction in this Program that will dramatically improve motorist safety, especially along the U.S. 20 corridor.

Highway Safety Improvement Program

IDOT's Local Highway Safety Improvement Program (HSIP) is a Federal funding source for quick, low cost safety improvement projects that improve a location/feature or address a highway safety need that is contributing to severe roadway crashes. All phases of a project are eligible for HSIP funding, with a maximum Federal share of ninety percent (90%) and a ten percent (10%) local share.

McHenry County received \$1,088,523 in local HSIP funding in 2017 for three projects – Algonquin Rd Intersection improvements, Algonquin Rd /Crystal Lake Rd intersection improvements, and improvements to the intersection of Wilmot Rd and Main St.

5% REPORT MCDOT INTERSECTIONS					
INTERSECTION		INTERSECTION TYPE	CRASH DATA Y/N?	CRASH DATA YEARS	RECOMMEND FOR IMPROVEMENT?
ROAD NORTH/SOUTH	ROAD EAST/WEST				
ALDEN RD	O'BRIEN RD	MINOR LEG STOP CONTROL	N	-	
CARY RD	CERMAK RD	MINOR LEG STOP CONTROL	N	-	
CHARLES RD	QUEEN ANNE RD	MINOR LEG STOP CONTROL	Y	2009-2013	
CHARLES RD	RAFFEL RD	MINOR LEG STOP CONTROL	Y	2009-2016	Roundabout in 2017
DEERPASS RD	COLLINS RD	MINOR LEG STOP CONTROL	N	-	
DEERPASS RD	RIVER RD	MINOR LEG STOP CONTROL	Y	2009-2016	
FRANKLINVILLE RD	PERKINS RD / GARDEN VALLEY RD	MINOR LEG STOP CONTROL	N	-	
GOLF COURSE RD	ACKMAN RD	TRAFFIC SIGNAL	Y	2009-2013	
GREENWOOD RD	TRYON GROVE RD	MINOR LEG STOP CONTROL	N	-	
HAEGERS BEND RD / ELGIN RD	COUNTY LINE RD / LAKE COOK RD	TRAFFIC SIGNAL	N	-	
HALIGUS RD	ALGONQUIN RD	TRAFFIC SIGNAL	Y	2009-2013	
HANSON RD	ALGONQUIN RD	TRAFFIC SIGNAL	Y	2009-2014	
KEYSTONE RD	TRYON GROVE RD	MINOR LEG STOP CONTROL	N	-	
LAKEWOOD RD	ALBRECHT RD	MINOR LEG STOP CONTROL	N	-	
MARENGO RD	AIRPORT RD	ALL WAY STOP CONTROL	N	-	
NOE RD	KISHWAUKEE VALLEY RD	MINOR LEG STOP CONTROL	N	-	
OAKLEAF RD	ALGONQUIN RD	MINOR LEG STOP CONTROL	Y	2009-2013	
RANDALL RD	HARNISH DR	TRAFFIC SIGNAL	Y	2009-2013	
REESE RD	OAK GROVE RD	MINOR LEG STOP CONTROL	N	-	
RIVER ROAD	SUNSET DRIVE	MINOR LEG STOP CONTROL	N	-	
SEEMAN RD	MARENGO RD	MINOR LEG STOP CONTROL	N	-	
SOUTH UNION RD	CORAL RD	MINOR LEG STOP CONTROL	N	-	
SOUTH UNION RD	MARENGO RD	MINOR LEG STOP CONTROL	N	-	Roundabout in 2019/20
SPRING GROVE RD	MILLER RD	MINOR LEG STOP CONTROL	Y	2009-2013	
VERMONT RD	COLLINS RD	MINOR LEG STOP CONTROL	N	-	
WILMOT RD	MAIN ST	TRAFFIC SIGNAL	N	-	
WILMOT RD	PADDOCK RD	MINOR LEG STOP CONTROL	N	-	

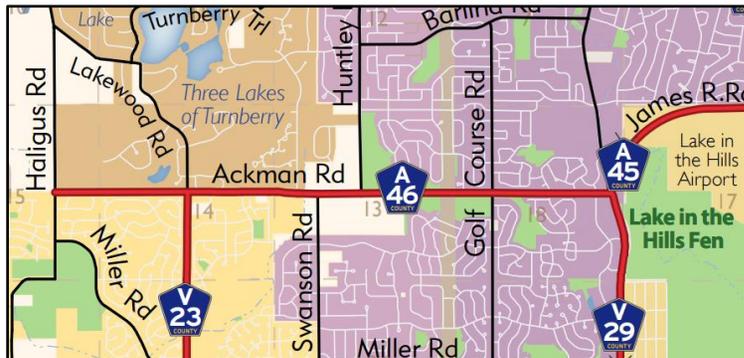
COUNTY HIGHWAY

Figure 14: 5% Crash Locations - MCDOT Intersections with Municipal or Township Roadways (2014)

Ackman Road Safety Project (Huntley, Swanson and Redtail Intersections)

Title	Ackman Road Safety Project (Huntley, Swanson and Redtail Intersections)										
Worktype	Intersection										
Category	Modernization										
Lead Agency	McHenry County DOT										
Project ID	N/A										
Limits	West of Redtail Drive to East of Huntley Road										
Description	This project will address known safety concerns along the Ackman Road corridor. Two issues have been identified - a lack of bicycle and pedestrian infrastructure along the corridor, and vehicle turning conflicts at the Huntley, Swanson and Redtail intersections. This project will add bicycle and pedestrian accommodations and provide for safe vehicle travel along Ackman Road.										
Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total	
Huntley to Redtail	FEAS.	County Option MFT		\$250,000						\$250,000	
		<i>Total Feasibility</i>		\$250,000						\$250,000	
	ENGR1	RTA Sales Tax			\$250,000					\$250,000	
		<i>Total Engineering 1</i>			\$250,000					\$250,000	
	ENGR2	RTA Sales Tax				\$250,000				\$250,000	
		<i>Total Engineering 2</i>				\$250,000				\$250,000	
	ROW	RTA Sales Tax				\$200,000	\$200,000			\$400,000	
		<i>Total Right of Way</i>				\$200,000	\$200,000			\$400,000	
	CONST	RTA Sales Tax					\$2,000,000	\$3,000,000		\$5,000,000	
		<i>Total Construction</i>					\$2,000,000	\$3,000,000		\$5,000,000	
	CE	RTA Sales Tax					\$200,000	\$300,000		\$500,000	
		<i>Total CE</i>					\$200,000	\$300,000		\$500,000	
		Total Programmed		\$250,000	\$250,000	\$450,000	\$2,400,000	\$3,300,000		\$6,650,000	

Total County Cost: \$6,650,000



Algonquin Road Intersection Safety Project

Title	Algonquin Road Intersection Safety Project		
Worktype	Intersection	Municipality	Huntley, Lake in the Hills, and Algonquin
Category	Modernization	Board District	District 1, District 2 and District 5
Lead Agency	McHenry County DOT	Total Cost	\$836,800
Project ID	N/A	Website	N/A
Limits	Haligus Road to Pyott Road		
Description	To reduce the number of crashes, intersections along Algonquin Road will be upgraded with Flashing Yellow Arrows (FYA) and high visibility Traffic Signal Backplates with Retroreflective Borders. All of the intersections currently allow protected permissive lefts for eastbound and westbound traffic except at Hanson Road. For this reason, FYA will not be added at this intersection. Left turns will remain protected only and backplates with retroreflective borders will be added to the mast arm signals. The Randall Road and Crystal Lake Road intersections will be omitted as they are being improved as part of a separate project.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Haligus to Pyott	ENGR1	RTA Sales Tax		\$6,000						\$6,000
	ENGR1	State HSIP Funding		\$54,000						\$54,000
		Total Engineering 1		\$60,000						\$60,000
	ENGR2	RTA Sales Tax		\$6,000						\$6,000
	ENGR2	State HSIP Funding		\$54,000						\$54,000
		Total Engineering 2		\$60,000						\$60,000
	CONST	RTA Sales Tax			\$71,680					\$71,680
	CONST	State HSIP Funding			\$645,120					\$645,120
		Total Construction			\$716,800					\$716,800
		Total Programmed		\$120,000	\$716,800					\$836,800

Total County Cost: \$83,680

Total State HSIP Share: \$753,120



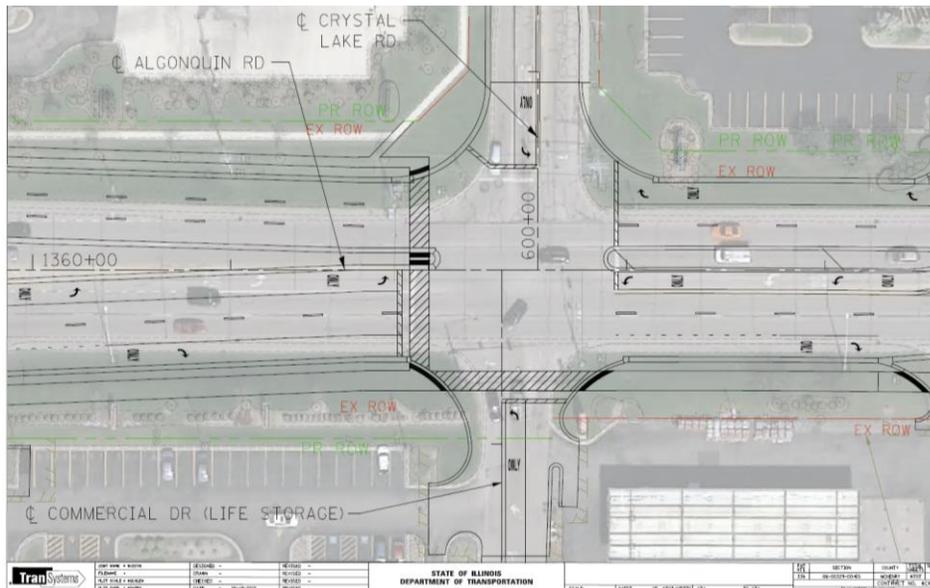
Algonquin Road and Crystal Lake Road Intersection Safety Project

Title	Algonquin & Crystal Lake Road Intersection Safety Project		
Worktype	Intersection	Municipality	Lake in the Hills and Algonquin
Category	Modernization	Board District	District 1 & District 2
Lead Agency	McHenry County DOT	Total Cost	\$299,970
Project ID	N/A	Website	N/A
Limits	Intersection of Algonquin Road and Crystal Lake Road		
Description	To reduce the number of crashes, the intersection of Crystal Lake Road and Algonquin Road will be upgraded with Flashing Yellow Arrows (FYA) and high visibility Traffic Signal Backplates with Retroreflective Borders. The intersection currently allows protected permissive lefts for eastbound and westbound traffic.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Crystal Lake Road	CONST	RTA Sales Tax				\$27,270				\$27,270
	CONST	State HSIP Funding				\$245,430				\$245,430
		Total Construction				\$272,700				\$272,700
	CE	RTA Sales Tax				\$2,727				\$2,727
	CE	State HSIP Funding				\$24,543				\$24,543
		Total Construction Engineering				\$27,270				\$27,270
		Total Programmed				\$299,970				\$299,970

Total County Cost: \$29,997

Total State HSIP Share: \$269,973



Low-Cost Safety Improvement Program

<i>Title</i>	Low-Cost Safety Improvement Program										
<i>Worktype</i>	Small Safety Project										
<i>Category</i>	Modernization										
<i>Lead Agency</i>	McHenry County DOT										
<i>Project ID</i>	N/A										
<i>Limits</i>	Various Locations										
<i>Description</i>	This funding is for low-cost improvements to improve safety as identified during the fiscal year. These items include but are not limited to installation of chevrons, flashers, and additional pavement markings. In 2015, Rectangular Rapid Flashing Beacons (RRFBs) were placed on Ackman Road at Westport Ridge to help facilitate safe midblock crossing for students walking to Crystal Lake South High School. In 2016, the Division of Transportation installed 24 hour warning flashers at the intersection of Pyott Road and Oak Street in Lake in the Hills at a cost of approximately \$10,000. In 2017, a pedestrian crossing and RRFBs will be placed at the intersection of Ackman Road and Amberwood Drive in the City of Crystal Lake, and in 2018 RRFBs will be installed at the Ridgefield Road crossing of the Ridgefield Trace bike path.										
Location	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
Ackman Road RRFB	CONST	County Option MFT	\$50,000							\$0	
			\$50,000							\$0	
Ridgefield Trace RRFB	CONST	RTA Sales Tax		\$50,000						\$50,000	
				\$50,000						\$50,000	
Hartland/Hughes & US-14	CONST	RTA Sales Tax			\$50,000					\$50,000	
					\$50,000					\$50,000	
Greenwood Road & IL 173	CONST	RTA Sales Tax				\$50,000				\$50,000	
						\$50,000				\$50,000	
TBD	CONST	RTA Sales Tax					\$50,000			\$50,000	
							\$50,000			\$50,000	
TBD	CONST	RTA Sales Tax						\$50,000	\$50,000	\$50,000	
								\$50,000	\$50,000	\$50,000	
		Total Programmed		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$250,000	

Total County Cost: \$250,000

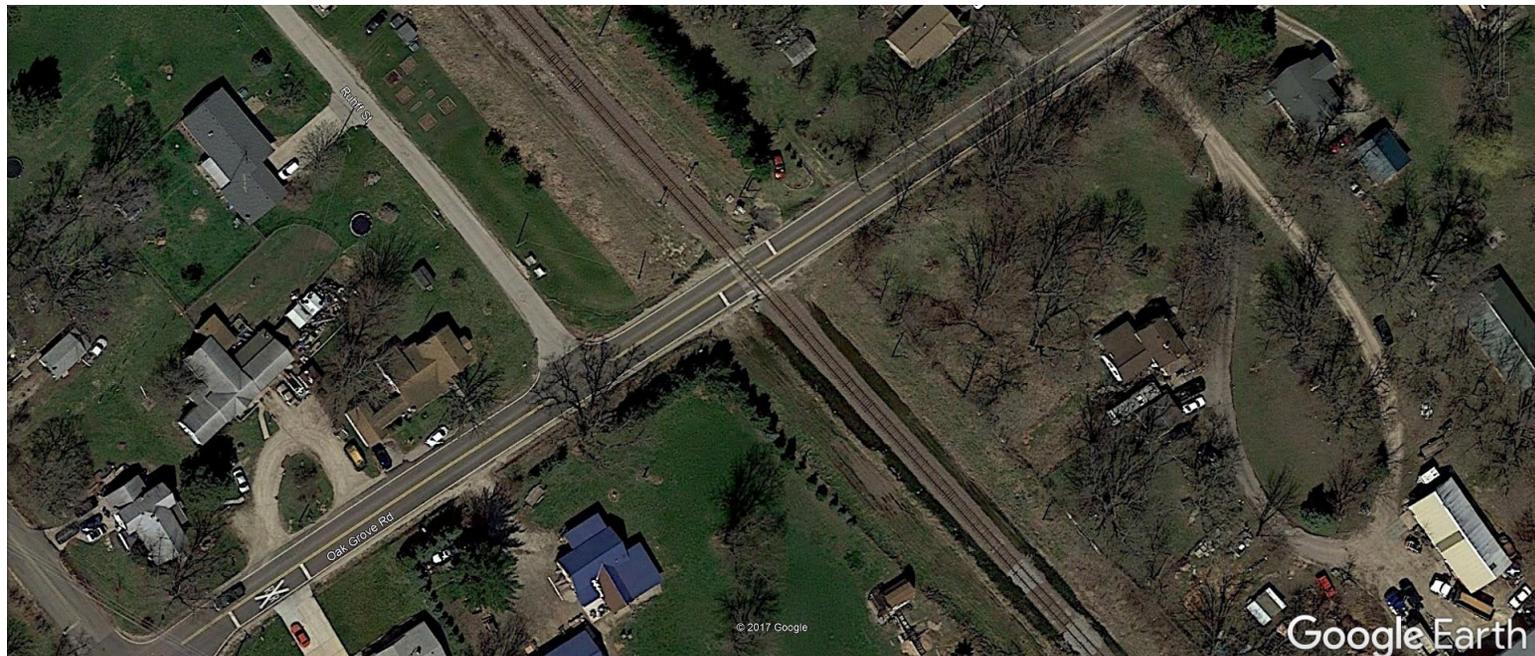


Oak Grove Road Railroad Crossing Project

Title	Oak Grove Road Railroad Crossing Safety Project			
Worktype	Safety Project	Municipality	City of Harvard	
Category	Modernization	Board District	District 6	
Lead Agency	Illinois Commerce Commission (ICC)	Total Cost	\$300,000	
Project ID	N/A	Website	N/A	
Limits	Oak Grove Road at Union Pacific Railroad Crossing			
Description	This project will utilize funding from the Grade Crossing Protection Fund (GCPF) to reimburse the Union Pacific Railroad for 85% of the cost to install automatic warning devices at the Oak Street at-grade crossing. McHenry County will reimburse the railroad for 10% of the installation costs, and the railroad will pay all remaining installation costs, as well as all future operating and maintenance costs.			

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Oak Grove Rd. Crossing	CONST	GCPF					\$255,000			\$255,000
	CONST	RTA Sales Tax					\$30,000			\$30,000
	CONST	U.P. Railroad					\$15,000			\$15,000
		Total Construction					\$300,000			\$300,000
		Total Programmed					\$300,000			\$300,000

Total County Cost: \$30,000



Pyott Road Corridor Safety Project

Title	Pyott Road Corridor Safety Project		
Worktype	Safety Project	Municipality	Village of Lake in the Hills
Category	Modernization	Board District	District 2
Lead Agency	McHenry County DOT	Total Cost	\$1,000,000
Project ID	N/A	Website	N/A
Limits	Pyott Road from Rakow Road to Algonquin Road in the Village of Lake in the Hills		
Description	This project will address safety concerns that have been raised by the Village of Lake in the Hills and residents living along the Pyott Road corridor, and in particular near the Pyott Road and Oak Street intersection. Federal Highway Safety Improvement Program (HSIP) funding for safety projects will be pursued, which could reduce the cost to McHenry County.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Pyott Road Corridor	FEAS.	RTA Sales Tax				\$250,000				\$250,000
		<i>Total Feasibility</i>				\$250,000				\$250,000
	ENGR1	RTA Sales Tax					\$250,000			\$250,000
		<i>Total Engineering 1</i>					\$250,000			\$250,000
	ENGR2	RTA Sales Tax						\$250,000		\$250,000
		<i>Total Engineering 2</i>						\$250,000		\$250,000
	ROW	RTA Sales Tax						\$250,000	\$150,000	\$250,000
		<i>Total Right of Way</i>						\$250,000	\$150,000	\$250,000
	CONST	RTA Sales Tax							\$4,000,000	\$0
		<i>Total Construction</i>							\$4,000,000	\$0
	CE	RTA Sales Tax							\$400,000	\$0
		<i>Total Construction Engineering</i>							\$400,000	\$0
		Total Programmed				\$250,000	\$250,000	\$500,000		\$1,000,000

Total County Cost: \$1,000,000



River Road and Dowell Road Intersection Safety Project (TIP#11-08-0021)

Title	River Road and Dowell Road Intersection Safety Project		
Worktype	Intersection	Municipality	Unincorporated Nunda Township
Category	Modernization	Board District	District 3
Lead Agency	McHenry County DOT	Total Cost	\$3,360,000
Project ID	TIP # 11-08-0021	Website	N/A
Limits	Intersection of River Road and Dowell Road		
Description	The project is designed to improve vehicle movements through the intersection and reduce the probability of serious angle collisions by constructing a roundabout. This project is programmed to be completed in 2018.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
River and Dowell	ENGR1&2	County MFT	\$381,277							\$0
		<i>Total Engineering 1 & 2</i>	\$381,277							\$0
	ROW	County Matching	\$950,000							\$0
		<i>Total Right of Way</i>	\$950,000							\$0
	CONST	RTA Sales Tax		\$2,000,000						\$2,000,000
	CONST	County Option MFT		\$1,000,000						\$1,000,000
		<i>Total Construction</i>		\$3,000,000						\$3,000,000
	CE	County MFT		\$360,000						\$360,000
		<i>Total Construction Engineering</i>		\$360,000						\$360,000
		Total Programmed		\$3,360,000						\$3,360,000

Total County Cost: \$3,360,000



Chapel Hill - River Road Corridor Safety Project

Title	Chapel Hill - River Road Corridor Safety Project		
Worktype	Safety Project	Municipality	Various Municipalities
Category	Modernization	Board District	District 3 & District 4
Lead Agency	McHenry County DOT	Total Cost	\$2,500,000
Project ID	N/A	Website	N/A
Limits	IL 176 to Johnsburg Road		
Description	This nine (9) mile corridor project will identify project stakeholders, funding partners, and funding sources as well as the immediate and long term corridor safety, capacity, structural, and pedestrian needs. Upon completion of the feasibility study, the locations that have been identified as immediate needs will move into the Phase I process. Long term needs will be addressed in the out years.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
River Road Corridor	FEAS.	RTA Sales Tax				\$500,000				\$500,000
		<i>Total Feasibility</i>				\$500,000				\$500,000
	ENGR1	RTA Sales Tax					\$2,000,000			\$2,000,000
		<i>Total Engineering 1</i>					\$2,000,000			\$2,000,000
	ENGR2	RTA Sales Tax						\$3,000,000		\$0
		<i>Total Engineering 2</i>						\$3,000,000		\$0
	ROW	RTA Sales Tax						\$2,000,000		\$0
		<i>Total Right of Way</i>						\$2,000,000		\$0
	CONST	RTA Sales Tax						\$10,000,000		\$0
		<i>Total Construction</i>						\$10,000,000		\$0
	CE	RTA Sales Tax						\$150,000		\$0
		<i>Total Construction Engineering</i>						\$150,000		\$0
		Total Programmed				\$500,000	\$2,000,000			\$2,500,000

Total County Cost: \$2,500,000



Wilmot Road and Main Street Intersection Safety Project

Title	Wilmot Road and Main Street Intersection Safety Project		
Worktype	Intersection	Municipality	Spring Grove
Category	Modernization	Board District	District 5
Lead Agency	McHenry County DOT	Total Cost	\$120,500
Project ID	N/A	Website	N/A
Limits	Intersection of Wilmot Road and Main Street		
Description	Between 2012 and 2016, a total of 11 crashes occurred at the intersection of Wilmot Road and Main Street. The intersection also appears on McHenry County 5% Location Maps. The injuries are classified as follows: Type A (2), Type B (1), and Type C (3). To reduce the number of crashes, the intersection will be upgraded with Flashing Yellow Arrows and high visibility Traffic Signal Backplates with Retroreflective Borders. Currently all four approaches allow protected permissive lefts.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Wilmot & Main	ENGR1	RTA Sales Tax		\$1,920						\$1,920
	ENGR1	State HSIP Funding		\$17,280						\$17,280
		Total Engineering 1		\$19,200						\$19,200
	ENGR2	RTA Sales Tax		\$1,920						\$1,920
	ENGR2	State HSIP Funding		\$17,280						\$17,280
		Total Engineering 2		\$19,200						\$19,200
	CONST	RTA Sales Tax			\$8,210					\$8,210
	CONST	State HSIP Funding			\$73,890					\$73,890
		Total Construction			\$82,100					\$82,100
		Total Programmed		\$38,400	\$82,100					\$120,500

Total County Cost: \$12,050

Total State HSIP Share: \$108,450



6. County Highway Operational and Capacity Program

County Highway operational and capacity projects are intended to reduce “spot” delays at particular intersections and along particular roadways while better accommodating various highway users. Dedicated turn lanes, roundabouts, pedestrian crossings, and traffic signals are examples of these types of projects. If left unaddressed, operational and capacity problems may become safety problems as travelers adopt more aggressive behaviors. Capacity projects typically are large in scale and involve the construction of additional road lanes, turn lanes, and new roadway. Such projects are primarily developed based on the result of the County’s adopted Long-Range Transportation Plan. Between 2018 and 2022, \$47.6 million has been programmed for operational and capacity improvements. Of that amount, \$26.9 million is programmed from County funding sources.

County Highway Operational and Capacity Program	2018-2022 Programmed Costs	
County-Wide Traffic Counts	\$	315,000
County-Wide Signal Timing Review	\$	100,000
Lakewood and Miller Road Intersection	\$	1,900,000
Main Street Extension	\$	3,000,000
Northern McHenry Fox River Crossing	\$	500,000
Randall Road Operational and Capacity Changes	\$	41,583,000
Spring Grove Road Operational Improvements	\$	100,000
TOTALS	\$	47,598,000
Annual Average	\$	9,519,600



Figure 15: Randall and Algonquin Intersection

County-Wide Traffic Counts

<i>Title</i>	County-Wide Traffic Counts		<i>Municipality</i>	Various Municipalities						
<i>Worktype</i>	Planning		<i>Board District</i>	All Districts						
<i>Category</i>	Modernization		<i>Total Cost</i>	\$315,000						
<i>Lead Agency</i>	McHenry County DOT		<i>Website</i>	www.co.mchenry.il.us/county-government/departments-i-z/transportation/resources/traffic-counts						
<i>Project ID</i>	N/A									
<i>Limits</i>	McHenry County									
<i>Description</i>	This funding is for traffic counts to be taken on County Highways every two years. These traffic counts are posted on the County website at www.co.mchenry.il.us/county-government/departments-j-/transportation/resources/traffic-counts .									
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
County-wide	ENGR	County Option MFT	\$0	\$100,000	\$0	\$105,000	\$0	\$110,000	\$0	\$315,000
		<i>Total Engineering</i>	\$0	\$100,000	\$0	\$105,000	\$0	\$110,000	\$0	\$315,000
		Total Programmed		\$100,000	\$0	\$105,000	\$0	\$110,000		\$315,000

Total County Cost: \$315,000

County-Wide Signal Timing Study

<i>Title</i>	County-Wide Signal Timing Review		<i>Municipality</i>	Various Municipalities						
<i>Worktype</i>	Planning		<i>Board District</i>	All Districts						
<i>Category</i>	Modernization		<i>Total Cost</i>	\$200,000						
<i>Lead Agency</i>	McHenry County DOT		<i>Website</i>							
<i>Project ID</i>	N/A									
<i>Limits</i>	McHenry County									
<i>Description</i>	This funding is for a study of the County's traffic signal timing in an effort to optimize the performance of the transportation network.									
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
County-wide	ENGR	County Option MFT	\$0	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$200,000
		<i>Total Engineering</i>	\$0	\$100,000	\$0	\$0	\$100,000	\$0	\$0	\$200,000
		Total Programmed		\$100,000		\$100,000				\$200,000

Total County Cost: \$200,000

Lakewood Road and Miller Road Intersection Project

Title	Lakewood Road and Miller Road Intersection Improvements		
Worktype	Intersection	Municipality	Village of Lake in the Hills
Category	Modernization	Board District	District 5
Lead Agency	McHenry County DOT	Total Cost	\$1,900,000
Project ID	N/A	Website	N/A
Limits	Lakewood Road and Miller Road Intersection		
Description	This funding is for right of way acquisition and construction of operational improvements to the intersection of Miller Road and Lakewood Road in the Village of Lake in the Hills.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Lakewood and Miller	ENGR2	County Option MFT		\$200,000						\$200,000
		<i>Total Engineering 2</i>		\$200,000						\$200,000
	ROW	RTA Sales Tax			\$200,000					\$200,000
		<i>Total Right of Way</i>			\$200,000					\$200,000
	CONST	County Option MFT				\$1,500,000				\$1,500,000
		<i>Total Construction</i>				\$1,500,000				\$1,500,000
		Total Programmed		\$200,000	\$200,000	\$1,500,000				\$1,900,000

Total County Cost: \$1,900,000



Main Street Extension (West of Huntley) (TIP#11-00-0016)

Title	Main Street (Huntley) Extension		
Worktype	New Roadway	Municipality	Village of Huntley
Category	Expansion	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$3,000,000
Project ID	TIP # 11-00-0016	Website	N/A
Limits	Harmony Road to Main Street		
Description	This funding is to design and construct an extension of Main Street in Huntley west to connect with Harmony Road. Temporary signals were installed in 2014 at Marengo and Harmony Road and Marengo and Hemmer Road to address traffic operation concerns in this area.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Main Street Extension	ENGR2	RTA Sales Tax				\$500,000				\$500,000
		<i>Total Engineering 2</i>				\$500,000				\$500,000
	ROW	County Option MFT					\$500,000			\$500,000
		<i>Total Right of Way</i>					\$500,000			\$500,000
	CONST	County Option MFT						\$2,000,000	\$2,000,000	\$2,000,000
		<i>Total Construction</i>						\$2,000,000	\$2,000,000	\$2,000,000
		Total Programmed				\$500,000	\$500,000	\$2,000,000		\$3,000,000

Total County Cost: \$3,000,000

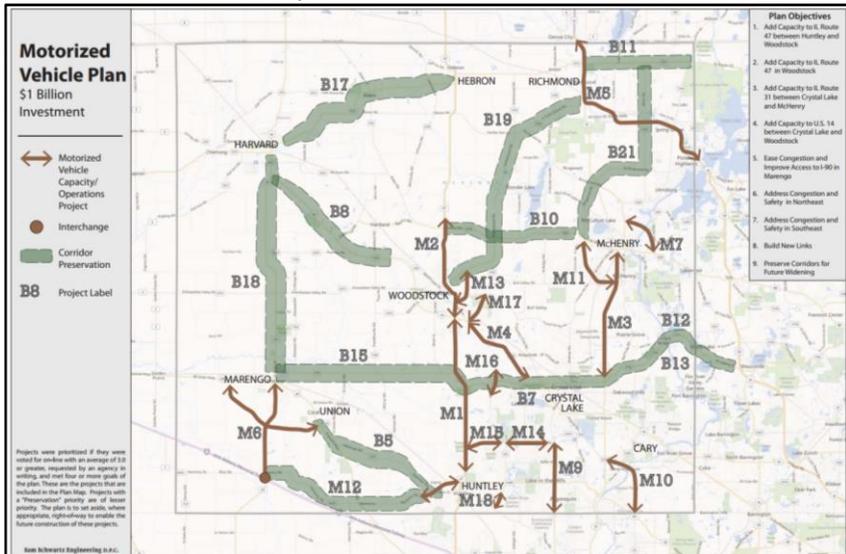


Northern McHenry Fox River Crossing

Title	Northern McHenry Fox River Crossing	Municipality	City of McHenry
Worktype	New Roadway	Board District	District 4
Category	Expansion	Total Cost	\$500,000
Lead Agency	McHenry County DOT	Website	N/A
Project ID	N/A		
Limits	Illinois Route 31 to Chapel Hill Road		
Description	This funding is to begin engineering for a crossing of the Fox River north of the City of McHenry and south of the Village of Johnsburg. This was identified as a high-priority project in the McHenry County 2040 Long-Range Transportation Plan (project M7) and would accommodate the expected increase in traffic resulting from the Route 53/120 Project in Lake County. Both the County of McHenry (2009) and the McHenry County Council of Governments (2016) have passed resolutions in support of the Illinois Route 53/120 Project, declaring that the project will benefit the citizens and businesses of McHenry County and those who travel through McHenry County into Lake County. Due to the Northern McHenry Fox River Crossing's large anticipated construction cost and the County's lack of financial resources for new roadway alignments and bridges, a toll would likely be needed to help pay for the construction and ongoing maintenance of the bridge facility.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
New Fox River Crossing	ENGR1	RTA Sales Tax						\$250,000		\$250,000
	ENGR1	Municipal Contribution						\$250,000		\$250,000
		Total Engineering 1						\$500,000		\$500,000
	ROW	RTA Sales Tax							\$500,000	\$0
		Total Right of Way							\$500,000	\$0
		Total Programmed						\$500,000		\$500,000

Total County Cost: \$250,000



MOTORIZED VEHICLE PROJECTS						
Label	Project Name	Project Costs (\$2013)	Votes	Agency	Goals	Priority
M1	Woodstock to Huntley Capacity, Operations, and Side Path (IL 47 from US 14 to Reed Road)	\$104,800,000	Yes	Yes	Yes	High
M2	Woodstock Traffic Circulation (IL 47 from US 14 to Charles Road)	\$94,900,000	Yes	Yes	Yes	High
M3	Crystal Lake to McHenry Capacity, Operations, and Side Path (IL 31)	\$101,100,000	Yes	Yes	Yes	High
M4	Crystal Lake to Woodstock Capacity, Operations, and Side Path (US 14)	\$75,700,000	Yes	Yes	Yes	High
M5	Richmond to Fox Lake Capacity, Operations, and Side Path (US 12)	\$125,800,000	Yes	Yes	Yes	High
M6	Marengo Access to Interstate 90, South Bypass, IL 23 Intersections	\$83,900,000	Yes	Yes	Yes	High
M7	North McHenry Fox River Crossing from Chapel Hill to IL 31	\$47,000,000	Yes	Yes	Yes	High
M8	Ringwood Road and Spring Grove Road Corridor Preservation	\$5,100,000	Yes	Yes	Yes	High
M9	Randall Road Commercial Center Development (Add Capacity for Motorists, Bicycles, Pedestrians, and Transit Users)	\$90,800,000	No	Yes	Yes	Medium
M10	North Algonquin Fox River Crossing	\$76,500,000	Yes	No	Yes	Medium
M11	New Congestion Mitigation Route Southwest of McHenry	\$51,300,000	Yes	No	Yes	Medium
M12	New Southern Arterial from IL 23 to IL 47	\$62,600,000	No	Yes	Yes	Medium
M13	Zimmerman Road Extension from Country Club Road to IL 120 in Woodstock	\$8,500,000	Yes	No	Yes	Medium
M14	Ackman Road Mixed Residential and Commercial Development	\$32,300,000	Yes	Yes	No	Medium
M15	Ackman Road and Miller Road Extension to IL 47	\$10,200,000	Yes	Yes	No	Medium
M16	Mt. Thabor/Halligan and IL 176 Connectivity	\$7,500,000	Yes	Yes	No	Medium
M17	Industrial Park Connection between McConnell Road and US 14	\$18,600,000	Yes	No	No	Low
M18	Extension from Lakewood Road to Huntley Dundee Road	\$6,800,000	No	Yes	No	Low
B5	Marengo Road Corridor Preservation from US 20 to Main Street*	\$0	Yes	Yes	Yes	Preservation
B7,B12,B13,B15	IL 176 Corridor Preservation from IL 23 to IL 124*	\$0	Yes	Yes	Yes	Preservation
B8	US 14 Corridor Preservation from IL 120 to IL 23*	\$0	Yes	No	Yes	Preservation
B11&B17	IL 173 Corridor Preservation from IL 23 to IL 47 and East of US 124*	\$0	Yes	No	Yes	Preservation
B18	IL 23 Corridor Preservation from IL 176 to US 14*	\$0	Yes	No	No	Preservation

Randall Road Operational and Capacity Changes (TIP#11-03-0018)

Title	Randall Road Operational and Capacity Changes			Municipality	Villages of Lake in the Hills and Algonquin					
Worktype	Add Lanes			Board District	District 1 and District 2					
Category	Expansion			Total Cost	\$41,583,000					
Lead Agency	McHenry County DOT			Website	http://www.randallroad.info/					
Project ID	TIP # 11-03-0018									
Limits	Harnish Drive to Acorn Lane/Polaris Drive									
Description	This project is to be constructed in two major segments (from South to North): 1) Harnish Drive to Acorn Lane/Polaris Drive, including the Randall/Algonquin intersection; and 2) Acorn Lane/Polaris Drive to Ackman Road; The total cost for the entire project (Harnish Drive to Ackman Road) is projected to be \$97 million. To date, \$20 million has been committed for engineering and land acquisition. As the current cost estimates are beyond the County's ability to fund the entire project, \$52.25 million in funding has been identified in this program to construct the southern segment between Harnish Drive and Acorn Lane/Polaris Drive, including the Randall/Algonquin intersection. \$10.6 million in Congestion Mitigation and Air Quality (CMAQ) funds from the Federal Highway Administration have been granted to fund the intersection work at Algonquin Road. In addition, \$9 million in Federal STP-C funds have been directed towards this project (a total of \$19.6 million from Federal sources). The northern segment is anticipated to cost an additional \$27.3 million and is not included in this program.									
Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Randall Road	ENGR1	MFT	\$1,300,470							\$0
	ENGR1	Federal Funds	\$1,565,723							\$0
		Total Engineering 1	\$2,866,193							\$0
	ENGR2	County MFT	\$2,500,000							\$0
	ENGR2	RTA Sales Tax	\$6,600,000							\$0
		Total Engineering 2	\$9,100,000							\$0
	ROW	County Option MFT	\$8,000,000							\$0
	ROW	County Matching	\$4,750,000							\$0
	ROW	RTA Sales Tax	\$5,750,000						\$7,000,000	\$0
		Total Right of Way	\$18,500,000						\$7,000,000	\$0
	CONST	RTA Sales Tax		\$6,500,000	\$2,114,542	\$1,500,000			\$18,400,000	\$10,114,542
	CONST	County Option MFT			\$5,000,000					\$5,000,000
	CONST	County Matching				\$2,000,000				\$2,000,000
	CONST	Federal CMAQ		\$6,583,000	\$4,000,000					\$10,583,000
	CONST	Federal STP - C		\$9,885,458						\$9,885,458
		Total Construction		\$22,968,458	\$11,114,542	\$3,500,000			\$18,400,000	\$37,583,000
	CE	County Option MFT	\$500,000							\$0
	CE	RTA Sales Tax		\$2,000,000	\$1,500,000	\$500,000			\$1,900,000	\$4,000,000
		Total Construction Engineering	\$500,000	\$2,000,000	\$1,500,000	\$500,000			\$1,900,000	\$4,000,000
		Total Programmed		\$24,968,458	\$12,614,542	\$4,000,000				\$41,583,000

Total County Cost: \$21,114,542

Total Federal Share: \$20,468,458

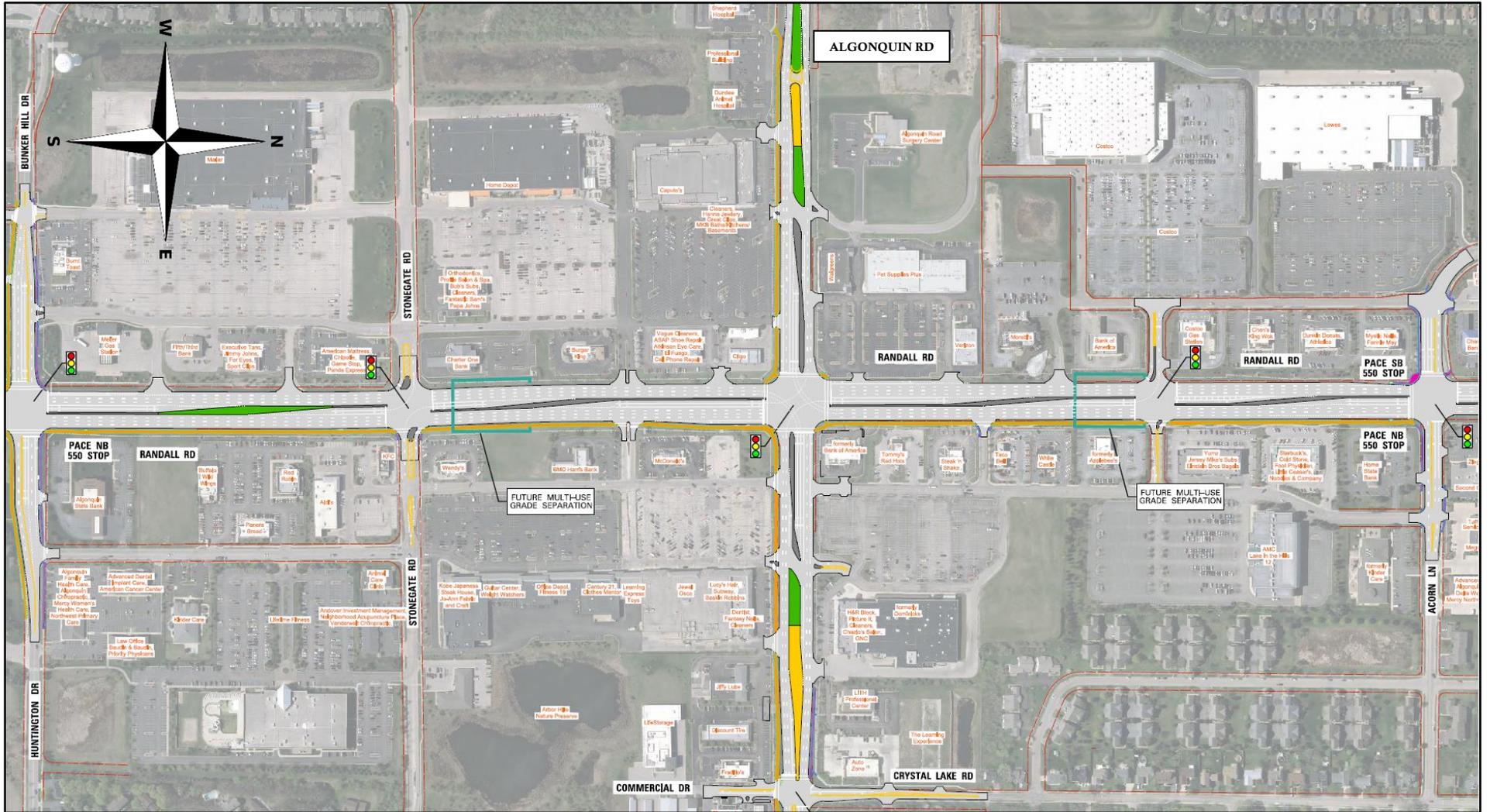


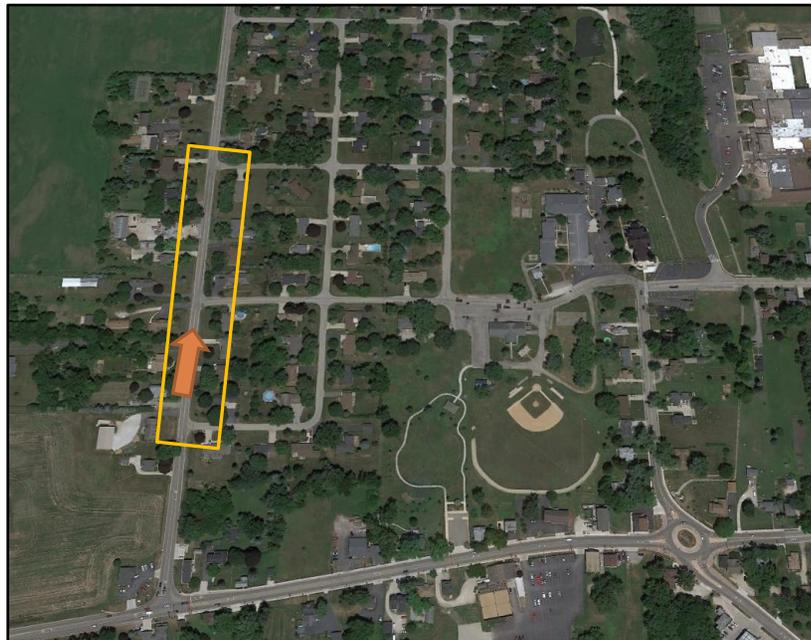
Figure 16: Randall Road Widening Project (Harnish Drive to Acorn/Polaris Drive)

Spring Grove Road Operational Improvements

Title	Spring Grove Road Operational Improvements		Municipality	Village of Johnsburg
Worktype	Intersection		Board District	District 4
Category	Modernization		Total Cost	\$100,000
Lead Agency	Village of Johnsburg		Website	N/A
Project ID	TIP # 11-15-0007			
Limits	Spring Grove Road, between Olive Avenue and St. Francis Avenue			
Description	This project is part of the Village of Johnsburg's Church Street project and will add a center left turn lane to Spring Grove Road between Olive and St. Francis.			

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Spring Grove Road	ROW	RTA Sales Tax					\$100,000			\$100,000
		<i>Total Right of Way</i>					\$100,000			\$100,000
	CONST	County Option MFT							\$300,000	\$0
		<i>Total Construction</i>							\$300,000	\$0
		Total Programmed								\$100,000

Total County Cost: \$100,000



7. State Highway Program

Operational and capacity changes to the County Highway system are best realized when coordinated with other improvements to the transportation network. In particular, the State Highways form the backbone of McHenry County's transportation network and are therefore vital to the efficient movement of goods and persons throughout the County. Between 2018 and 2022, \$43 million has been programmed for State Highway improvements. Of that amount, \$6.9 million is programmed from County sources.

State Highway Program	2018-2022 Programmed Costs
Illinois Route 23 and I-90 Jane Addams Interchange Project	\$30,590,000
Illinois Route 23 and Coral Road Intersection Project	\$462,300
Illinois Route 173 and Wilmot Road Intersection Project	\$1,450,000
Illinois Route 176 and Roberts Road Intersection Project	\$975,000
U.S. Route 20 and Harmony Road Intersection Project	\$2,750,000
U.S. Route 20 at W. Union/Coral/Marengo/Union/Beck Intersections	\$4,620,000
U.S. Route 14 and Virginia Road Intersection Project	\$2,137,131
TOTALS	\$42,984,431
Annual Average	\$8,596,886

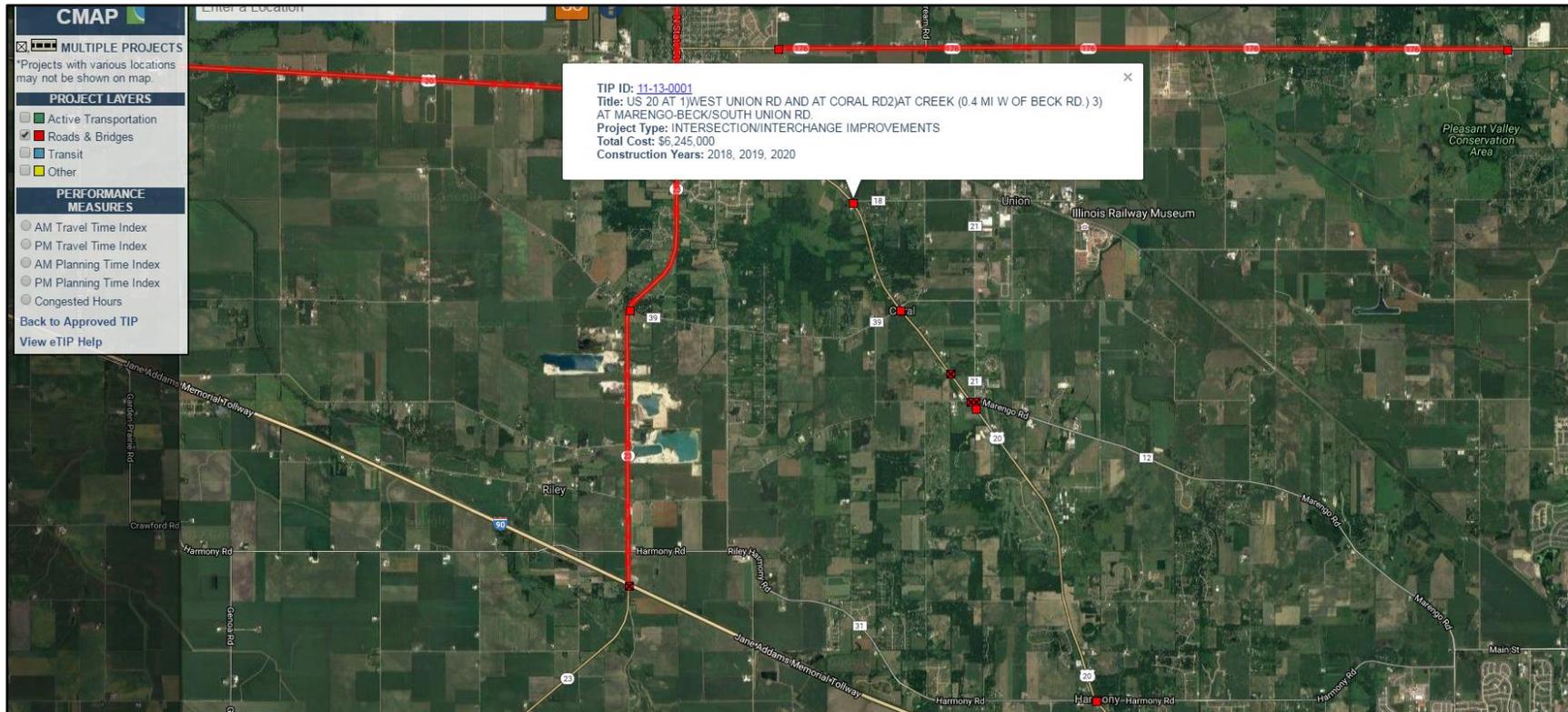


Figure 17: State Projects in the Region's TIP

Illinois Route 23 and I-90 Interchange Project

Title	Illinois Route 23 and Interstate 90 Interchange Project		
Worktype	Interchange	Municipality	City of Marengo
Category	Expansion	Board District	District 6
Lead Agency	McHenry County DOT	Total Cost	\$30,590,000
Project ID	TIP # 09-16-0041	Website	https://www.illinoistollway.com/projects/jane-addams/illinois-route-23-bridge-project
Limits	Harmony Road to Coon Creek Road		
Description	<p>This funding from McHenry County is for the local portion of total costs to add an interchange at Illinois State Route 23 and the Jane Addams Memorial Tollway (I-90) in the City of Marengo. The cost share arrangement is laid out in the Illinois Tollway Interchange and Roadway Cost Share Policy. The total cost of \$39.1 million includes the cost of replacing the bridge over I-90 as well as the cost of adding interchange ramps. This project will also add a roundabout at the intersection of Illinois State Route 23 and Harmony Road, just north of the interchange location. The City of Marengo has committed to repaying McHenry County for its share of the interchange costs through a value capture mechanism, which will be defined in the upcoming intergovernmental agreement between the partner agencies. Once built, the interchange will increase traffic traveling along Illinois Route 23 both north and south of I-90. As identified in the McHenry County 2040 Long Range Transportation Plan, it is therefore imperative that the Illinois Route 23 corridor is planned and developed as a regional thoroughfare, allowing for the efficient movement of people and goods throughout McHenry County. This would include a bypass of the City of Marengo (project M6 in the Plan) and preservation of right of way along the Illinois Route 23 corridor between the Cities of Marengo and Harvard (project B18 in the Plan).</p>		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
IL23 & I-90 Interchange	PRE ENGR	City of Marengo	\$300,000							\$0
	ENGR1	County Option MFT	\$1,680,667							\$0
		Total Engineering 1	\$1,980,667							\$0
	ENGR2	County Matching	\$190,743	\$876,000	\$200,000					\$1,076,000
		Total Engineering 2	\$190,743	\$876,000	\$200,000					\$1,076,000
	ROW	RTA Sales Tax		\$1,200,000	\$1,000,000					\$2,200,000
		Total Right of Way		\$1,200,000	\$1,000,000					\$2,200,000
	CONST	RTA Sales Tax			\$3,086,000					\$3,086,000
	CONST	State of Illinois			\$8,076,000					\$8,076,000
	CONST	Illinois Tollway Authority	\$6,873,730		\$16,152,000					\$16,152,000
		Total Construction	\$6,873,730		\$27,314,000					\$27,314,000
		Total Programmed		\$2,076,000	\$28,514,000					\$30,590,000

Total County Cost: \$6,362,000

Total State of Illinois Share: \$8,076,000

Total Illinois Tollway Share: \$16,152,000



Figure 18: Proposed I-90 and IL 23 Interchange and Roundabout at IL 23 and Harmony Road

Coral Road at Illinois Route 23 Intersection Project (TIP#11-12-0012)

Title	Coral Road at Illinois Route 23 Intersection Project			Municipality	City of Marengo		
Worktype	Intersection			Board District	District 6		
Category	Modernization			Total Cost	\$462,300		
Lead Agency	Illinois Department of Transportation			Website	N/A		
Project ID	TIP # 11-12-0012						
Limits	Coral Road at Illinois Route 23						
Description	This funding is to pay for the County's portion of the proposed traffic signal improvements to be made to the intersection of Illinois Route 23 and Coral Road in the City of Marengo.						

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
IL23 & Coral Road	ENGR	State of Illinois	\$39,000							\$0
		<i>Total Engineering</i>	\$39,000							\$0
	CONST	County Option MFT		\$11,845						\$11,845
	CONST	City of Marengo		\$19,895						\$19,895
	CONST	State of Illinois		\$67,160						\$67,160
	CONST	Federal NHPP		\$363,400						\$363,400
		<i>Total Construction</i>		\$462,300						\$462,300
		Total Programmed		\$462,300						\$462,300

Total County Cost: \$11,845

Total Federal Share: \$363,400

Total State of Illinois Share: \$67,160

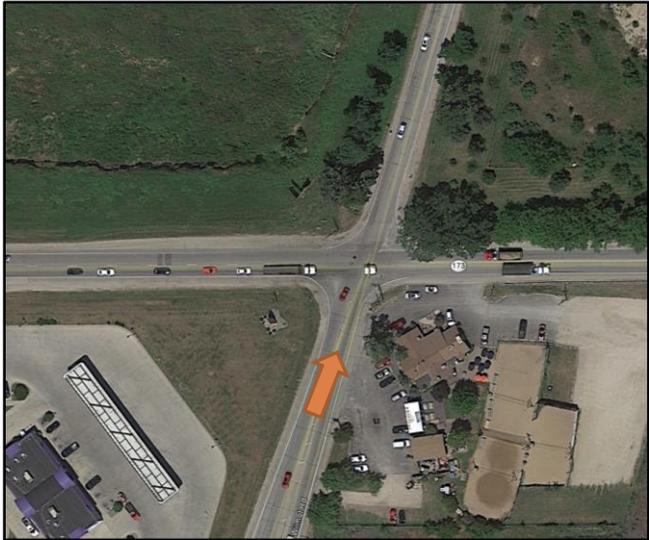


Illinois Route 173 and Wilmot Road Intersection Project (TIP#11-09-0059)

Title	Illinois Route 173 and Wilmot Road Intersection Project		
Worktype	Intersection	Municipality	Fox Lake
Category	Modernization	Board District	District 4
Lead Agency	Illinois Department of Transportation		
Project ID	TIP # 11-09-0059	Total Cost	\$1,450,000
Limits	Illinois Route 173 and Wilmot Road		
Description	This funding is to pay for the County's portion of the improvements proposed to be made to the intersection of Illinois Route 173 and Wilmot Road. Currently it is a four-way stop controlled intersection.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
IL173 and Wilmot Rd	ROW	State of Illinois	\$330,000							\$0
		<i>Total Right of Way</i>	\$330,000							\$0
	CONST	County MFT			\$40,000					\$40,000
	CONST	State of Illinois			\$282,000					\$282,000
	CONST	Federal NHPP			\$1,128,000					\$1,128,000
		<i>Total Construction</i>			\$1,450,000					\$1,450,000
		Total Programmed			\$1,450,000					\$1,450,000

Total County Cost: \$40,000 Total Federal Share: \$1,128,000 Total State of Illinois Share: \$282,000



Illinois Route 176 and Roberts Road Intersection Project (TIP#10-14-0021)

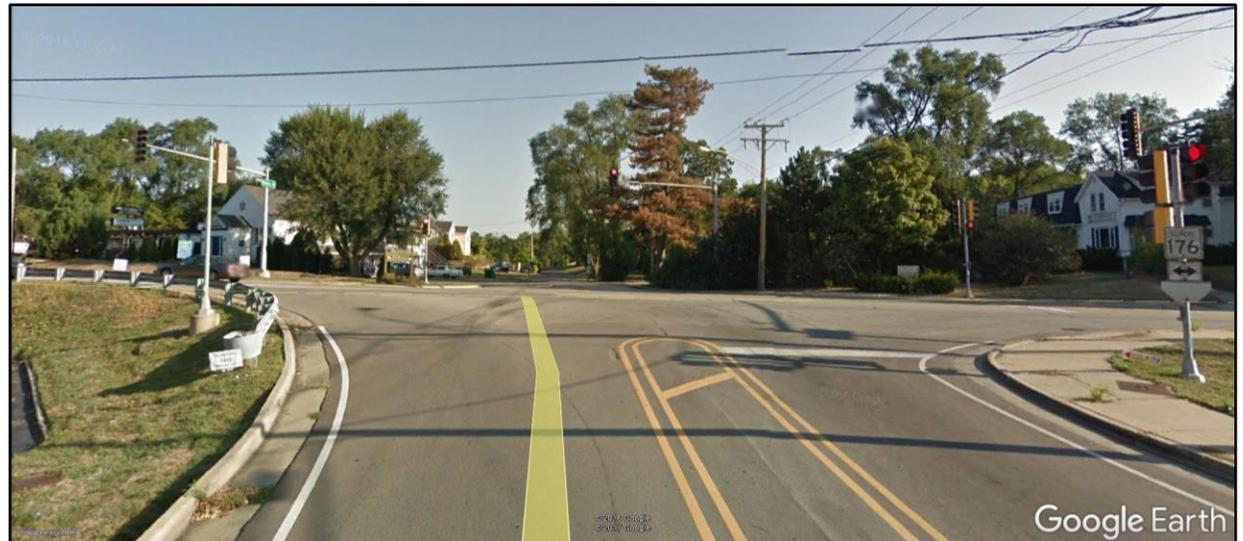
Title	Illinois Route 176 and Roberts Road Intersection Project		
Worktype	Intersection	Municipality	Island Lake
Category	Modernization	Board District	District 3
Lead Agency	Illinois Department of Transportation	Total Cost	\$975,000
Project ID	TIP # 10-14-0021	Website	N/A
Limits	Illinois Route 176 and Roberts Road		
Description	This funding is to pay for the County's portion of the improvements proposed to be made to the intersection of Illinois Route 176 and Roberts Road (including retaining wall).		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
IL176 and Roberts Road	ROW	State of Illinois	\$20,000							\$0
	ROW	Federal CMAQ	\$80,000							\$0
		Total Right of Way	\$100,000							\$0
	CONST	RTA Sales Tax			\$50,000					\$50,000
	CONST	State of Illinois			\$145,000					\$145,000
	CONST	Federal NHPP			\$780,000					\$780,000
		Total Construction			\$975,000					\$975,000
		Total Programmed			\$975,000					\$975,000

Total County Cost: \$50,000

Total Federal Share: \$780,000

Total State of Illinois Share: \$145,000



U.S. Route 20 and Harmony Road Intersection Project (TIP#11-09-0045)

Title	U.S. Route 20 and Harmony Road Intersection Project		
Worktype	Intersection	Municipality	Unincorporated Coral Township
Category	Modernization	Board District	District 6
Lead Agency	Illinois Department of Transportation		
Project ID	TIP # 11-09-0045	Total Cost	\$2,750,000
Limits	U.S. 20 and Harmony Road		
Description	This funding is to pay for the County's portion of the improvements to U.S. Route 20 and Harmony Road. The Illinois Department of Transportation is planning to install a roundabout at this location in 2018 to improve the safety of the intersection and allow for more efficient traffic flow.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
U.S. Route 20 at Harmony	ROW	State of Illinois	\$76,000	\$400,000						\$400,000
	ROW	Federal HSIP	\$1,134,000							\$0
	ROW	County MFT	\$50,000							\$0
		Total Right of Way	\$1,260,000	\$400,000						\$400,000
	CONST	County MFT		\$40,000						\$40,000
	CONST	State of Illinois		\$231,000						\$231,000
	CONST	Federal HSIP		\$2,079,000						\$2,079,000
		Total Construction		\$2,350,000						\$2,350,000
		Total Programmed		\$2,750,000						\$2,750,000

Total County Cost: \$40,000

Total Federal Share: \$2,079,000

Total State of Illinois Share: \$631,000



U.S. Route 20 at West Union Road, Coral Road, and Marengo/Union/Beck (TIP#11-13-0001)

Title	US 20 at 1)West Union Rd and at Coral Rd2)At Creek (0.4 MI W of Beck Rd.) 3) At Marengo-Beck/South Union Road		
Worktype	Intersection	Municipality	Unincorporated Coral Township
Category	Modernization	Board District	District 6
Lead Agency	Illinois Department of Transportation		Total Cost \$4,620,000 http://www.idot.illinois.gov/projects/US20-at-Marengo
Project ID	TIP # 11-13-0001	Website	http://www.idot.illinois.gov/projects/US20-at-Marengo
Limits	Along US 20 1) at West Union Rd and 2) at Coral From Coral Rd Grant Highway Bridge and 3) Marengo/Beck/South Union		
Description	This funding is to pay for the County's portion of the improvements made to U.S. Route 20 at 1) West Union Rd and at Coral Rd2) At Creek (0.4 MI W of Beck Rd.) 3) At Marengo-Beck/South Union Road. The Illinois Department of Transportation is looking at installing roundabouts at several of these intersections for safety and operational improvements.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
U.S. Route 20 Intersections	ENGR2	State of Illinois	\$250,000	\$420,000						\$420,000
		Total Engineering 2	\$250,000	\$420,000						\$420,000
	ROW	Federal HSIP	\$1,044,000							\$0
	ROW	State of Illinois	\$331,000							\$0
		Total Right of Way	\$1,375,000							\$0
	CONST	Federal HSIP		\$1,350,000		\$1,790,000				\$3,140,000
	CONST	State of Illinois		\$150,000	\$160,000	\$199,000				\$509,000
	CONST	County MFT				\$11,000				\$11,000
	CONST	Federal NHPP			\$540,000					\$540,000
		Total Construction		\$1,500,000	\$700,000	\$2,000,000				\$4,200,000
		Total Programmed		\$1,920,000	\$700,000	\$2,000,000				\$4,620,000

Total County Cost: \$11,000

Total Federal Share: \$3,680,000

Total State of Illinois Share: \$929,000



U.S. Route 14 and Virginia Road Intersection Signalization Project

Title	U.S. 14 and Virginia Road Intersection Project		
Worktype	Intersection	Municipality	City of Crystal Lake
Category	Modernization	Board District	District 2
Lead Agency	City of Crystal Lake	Total Cost	\$2,137,131
Project ID	TIP # 11-18-4287	Website	N/A
Limits	Intersection of U.S. 14 and Virginia Road		
Description	This project will add an additional left turn lane on Virginia Road, an additional eastbound right turn lane on Route 14, upgrade the traffic signal equipment and provide pedestrian accommodations where feasible. The City of Crystal Lake has applied for Federal Congestion, Mitigation and Air Quality (CMAQ) funding in 2017 to pay for 80% of the cost of construction. CMAQ funding will be awarded in October, 2017.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
U.S. 14 and Virginia Road	ENGR1	City of Crystal Lake	\$24,000							\$24,000
	ENGR1	RTA Sales Tax	\$24,000							\$24,000
		Total Engineering 1	\$48,000							\$48,000
	ENGR2	City of Crystal Lake		\$72,000						\$72,000
	ENGR2	RTA Sales Tax		\$72,000						\$72,000
		Total Engineering 2		\$144,000						\$144,000
	CONST	City of Crystal Lake		\$90,657	\$90,657					\$181,313
	CONST	RTA Sales Tax		\$90,657	\$90,657					\$181,313
	CONST	Federal CMAQ Funding		\$725,253	\$725,253					\$1,450,505
		Total Construction		\$906,566	\$906,566					\$1,813,131
	CE	City of Crystal Lake		\$45,000	\$45,000					\$90,000
	CE	RTA Sales Tax		\$45,000	\$45,000					\$90,000
		Total Construction Engineering		\$90,000	\$90,000					\$180,000
		Total Programmed		\$1,140,566	\$996,566					\$2,137,131

Total County Cost: \$343,313

City of Crystal Lake Share: \$343,313

Federal CMAQ Funding: \$1,450,505



8. Bicycle, Pedestrian, and Transit Program

Bus and commuter rail operations in McHenry County provide efficient connections to the metropolitan region. These operations also provide much needed transportation services to those living in the County. To date, many of these needs remain unmet. As indicated in the County's *2040 Plan*, the lack of sidewalks and comfortable bicycle accommodations present a great challenge for transit operations in the County. Between 2018 and 2022, \$19.6 million is programmed for bicycle, pedestrian, and transit projects (\$9.6 million from County sources) to improve bicycle and pedestrian accessibility and access to transit services.

Bicycle, Pedestrian, and Transit Program Summary	2018-2022 Programmed Costs
Bull Valley Road Bike Path	\$1,707,500
Lakewood Road Bike Path	\$1,975,000
MCRide Dial-a-Ride Pace Contract	\$10,350,000
Metra Service Enhancements	\$4,000,000
Rakow Road Bike Path	\$200,000
U.S. 14 and Kishwaukee Valley Road Crossing	\$910,000
Volunteer Driver and Transit Enhancement Program	\$465,000
TOTAL	\$19,607,500
Annual Average	\$3,921,500



Bull Valley Road Shared-Use Path

Title	Bull Valley Road Shared-Use Path		
Worktype	Shared-Use Path	Municipality	City of McHenry
Category	Modernization	Board District	District 3
Lead Agency	McHenry County DOT	Total Cost	\$1,707,500
Project ID	N/A	Website	N/A
Limits	Prairie Trail to Illinois Route 31		
Description	This project will add a shared-use path along Bull Valley Road from the Prairie Trail to Illinois Route 31 in the City of McHenry. This project would also install a pedestrian crossing of the Union Pacific Railroad just east of the Prairie Trail. Federal Transportation Alternatives Program (TAP) and/or State Illinois Transportation Enhancement Program (ITEP) funding will be pursued to reduce the local cost of construction and construction engineering by 80%.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Bull Valley Road Path	ENGR1	City of McHenry		\$37,500						\$37,500
	ENGR1	RTA Sales Tax		\$150,000						\$150,000
	<i>Total Engineering 1</i>			\$187,500						\$187,500
	ENGR2	City of McHenry			\$30,000					\$30,000
	ENGR2	RTA Sales Tax			\$120,000					\$120,000
	<i>Total Engineering 2</i>				\$150,000					\$150,000
	ROW	City of McHenry				\$10,000				\$10,000
	ROW	RTA Sales Tax				\$40,000				\$40,000
	<i>Total Right of Way</i>					\$50,000				\$50,000
	CONST	City of McHenry					\$120,000	\$120,000		\$240,000
	CONST	RTA Sales Tax					\$480,000	\$480,000		\$960,000
	<i>Total Construction</i>						\$600,000	\$600,000		\$1,200,000
	CE	City of McHenry					\$12,000	\$12,000		\$24,000
	CE	RTA Sales Tax					\$48,000	\$48,000		\$96,000
	<i>Total Construction Engineering</i>						\$60,000	\$60,000		\$120,000
	Total Programmed			\$187,500	\$150,000	\$50,000	\$660,000	\$660,000		\$1,707,500

Total County Cost: \$1,366,000 City of McHenry - Local Share: \$341,500 *Potential Federal Funding: \$1,056,000

Lakewood Road Shared-Use Path

Title	Lakewood Road Shared-Use Path									
Worktype	Shared-Use Path									
Category	Modernization									
Lead Agency	McHenry County DOT									
Project ID	N/A									
Limits	Algonquin Road to Ackman Road									
Description	This project will add a shared-use path along the east side of Lakewood Road from Algonquin Road to Ackman Road in the Village of Lake in the Hills. Federal Transportation Alternatives Program (TAP) and/or State Illinois Transportation Enhancement Program (ITEP) funding will be pursued to reduce the local cost of construction and construction engineering by 80%.									
Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Lakewood Road Path	ENGR1	Lake in the Hills		\$125,000						\$125,000
	ENGR1	County Matching Fund		\$500,000						\$500,000
		<i>Total Engineering 1</i>		\$625,000						\$625,000
	ENGR2	Lake in the Hills			\$40,000					\$40,000
	ENGR2	RTA Sales Tax			\$160,000					\$160,000
		<i>Total Engineering 2</i>			\$200,000					\$200,000
	ROW	Lake in the Hills			\$10,000					\$10,000
	ROW	RTA Sales Tax			\$40,000					\$40,000
		<i>Total Right of Way</i>			\$50,000					\$50,000
	CONST	Lake in the Hills				\$200,000				\$200,000
	CONST	RTA Sales Tax				\$800,000				\$800,000
		<i>Total Construction</i>				\$1,000,000				\$1,000,000
	CE	Lake in the Hills				\$20,000				\$20,000
	CE	RTA Sales Tax				\$80,000				\$80,000
		<i>Total Construction Engineering</i>				\$100,000				\$100,000
		Total Programmed		\$625,000	\$250,000	\$1,100,000				\$1,975,000

Total County Cost: \$1,580,000

Village of Lake in the Hills Share: \$395,000

*Potential Federal Funding: \$880,000

MCRide Dial-a-Ride Pace Contract

Title	MCRide Dial-a-Ride Pace Contract		
Worktype	Paratransit	Municipality	Various Municipalities
Category	Expansion	Board District	All Board Districts
Lead Agency	Pace Suburban Bus	Total Cost	\$10,350,000
Project ID	TIP # 13-14-0014 (Section 5310)	Website	www.co.mchenry.il.us/county-government/departments-j-z/transportation/transit-services/mcride-dial-a-ride
Limits	MCRide Service Area		
Description	MCRide service is a demand-response transit operation in and between the Cities of Crystal Lake, McHenry, Woodstock, Huntley, Marengo, Harvard, Ringwood, Richmond and Johnsburg, as well as the townships of Dorr, Greenwood, Nunda, McHenry, Grafton, Richmond Marengo and Riley. In 2016, over 101,000 total trips were taken by approximately 3,000 individuals. Grants (\$335,000 in federal Section 5310, and \$170,000 in County Senior Services Grant funds) were used to offset operational costs. More information regarding this program can be found at www.co.mchenry.il.us/county-government/departments-j-z/transportation/transit-services/mcride-dial-a-ride .		

Project	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
MCRide										
Dial-a-Ride	TRAN	Rider Fares	\$170,000	\$175,000	\$185,000	\$190,000	\$195,000	\$200,000	\$205,000	\$945,000
	TRAN	Pace Suburban Bus Subsidy	\$840,000	\$860,000	\$880,000	\$900,000	\$920,000	\$940,000	\$960,000	\$4,500,000
	TRAN	Federal Section 5310 Funding	\$360,000	\$425,000	\$440,000	\$460,000	\$480,000	\$500,000	\$500,000	\$2,305,000
	TRAN	Municipalities and Townships	\$220,759	\$230,000	\$240,000	\$250,000	\$260,000	\$270,000	\$280,000	\$1,250,000
	TRAN	County Senior Services Grant	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	TRAN	RTA Sales Tax	\$165,000	\$270,000	\$270,000	\$270,000	\$270,000	\$270,000	\$270,000	\$1,350,000
		Total Public Transportation	\$1,800,759	\$1,960,000	\$2,015,000	\$2,070,000	\$2,125,000	\$2,180,000	\$2,215,000	\$10,350,000
		Total Programmed		\$1,960,000	\$2,015,000	\$2,070,000	\$2,125,000	\$2,180,000		\$10,350,000

Total County Cost: \$1,350,000

Total Federal Share: \$2,305,000

Total Pace Bus Share: \$4,500,000

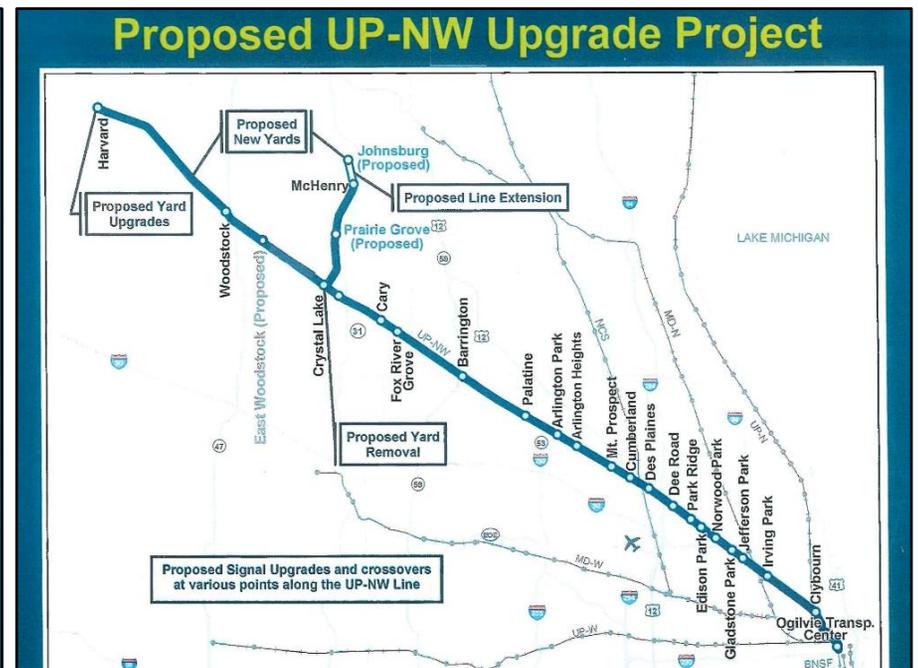


Metra Service Enhancements

Title	Metra Service Enhancements				Municipality	All Municipalities					
Worktype	Public Transportation				Board District	All Board Districts					
Category	Expansion				Total Cost	\$4,000,000					
Lead Agency	McHenry County DOT				Website	https://metrarail.com/sites/default/files/assets/about-metra/studies/up-nw_aa_final_report_october2007.pdf					
Project ID	TIP # 18-07-0670										
Limits	Metra Union Pacific Northwest (UP-NW) Line										
Description	The McHenry County 2040 Long Range Transportation Plan identified the upgrades of the Union Pacific Northwest Metra line to be the highest priority project in the Plan. With that in mind, any eventual service expansion by Metra will require significant local (State, County, Municipal) funding to match Federal funds for the project. An investment of \$4,000,000 in 2022 represents the first annual down payment towards a total County contribution of \$20,000,000. Together with additional funds from Cook County, the City of Chicago and other municipalities along the Metra line, as well as a contribution from the State of Illinois, a large local match can be used to leverage the necessary Federal funds to complete the project. A description of the UP-NW Line New Starts Project is shown below.										
Project	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total	
Metra Service Enhancements	TRAN	RTA Sales Tax						\$4,000,000	\$16,000,000	\$4,000,000	
		Total Transportation						\$4,000,000	\$16,000,000	\$4,000,000	
		Total Programmed						\$4,000,000		\$4,000,000	

UP-NW Line New Start Project Improvements

- **Yards**
 - Provide new layover yard facilities at Woodstock and Johnsburg
 - Modernized facilities for cleaning, washing, inspection, and servicing of toilets
- **Stations**
 - Johnsburg, Prairie Grove & East Woodstock
 - Other station improvements to accommodate increases in passenger boardings
- **Increase rail rolling stock fleet to support increased service**
- **Signals**
 - Signalize the entire McHenry Branch
 - Improved signals on other parts of the line
- **Schedule**
 - Increase from 17 to 24 trains in peak for CBD-bound riders
 - Increase from 4 to 8 reverse commute trains
 - 7.5 minutes average peak frequency (11 min. existing)
- **Other**
 - 35% increase in capacity
 - Employer shuttles at several stations for the “last mile”



Rakow Road Bike Path

Title	Rakow Road Bike Path		
Worktype	Bike Path	Municipality	City of Crystal Lake and Village of Lake in the Hills
Category	Modernization	Board District	District 2
Lead Agency	McHenry County DOT	Total Cost	\$200,000
Project ID	N/A	Website	N/A
Limits	Ackman Road to Pyott Road		
Description	This project will add a bike path along Rakow Road from Ackman Road to the Prairie Trail. Federal Transportation Alternatives Program (TAP) and/or State Illinois Transportation Enhancement Program (ITEP) funding will be pursued to reduce the local cost of construction and construction engineering by 80%.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Rakow Road Bike Path	ENGR1	City of Crystal Lake					\$10,000			\$10,000
	ENGR1	Village of Lake in the Hills					\$10,000			\$10,000
	ENGR1	RTA Sales Tax					\$80,000			\$80,000
		<i>Total Engineering 1</i>					\$100,000			\$100,000
	ENGR2	City of Crystal Lake						\$10,000		\$10,000
	ENGR2	Village of Lake in the Hills						\$10,000		\$10,000
	ENGR2	RTA Sales Tax						\$80,000		\$80,000
		<i>Total Engineering 2</i>						\$100,000		\$100,000
	CONST	City of Crystal Lake							\$100,000	\$0
	CONST	Village of Lake in the Hills							\$100,000	\$0
	CONST	RTA Sales Tax							\$800,000	\$0
		<i>Total Construction</i>							\$1,000,000	\$0
	CE	City of Crystal Lake							\$10,000	\$0
	CE	Village of Lake in the Hills							\$10,000	\$0
	CE	RTA Sales Tax							\$80,000	\$0
		<i>Total Construction Engineering</i>							\$100,000	\$0
		Total Programmed					\$100,000	\$100,000		\$200,000

Total County Cost: \$160,000

Total Municipal Share: \$40,000

*Potential Federal Funding: \$880,000

U.S. 14 and Kishwaukee Valley Road Pedestrian Crossing

Title	U.S. 14 & Kishwaukee Valley Road Pedestrian Crossing		Municipality	City of Woodstock						
Worktype	Bike Path		Board District	District 5 and District 6						
Category	Modernization		Total Cost	\$910,000						
Lead Agency	City of Woodstock		Website	N/A						
Project ID	N/A									
Limits	Intersection of U.S. 14 and Kishwaukee Valley Road									
Description	This project will add a safe pedestrian crossing at the intersection of U.S. 14 and Kishwaukee Valley Road in the City of Woodstock. Heavy pedestrian traffic crossing at this location can be attributed to the Pioneer Center PADS shelter located just west of the target intersection.									
Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
U.S. 14 and Kishwaukee	ENGR1	City of Woodstock				\$20,000				\$20,000
	ENGR1	RTA Sales Tax				\$80,000				\$80,000
	<i>Total Engineering 1</i>					\$100,000				\$100,000
	ENGR2	City of Woodstock					\$20,000			\$20,000
	ENGR2	RTA Sales Tax					\$80,000			\$80,000
	<i>Total Engineering 2</i>						\$100,000			\$100,000
	ROW	City of Woodstock					\$10,000			\$10,000
	ROW	RTA Sales Tax					\$40,000			\$40,000
	<i>Total Right of Way</i>						\$50,000			\$50,000
	CONST	City of Woodstock						\$120,000		\$120,000
	CONST	RTA Sales Tax						\$480,000		\$480,000
	<i>Total Construction</i>							\$600,000		\$600,000
	CE	City of Woodstock						\$12,000		\$12,000
	CE	RTA Sales Tax						\$48,000		\$48,000
	<i>Total Construction Engineering</i>							\$60,000		\$60,000
	Total Programmed					\$100,000	\$150,000	\$660,000		\$910,000

Total County Cost: \$728,000

City of Woodstock Share: \$182,000

Volunteer Driver and Transit Enhancement Program

Title	Volunteer Driver and Transit Enhancement Program		Municipality	All Municipalities						
Worktype	Paratransit		Board District	All Board Districts						
Category	Expansion		Total Cost	\$465,000						
Lead Agency	McHenry County DOT		Website	N/A						
Project ID	N/A									
Limits	McHenry County									
Description	This funding from the County RTA sales tax fund is to continue funding coordination and expansion of local transit services in the County. In 2016, \$60,000 is programmed for the Senior Care Volunteer Network (SCVN), \$5,000 is for the Veterans Assistance Commission (VAC), and \$35,000 is for the Transportation Network Company (TNC) Pilot Program. The TNC Pilot Program will allow McHenry County residents to request an on-demand transportation service from their mobile device.									
Project	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
Senior Care Volunteer Net.	TRAN	RTA Sales Tax	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000
VAC	TRAN	RTA Sales Tax	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000
TNC Pilot Program	TRAN	RTA Sales Tax	\$0	\$0	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$140,000
		Total Transportation	\$65,000	\$65,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$465,000
		Total Programmed		\$65,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$465,000

Total County Cost: \$465,000

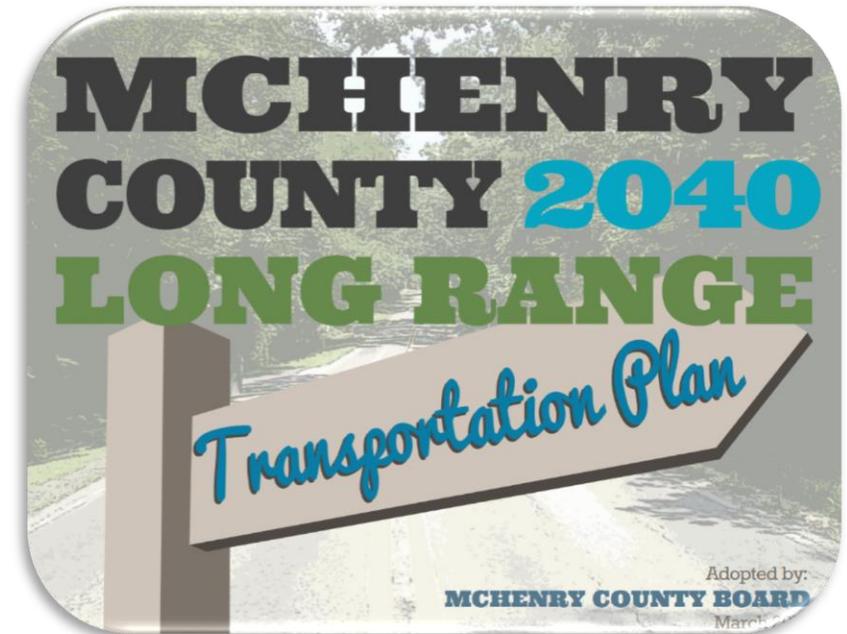


SENIOR CARE
Volunteer Network
Formerly Faith in Action

9. Miscellaneous Program

There are various programs, projects, and initiatives that support other programs of the McHenry County Division of Transportation. Between 2018 and 2022, approximately \$13.3 million is programmed for these types of projects.

Miscellaneous Program Summary	2018-2022 Programmed Costs
Transportation Planning Projects	\$700,000
Charles Miller Road at Illinois 31 Native Landscaping	\$80,000
Nondedicated Subdivision Road Construction Program	\$10,000,000
Nondedicated Subdivision Road Maintenance Program - Match	\$908,100
Nondedicated Subdivision Road Maintenance Program - Township IGA	\$800,000
County Engineer Salary Program	\$824,659
TOTALS	\$13,312,759
Annual Average	\$2,662,552



Transportation Planning Projects

Title	Transportation Planning Projects		
Worktype	Other	Municipality	All Municipalities
Category	Preservation	Board District	All Board Districts
Lead Agency	McHenry County DOT	Total Cost	\$700,000 https://www.co.mchenry.il.us/county-government/departments-j-z/transportation/transportation-plans/long-range-transportation-plan
Project ID	N/A	Website	https://www.co.mchenry.il.us/county-government/departments-j-z/transportation/transportation-plans/long-range-transportation-plan
Limits	Transportation Planning encompasses the entire County.		
Description	In 2018, the County is scheduled to receive \$160,000 in Federal Unified Work Program (UWP) funds to update the County's Transit Plan, matched by \$40,000 in County funds. In 2019, \$100,000 is programmed to update the County's Transportation Programming software. In 2020, \$100,000 is programmed, funded 80% by Federal STP, for a long-awaited update to the County Bicycle and Pedestrian Plan. The funding in 2021-2022 is for consultant services needed as part of the long-range transportation planning process. At this time, an update of the long-range transportation plan is programmed to occur every 7 years.		

Project	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
	PLAN	RTA Sales Tax		\$40,000	\$100,000	\$20,000	\$150,000	\$150,000		\$460,000
	PLAN	Federal UWP		\$160,000						\$160,000
	PLAN	Federal STP-L				\$80,000				\$80,000
	PLAN	RTA Planning Funds								\$0
	Total Planning			\$200,000	\$100,000	\$100,000	\$150,000	\$150,000		\$620,000
	Total Programmed			\$200,000	\$100,000	\$100,000	\$150,000	\$150,000		\$700,000

Total County Cost: \$460,000

Total Federal Share: \$240,000

Charles Miller Road at Illinois 31 Native Landscaping

<i>Title</i>	Charles Miller Road at IL 31 Native Landscaping		
<i>Worktype</i>	Other	<i>Municipality</i>	City of McHenry
<i>Category</i>	Expansion	<i>Board District</i>	District 3
<i>Lead Agency</i>	McHenry County DOT	<i>Total Cost</i>	\$80,000
<i>Project ID</i>	N/A	<i>Website</i>	N/A
<i>Limits</i>	Miller Road and IL 31 Intersection		
<i>Description</i>	Following the Charles Miller Road Project it was determined that native vegetation that was planted as part of the project did not fully "take". Because of this, a contract was approved in 2017 to replant vegetation at the location.		

Project	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
Miller at IL 31 Landscaping	ENGR	County Option MFT	\$128,348	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CONST	County Option MFT	\$0	\$50,000	\$10,000	\$10,000	\$10,000	\$0	\$0	\$80,000
		Total Engineering		\$50,000	\$10,000	\$10,000	\$10,000	\$0		\$80,000
		Total Programmed		\$50,000	\$10,000	\$10,000	\$10,000	\$0		\$80,000

Total County Cost: \$80,000

Nondedicated Subdivision Road Construction Program

Title	Nondedicated Subdivision Road Construction Program		
Worktype	NSR	Municipality	Unincorporated McHenry County
Category	Modernization	Board District	Various Board Districts
Lead Agency	McHenry County DOT	Total Cost	\$10,000,000
Project ID	N/A	Website	https://www.co.mchenry.il.us/county-government/departments-j-z/transportation/resources/nondedicated-subdivision-roads
Limits	N/A		
Description	This funding is allocated each year for nondedicated subdivision roads to help bring them into a public jurisdiction. In 2015, \$8,060,000 was allocated by the County Board for this program spread over five years.		

Segment	Phase	Fund Source	Prior FY	2018	2019	2020	2021	2022	Future FY	Total
	ENGR	County MFT		\$300,000	\$300,000	\$300,000	\$300,000	\$300,000		\$1,500,000
		<i>Total Engineering</i>		\$300,000	\$300,000	\$300,000	\$300,000	\$300,000		\$1,500,000
	CONST	County MFT		\$1,700,000	\$1,700,000	\$1,700,000	\$1,700,000	\$1,700,000		\$8,500,000
		<i>Total Construction</i>		\$1,700,000	\$1,700,000	\$1,700,000	\$1,700,000	\$1,700,000		\$8,500,000
		Total Programmed		\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000		\$10,000,000

Total County Cost: \$10,000,000



Nondedicated Subdivision Road Maintenance Program – Matching Funds

<i>Title</i>	Nondedicated Subdivision Road Maintenance Program - Matching					<i>Municipality</i>	Unincorporated McHenry County				
<i>Worktype</i>	NSR					<i>Board District</i>	Various Board Districts				
<i>Category</i>	Preservation					<i>Total Cost</i>	\$908,100				
<i>Lead Agency</i>	McHenry County DOT					<i>Website</i>	https://www.co.mchenry.il.us/county-government/departments-j-z/transportation/resources/nondedicated-subdivision-roads				
<i>Project ID</i>	N/A										
<i>Limits</i>	N/A										
<i>Description</i>	This funding is to match private investments committed to maintain nondedicated subdivision roads in unincorporated areas of McHenry County. These efforts are coordinated with the Township Highway Commissioners. The County's contribution cannot exceed 50% of the Motor Fuel Tax funds received in the participating townships of Algonquin, Dorr, McHenry and Nunda, which for calendar year 2016 totaled \$187,579.35.										
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
	CONST	County MFT	\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$908,100	
		Total Construction	\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$908,100	
		Total Programmed		\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$181,620	\$908,100	

Total County Cost: \$908,100

Nondedicated Subdivision Road Maintenance Program – Township IGAs

<i>Title</i>	Nondedicated Subdivision Road Maintenance Program - IGA's with Townships					<i>Municipality</i>	Unincorporated McHenry County				
<i>Worktype</i>	NSR					<i>Board District</i>	Various Board Districts				
<i>Category</i>	Preservation					<i>Total Cost</i>	\$800,000				
<i>Lead Agency</i>	McHenry County DOT					<i>Website</i>	https://www.co.mchenry.il.us/county-government/departments-j-z/transportation/resources/nondedicated-subdivision-roads				
<i>Project ID</i>	N/A										
<i>Limits</i>	N/A										
<i>Description</i>	This funding is used to enter into an intergovernmental agreement with the Townships to maintain nondedicated roadways under County jurisdiction.										
Segment	Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total	
	CONST	County MFT	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$800,000	
		Total Construction	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$800,000	
		Total Programmed		\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000	\$800,000	

Total County Cost: \$800,000

County Engineer Salary Program

<i>Title</i>	County Engineer Salary Program		
<i>Worktype</i>	Other	<i>Municipality</i>	N/A
<i>Category</i>	Preservation	<i>Board District</i>	All Board Districts
<i>Lead Agency</i>	McHenry County DOT	<i>Total Cost</i>	\$824,659
<i>Project ID</i>	N/A	<i>Website</i>	N/A
<i>Limits</i>	N/A		
<i>Description</i>	This funding is for the County Engineer’s position (half of this salary is funded by federal Surface Transportation Program funds allocated to the collar counties of the Chicago metropolitan area)		

Phase	Fund Source	2017	2018	2019	2020	2021	2022	2023	Total
ENGR	County MFT	\$77,292	\$78,838	\$80,611	\$82,425	\$84,280	\$86,176	\$88,115	\$412,330
ENGR	Federal STP - C	\$77,292	\$78,838	\$80,611	\$82,425	\$84,280	\$86,176	\$88,115	\$412,330
Total Engineering		\$154,584	\$157,675	\$161,223	\$164,850	\$168,559	\$172,352		\$824,659
Total Programmed			\$157,675	\$161,223	\$164,850	\$168,559	\$172,352		\$824,659

Total County Cost: \$412,330

Total Federal Share: \$412,330

APPENDIX A: METROPOLITAN PLANNING ORGANIZATION TRANSPORTATION IMPROVEMENT PROGRAM

Statewide Transportation Improvement Program

FY 2018-2021

Proposed Highway & Transit Improvement Program

DRAFT



Illinois Department
of Transportation

McHenry County is part of the Chicago Metropolitan Planning Organization (MPO). As part of this MPO all federal and state funded projects and projects of regional significance must be included in the MPO Transportation Improvement Program (TIP). The TIP is the official transportation plan for the MPO and is included in the State's Transportation Improvement Program. The 2018-2021 program can be viewed at www.idot.illinois.gov/transportation-system/transportation-management/transportation-improvement-programs-/stip/index. The TIP is used to track transportation projects and to inform the public of all the various agency projects in the region.

Throughout the planning, engineering, and construction process, project updates such as estimated costs, funding sources, project scope, and anticipated schedule are provided to the MPO. If administrative in nature, these changes are approved by the Transportation Committee of the MPO. If amendatory (major changes) in nature, these changes are approved by the Transportation Committee of the MPO, posted for 30 days of public review, and then approved by the Policy Committee of the MPO.

To develop the McHenry County Five Year Transportation Program, an annual review of the current TIP was undertaken and compared with the County program. Any needed changes have been made and approved by the Transportation Committee of the MPO.

The current MPO TIP can be viewed at <https://etip.cmap.illinois.gov/>

APPENDIX B: ROADWAY STANDARDS

The design and construction of McHenry County Highway improvements is governed by the Illinois Department of Transportation's "**Bureau of Local Roads and Streets Manual**".

This can be found on the Illinois Department of Transportation website at: www.idot.illinois.gov/Assets/uploads/files/Doing-Business/Manuals-Guides-&-Handbooks/Highways/Local-Roads-and-Streets/Local%20Roads%20and%20Streets%20Manual.pdf

Bureau of Local Roads and Streets Manual

The BLRS Manual is in the process of being updated per Circular Letter 2014-17. We welcome your comments on needed updates. Please click here to leave you comment.



Illinois Department of Transportation
Division of Highways

APPENDIX C: ESTIMATED ANNUAL EXPENDITURES BY COUNTY FUND, PROGRAM, AND PROJECT

The following is a break-down of the anticipated County expenditures by funding source for each of the five program years. The projects are organized from the most expensive to the least expensive in total County Costs.

2018

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Randall Road	CONST	\$0	\$0	\$0	\$0	\$6,500,000	\$6,500,000	\$22,968,458	\$0	\$16,468,458	\$0
General Pavement Preservation	CONST	\$2,000,000	\$0	\$0	\$0	\$2,452,300	\$4,452,300	\$4,452,300	\$0	\$0	\$0
River & Dowell Road	CONST	\$0	\$0	\$0	\$1,000,000	\$2,000,000	\$3,000,000	\$3,000,000	\$0	\$0	\$0
Randall Road	ENGR3	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	CONST	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	\$1,700,000	\$0	\$0	\$0
Illinois Route 23 & I-90 Interchange	ROW	\$0	\$0	\$0	\$0	\$1,200,000	\$1,200,000	\$1,200,000	\$0	\$0	\$0
Deerpass Road Bridge (SN056-3029) (TIP# 11-10-0003)	CONST	\$800,000	\$0	\$317,505	\$0	\$0	\$1,117,505	\$5,587,525	\$0	\$4,470,020	\$0
Illinois Route 23 & I-90 Interchange	ENGR2	\$0	\$876,000	\$0	\$0	\$0	\$876,000	\$876,000	\$0	\$0	\$0
Snow Removal Materials	MAINT	\$0	\$0	\$0	\$700,000	\$0	\$700,000	\$700,000	\$0	\$0	\$0
Lakewood Road Bike Path	ENGR1	\$0	\$500,000	\$0	\$0	\$0	\$500,000	\$625,000	\$0	\$0	\$125,000
Pavement Marking Materials - Thermoplastic	MAINT	\$408,000	\$0	\$0	\$0	\$0	\$408,000	\$408,000	\$0	\$0	\$0
Union Road Bridge (SN056-3026)	CONST	\$0	\$0	\$400,000	\$0	\$0	\$400,000	\$1,600,000	\$0	\$1,200,000	\$0
River & Dowell Road	ENGR3	\$360,000	\$0	\$0	\$0	\$0	\$360,000	\$360,000	\$0	\$0	\$0
Traffic Signal/Lighting Maintenance	MAINT	\$0	\$0	\$0	\$357,000	\$0	\$357,000	\$357,000	\$0	\$0	\$0
O'Brien Road Township Bridge (SN056-3118)	CONST	\$0	\$0	\$300,000	\$0	\$0	\$300,000	\$1,500,000	\$0	\$1,200,000	\$0
Non Dedicated Subdivision Road Construction Program	ENGR	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0	\$0	\$0
MCRide Dial-a-Ride Service Pace Contract	TRAN	\$0	\$0	\$0	\$0	\$1,040,000	\$270,000	\$1,960,000	\$0	\$425,000	\$1,265,000
Ackman Road Intersections (Huntley, Swanson and Red Tail)	Feasibility	\$0	\$0	\$0	\$250,000	\$0	\$250,000	\$250,000	\$0	\$0	\$0
Pavement Marking Materials - Paint	MAINT	\$0	\$0	\$0	\$250,000	\$0	\$250,000	\$250,000	\$0	\$0	\$0
Bridge Inspections	ENGR	\$0	\$0	\$230,000	\$0	\$0	\$230,000	\$230,000	\$0	\$0	\$0
Bay Road Bridge (SN056-3106)(TIP#11-15-0005)	CONST	\$0	\$0	\$209,125	\$0	\$0	\$209,125	\$1,045,625	\$0	\$836,500	\$0
Striping Paint & Glass Beads	MAINT	\$203,528	\$0	\$0	\$0	\$0	\$203,528	\$203,528	\$0	\$0	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Lakewood Road/Miller Road Intersection	ENGR2	\$0	\$0	\$0	\$200,000	\$0	\$200,000	\$200,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Maintenance Program - Matching	CONST	\$181,620	\$0	\$0	\$0	\$0	\$181,620	\$181,620	\$0	\$0	\$0
Miscellaneous Culverts	MAINT	\$0	\$0	\$0	\$168,300	\$0	\$168,300	\$168,300	\$0	\$0	\$0
Township Bridge Rehabilitation Assistance Program	CONST	\$0	\$0	\$0	\$162,000	\$0	\$162,000	\$162,000	\$0	\$0	\$0
Chapel Hill Road Bridge (SN056-3134)(TIP#Pending)	CONST	\$0	\$160,000	\$0	\$0	\$0	\$160,000	\$800,000	\$0	\$640,000	\$0
Non Dedicated Subdivision Road Maintenance Program - Township IGA	CONST	\$160,000	\$0	\$0	\$0	\$0	\$160,000	\$160,000	\$0	\$0	\$0
Bull Valley Road Bike Path	ENGR1	\$0	\$0	\$0	\$0	\$150,000	\$150,000	\$187,500	\$0	\$0	\$37,500
Materials Testing	ENGR	\$0	\$0	\$0	\$0	\$132,000	\$132,000	\$132,000	\$0	\$0	\$0
Condition Evaluation/GIS Pavement Management Updates	ENGR	\$0	\$0	\$0	\$0	\$125,000	\$125,000	\$125,000	\$0	\$0	\$0
Union Road Bridge (SN056-3026)	ROW	\$0	\$0	\$110,000	\$0	\$0	\$110,000	\$110,000	\$0	\$0	\$0
Traffic Signal Re-lamping	MAINT	\$0	\$0	\$0	\$105,000	\$0	\$105,000	\$105,000	\$0	\$0	\$0
Bridge Preventative Maintenance	MAINT	\$0	\$0	\$0	\$102,000	\$0	\$102,000	\$102,000	\$0	\$0	\$0
Guardrail Maintenance	MAINT	\$0	\$0	\$0	\$102,000	\$0	\$102,000	\$102,000	\$0	\$0	\$0
County Wide Signal Timing Review	ENGR	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0	\$0	\$0
County Wide Traffic Counts	ENGR	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0	\$0	\$0
PROWAG Maintenance Program	ENGR	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$0	\$0
PROWAG Maintenance Program	MAINT	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Sign Materials	MAINT	\$0	\$0	\$0	\$96,900	\$0	\$96,900	\$96,900	\$0	\$0	\$0
Highway Lighting Systems	MAINT	\$0	\$0	\$0	\$91,800	\$0	\$91,800	\$91,800	\$0	\$0	\$0
U.S. 14 & Virginia Road Intersection Project	CONST	\$0	\$0	\$0	\$0	\$90,657	\$90,657	\$906,567	\$0	\$725,253	\$90,657
County Engineer Salary Program	ENGR	\$157,675	\$0	\$0	\$0	\$0	\$78,838	\$157,675	\$0	\$78,838	\$0
U.S. 14 & Virginia Road Intersection Project	ENGR2	\$0	\$0	\$0	\$0	\$72,000	\$72,000	\$144,000	\$0	\$0	\$72,000
Volunteer Driver and Transit Enhancement Program	TRAN	\$0	\$0	\$0	\$0	\$65,000	\$65,000	\$65,000	\$0	\$0	\$0
Kishwaukee Valley Road Culvert (SN 056-3202)	ENGR	\$0	\$50,000	\$0	\$0	\$0	\$50,000	\$50,000	\$0	\$0	\$0
Low-Cost Safety Improvement Program	CONST	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0
O'Brien Road Township Bridge (SN056-3118)	ROW	\$0	\$0	\$50,000	\$0	\$0	\$50,000	\$50,000	\$0	\$0	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Miller Road at IL 31 Native Landscaping	CONST	\$0	\$0	\$0	\$50,000	\$0	\$50,000	\$50,000	\$0	\$0	\$0
U.S. 14 & Virginia Road Intersection Project	ENGR3	\$0	\$0	\$0	\$0	\$45,000	\$45,000	\$90,000	\$0	\$0	\$45,000
Snow Fence	MAINT	\$0	\$0	\$0	\$40,800	\$0	\$40,800	\$40,800	\$0	\$0	\$0
US 20 & Harmony Road Intersection Project	CONST	\$40,000	\$0	\$0	\$0	\$0	\$40,000	\$2,350,000	\$231,000	\$2,079,000	\$0
Transportation Planning Projects	ENGR	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$200,000	\$0	\$160,000	\$0
White Oaks Road Township Bridge (SN056-3043)	ENGR1	\$0	\$0	\$200,000	\$0	\$0	\$40,000	\$200,000	\$0	\$160,000	\$0
Millstream Road Bridges (SN 056-3022) (SN 056-3023)	ENGR1	\$0	\$0	\$180,000	\$0	\$0	\$36,000	\$180,000	\$0	\$144,000	\$0
Oak Grove Road Township Bridge (SN056-3035)	CONST	\$0	\$0	\$160,000	\$0	\$0	\$32,000	\$800,000	\$128,000	\$640,000	\$0
Tree Trimming & Removal Program	MAINT	\$0	\$0	\$0	\$31,212	\$0	\$31,212	\$31,212	\$0	\$0	\$0
Hunter Road Bridge (SN 056-3034)	ENGR1	\$0	\$0	\$150,000	\$0	\$0	\$30,000	\$150,000	\$0	\$120,000	\$0
Thayer Road Township Bridge (SN056-3115)	ENGR1	\$0	\$0	\$150,000	\$0	\$0	\$30,000	\$150,000	\$0	\$120,000	\$0
Culvert Materials	MAINT	\$0	\$0	\$0	\$25,500	\$0	\$25,500	\$25,500	\$0	\$0	\$0
Johnson Road Bridge (SN056-3128)	ENGR1	\$0	\$0	\$120,000	\$0	\$0	\$24,000	\$120,000	\$0	\$96,000	\$0
Algonquin Road Intersection Safety Project	ENGR1	\$0	\$0	\$0	\$0	\$60,000	\$6,000	\$60,000	\$0	\$54,000	\$0
Algonquin Road Intersection Safety Project	ENGR2	\$0	\$0	\$0	\$0	\$60,000	\$6,000	\$60,000	\$0	\$54,000	\$0
Wilmot/Main Street Intersection Safety Project	ENGR1	\$0	\$0	\$0	\$0	\$19,200	\$1,920	\$19,200	\$0	\$17,280	\$0
Wilmot/Main Street Intersection Safety Project	ENGR2	\$0	\$0	\$0	\$0	\$19,200	\$1,920	\$19,200	\$0	\$17,280	\$0
US 20 at 1)West Union Rd and at Coral Rd2)At Creek (0.4 MI W of Beck Rd.) 3) At Marengo-Beck/South Union Rd.	CONST	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$150,000	\$1,350,000	\$0
Deerpass Road Bridge (SN056-3029) (TIP# 11-10-0003)	ENGR3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
US 20 & Harmony Road Intersection Project	ROW	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000	\$400,000	\$0	\$0
Tree Planting Program	MAINT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
US 20 at 1)West Union Rd and at Coral Rd2)At Creek (0.4 MI W of Beck Rd.) 3) At Marengo-Beck/South Union Rd.	ENGR2	\$0	\$0	\$0	\$0	\$0	\$0	\$420,000	\$420,000	\$0	\$0
TOTALS		\$6,510,823	\$1,586,000	\$2,576,630	\$3,932,512	\$16,120,357	\$28,966,925	\$62,986,710	\$1,329,000	\$31,055,629	\$1,635,157

2019

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Randall Road	CONST	\$0	\$0	\$0	\$5,000,000	\$2,114,542	\$7,114,542	\$11,114,542	\$0	\$4,000,000	\$0
General Pavement Preservation	CONST	\$1,500,000	\$0	\$0	\$0	\$3,000,000	\$4,500,000	\$4,500,000	\$0	\$0	\$0
Illinois Route 23 & I-90 Interchange	CONST	\$0	\$0	\$0	\$0	\$3,086,000	\$3,086,000	\$27,314,000	\$8,076,000	\$0	\$16,152,000
Non Dedicated Subdivision Road Construction Program	CONST	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	\$1,700,000	\$0	\$0	\$0
Randall Road	ENGR3	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$1,500,000	\$0	\$0	\$0
Illinois Route 23 & I-90 Interchange	ROW	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$0	\$0
Snow Removal Materials	MAINT	\$0	\$0	\$0	\$714,000	\$0	\$714,000	\$714,000	\$0	\$0	\$0
Pavement Marking Materials - Thermoplastic	MAINT	\$416,160	\$0	\$0	\$0	\$0	\$416,160	\$416,160	\$0	\$0	\$0
Traffic Signal/Lighting Maintenance	MAINT	\$0	\$0	\$0	\$364,140	\$0	\$364,140	\$364,140	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	ENGR	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0	\$0	\$0
MCRide Dial-a-Ride Service Pace Contract	TRAN	\$0	\$0	\$0	\$0	\$1,060,000	\$270,000	\$2,015,000	\$0	\$440,000	\$1,305,000
Pavement Marking Materials - Paint	MAINT	\$0	\$0	\$0	\$255,000	\$0	\$255,000	\$255,000	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	ENGR1	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0
Striping Paint & Glass Beads	MAINT	\$207,599	\$0	\$0	\$0	\$0	\$207,599	\$207,599	\$0	\$0	\$0
Illinois Route 23 & I-90 Interchange	ENGR2	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0
Lakewood Road/Miller Road Intersection	ROW	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$0	\$0	\$0
PROWAG Maintenance Program	MAINT	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Maintenance Program - Matching	CONST	\$181,620	\$0	\$0	\$0	\$0	\$181,620	\$181,620	\$0	\$0	\$0
Miscellaneous Culverts	MAINT	\$0	\$0	\$0	\$171,666	\$0	\$171,666	\$171,666	\$0	\$0	\$0
Township Bridge Rehabilitation Assistance Program	CONST	\$0	\$0	\$0	\$162,000	\$0	\$162,000	\$162,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Maintenance Program - Township IGA	CONST	\$160,000	\$0	\$0	\$0	\$0	\$160,000	\$160,000	\$0	\$0	\$0
Lakewood Road Bike Path	ENGR2	\$0	\$0	\$0	\$0	\$160,000	\$160,000	\$200,000	\$0	\$0	\$40,000
Harmony Road Bridge (SN 056-3138)	ENGR 2	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$150,000	\$0	\$0	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Allendale Road Bridge Replacement (SN056-3126)	ENGR1	\$0	\$0	\$150,000	\$0	\$0	\$150,000	\$150,000	\$0	\$0	\$0
Materials Testing	ENGR	\$0	\$0	\$0	\$0	\$132,000	\$132,000	\$132,000	\$0	\$0	
Bull Valley Road Bike Path	ENGR2	\$0	\$0	\$0	\$0	\$120,000	\$120,000	\$150,000	\$0	\$0	\$30,000
Bridge Preventative Maintenance	MAINT	\$0	\$0	\$0	\$104,040	\$0	\$104,040	\$104,040	\$0	\$0	\$0
Guardrail Maintenance	MAINT	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Volunteer Driver and Transit Enhancement Program	TRAN	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0
Transportation Planning Projects	ENGR	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0
Virginia Road Complete Street Resurfacing	ENGR	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Sign Materials	MAINT	\$0	\$0	\$0	\$98,838	\$0	\$98,838	\$98,838	\$0	\$0	\$0
Highway Lighting Systems	MAINT	\$0	\$0	\$0	\$93,636	\$0	\$93,636	\$93,636	\$0	\$0	\$0
U.S. 14 & Virginia Road Intersection Project	CONST	\$0	\$0	\$0	\$0	\$90,657	\$90,657	\$906,567	\$0	\$725,253	\$90,657
County Engineer Salary Program	ENGR	\$161,223	\$0	\$0	\$0	\$0	\$80,612	\$161,223	\$0	\$80,612	\$0
Millstream Road Bridges (SN 056-3022) (SN 056-3023)	ROW	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$75,000	\$0	\$0	\$0
Algonquin Road Intersection Safety Project	CONST	\$0	\$0	\$0	\$0	\$716,800	\$71,680	\$716,800	\$0	\$645,120	\$0
IL176 & Roberts Road Intersection Project	CONST	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$975,000	\$145,000	\$780,000	\$0
Low-Cost Safety Improvement Program	CONST	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0
Johnson Road Bridge (SN056-3128)	ROW	\$0	\$0	\$50,000	\$0	\$0	\$50,000	\$50,000	\$0	\$0	\$0
Tree Planting Program	MAINT	\$0	\$0	\$0	\$50,000	\$0	\$50,000	\$50,000	\$0	\$0	\$0
Snow Fence	MAINT	\$0	\$0	\$0	\$50,000	\$0	\$50,000	\$50,000	\$0	\$0	\$0
U.S. 14 & Virginia Road Intersection Project	ENGR3	\$0	\$0	\$0	\$0	\$45,000	\$45,000	\$90,000	\$0	\$0	\$45,000
Illinois Route 173 & Wilmot Road Intersection Project	CONST	\$40,000	\$0	\$0	\$0	\$0	\$40,000	\$1,450,000	\$282,000	\$1,128,000	\$0
Lakewood Road Bike Path	ROW	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$50,000	\$0	\$0	\$10,000
Millstream Road Bridges (SN 056-3022) (SN 056-3023)	ENGR2	\$0	\$180,000	\$0	\$0	\$0	\$36,000	\$180,000	\$0	\$144,000	\$0
Paulson Road Township Bridge (SN 056-3071)	ENGR2	\$0	\$0	\$175,000	\$0	\$0	\$35,000	\$175,000	\$0	\$140,000	\$0
West Solon Road Township Bridge	ENGR2	\$0	\$0	\$175,000	\$0	\$0	\$35,000	\$175,000	\$0	\$140,000	\$0
Tree Trimming & Removal Program	MAINT	\$0	\$0	\$0	\$31,836	\$0	\$31,836	\$31,836	\$0	\$0	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Hunter Road Bridge (SN 056-3034)	ENGR2	\$0	\$0	\$150,000	\$0	\$0	\$30,000	\$150,000	\$0	\$120,000	\$0
Thayer Road Township Bridge (SN056-3115)	ENGR2	\$0	\$0	\$150,000	\$0	\$0	\$30,000	\$150,000	\$0	\$120,000	\$0
Culvert Materials	MAINT	\$0	\$0	\$0	\$26,010	\$0	\$26,010	\$26,010	\$0	\$0	\$0
Johnson Road Bridge (SN056-3128)	ENGR2	\$0	\$0	\$120,000	\$0	\$0	\$24,000	\$120,000	\$0	\$96,000	\$0
Bunker Hill Road West Bridge (SN056-3107)	ENGR1	\$0	\$0	\$100,000	\$0	\$0	\$20,000	\$100,000	\$0	\$80,000	\$0
Thayer Road Township Bridge (SN056-3115)	ROW	\$0	\$0	\$20,000	\$0	\$0	\$20,000	\$20,000	\$0	\$0	\$0
Coral Road at IL 23 Intersection Project (TIP#11-12-0012)	CONST	\$0	\$0	\$0	\$11,845	\$0	\$11,845	\$462,300	\$67,160	\$363,400	\$19,895
Miller Road at IL 31 Native Landscaping	CONST	\$0	\$0	\$0	\$10,000	\$0	\$10,000	\$10,000	\$0	\$0	\$0
Wilmot/Main Street Intersection Safety Project	CONST	\$0	\$0	\$0	\$0	\$82,100	\$8,210	\$82,100	\$0	\$73,890	\$0
US 20 at 1)West Union Rd and at Coral Rd2)At Creek (0.4 MI W of Beck Rd.) 3) At Marengo-Beck/South Union Rd.	CONST	\$0	\$0	\$0	\$0	\$0	\$0	\$700,000	\$160,000	\$540,000	\$0
Lakewood Road/Miller Road Intersection	ENGR2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS		\$4,866,602	\$605,000	\$1,090,000	\$7,343,011	\$13,897,099	\$25,372,091	\$61,411,077	\$8,730,160	\$9,616,275	\$17,692,552

2020

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
General Pavement Preservation	CONST	\$1,600,000	\$0	\$0	\$0	\$3,000,000	\$4,600,000	\$4,600,000	\$0	\$0	\$0
Randall Road	CONST	\$0	\$2,000,000	\$0	\$0	\$1,500,000	\$3,500,000	\$3,500,000	\$0	\$0	\$0
Randall Road Resurfacing - Northern Segment	CONST	\$0	\$0	\$0	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	CONST	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	\$1,700,000	\$0	\$0	\$0
Lakewood Road/Miller Road Intersection	CONST	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	\$1,500,000	\$0	\$0	\$0
Lakewood Road Bike Path	CONST	\$0	\$0	\$0	\$0	\$800,000	\$800,000	\$1,000,000	\$0	\$0	\$200,000
Snow Removal Materials	MAINT	\$0	\$0	\$0	\$728,280	\$0	\$728,280	\$728,280	\$0	\$0	\$0
River Road Corridor Safety Project	Feasibility	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000	\$0	\$0	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Main Street & Marengo Road (Harmony and Hemmer Intersections)	ENGR2	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000	\$0	\$0	\$0
Randall Road	ENGR3	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$500,000	\$0	\$0	\$0
Pavement Marking Materials - Thermoplastic	MAINT	\$424,483	\$0	\$0	\$0	\$0	\$424,483	\$424,483	\$0	\$0	\$0
Traffic Signal/Lighting Maintenance	MAINT	\$0	\$0	\$0	\$371,423	\$0	\$371,423	\$371,423	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	ENGR	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0	\$0	\$0
MCRide Dial-a-Ride Service Pace Contract	TRAN	\$0	\$0	\$0	\$0	\$1,080,000	\$270,000	\$2,070,000	\$0	\$460,000	\$1,340,000
Pavement Marking Materials - Paint	MAINT	\$0	\$0	\$0	\$260,100	\$0	\$260,100	\$260,100	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	ENGR2	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0
Pyott Road Corridor Safety Project	Feasibility	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0
Bridge Inspections	ENGR	\$0	\$0	\$239,292	\$0	\$0	\$239,292	\$239,292	\$0	\$0	\$0
Striping Paint & Glass Beads	MAINT	\$211,751	\$0	\$0	\$0	\$0	\$211,751	\$211,751	\$0	\$0	\$0
Thayer Road Township Bridge (SN056-3115)	CONST	\$0	\$0	\$200,000	\$0	\$0	\$200,000	\$1,000,000	\$0	\$800,000	\$0
Kishwaukee Valley Road Culvert (SN 056-3202)	CONST	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	ROW	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$0	\$0	\$0
PROWAG Maintenance Program	MAINT	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Maintenance Program - Matching	CONST	\$181,620	\$0	\$0	\$0	\$0	\$181,620	\$181,620	\$0	\$0	\$0
Miscellaneous Culverts	MAINT	\$0	\$0	\$0	\$175,099	\$0	\$175,099	\$175,099	\$0	\$0	\$0
Township Bridge Rehabilitation Assistance Program	CONST	\$0	\$0	\$0	\$162,000	\$0	\$162,000	\$162,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Maintenance Program - Township IGA	CONST	\$160,000	\$0	\$0	\$0	\$0	\$160,000	\$160,000	\$0	\$0	\$0
Johnson Road Bridge (SN056-3128)	CONST	\$0	\$0	\$150,000	\$0	\$0	\$150,000	\$750,000	\$0	\$600,000	\$0
Allendale Road Bridge Replacement (SN056-3126)	ENGR2	\$0	\$0	\$150,000	\$0	\$0	\$150,000	\$150,000	\$0	\$0	\$0
Materials Testing	ENGR	\$0	\$0	\$0	\$0	\$132,000	\$132,000	\$132,000	\$0	\$0	\$0
Condition Evaluation/GIS Pavement Management Updates	ENGR	\$0	\$0	\$0	\$0	\$130,000	\$130,000	\$130,000	\$0	\$0	\$0
Traffic Signal Re-lamping	MAINT	\$0	\$0	\$0	\$110,000	\$0	\$110,000	\$110,000	\$0	\$0	\$0
Bridge Preventative Maintenance	MAINT	\$0	\$0	\$0	\$106,121	\$0	\$106,121	\$106,121	\$0	\$0	\$0
County Wide Traffic Counts	ENGR	\$0	\$0	\$0	\$105,000	\$0	\$105,000	\$105,000	\$0	\$0	\$0
Sign Materials	MAINT	\$0	\$0	\$0	\$100,815	\$0	\$100,815	\$100,815	\$0	\$0	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Guardrail Maintenance	MAINT	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0		\$0
Harmony Road Bridge (SN 056-3138)	ROW	\$0	\$0	\$100,000	\$0	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Volunteer Driver and Transit Enhancement Program	TRAN	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0
Highway Lighting Systems	MAINT	\$0	\$0	\$0	\$95,509	\$0	\$95,509	\$95,509	\$0	\$0	\$0
County Engineer Salary Program	ENGR	\$164,850	\$0	\$0	\$0	\$0	\$82,425	\$164,850	\$0	\$82,425	\$0
U.S. 14 and Kishwaukee Valley Road Pedestrian Crossing	ENGR1	\$0	\$0	\$0	\$80,000	\$0	\$80,000	\$100,000	\$0	\$0	\$20,000
Lakewood Road Bike Path	CE	\$0	\$0	\$0	\$0	\$80,000	\$80,000	\$100,000	\$0	\$0	\$20,000
Tree Planting Program	MAINT	\$0	\$0	\$0	\$51,000	\$0	\$51,000	\$51,000	\$0	\$0	\$0
Hunter Road Bridge (SN 056-3034)	ROW	\$0	\$0	\$50,000	\$0	\$0	\$50,000	\$50,000	\$0	\$0	\$0
Low-Cost Safety Improvement Program	CONST	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0
Snow Fence	MAINT	\$0	\$0	\$0	\$50,000	\$0	\$50,000	\$50,000	\$0	\$0	\$0
Bull Valley Road Bike Path	ROW	\$0	\$0	\$0	\$0	\$40,000	\$40,000	\$50,000	\$0	\$0	\$10,000
White Oaks Road Township Bridge (SN056-3043)	ENGR2	\$0	\$175,000	\$0	\$0	\$0	\$35,000	\$175,000	\$0	\$140,000	\$0
Tree Trimming & Removal Program	MAINT	\$0	\$0	\$0	\$32,473	\$0	\$32,473	\$32,473	\$0	\$0	\$0
Paulson Road Township Bridge (SN 056-3071)	ROW	\$0	\$0	\$30,000	\$0	\$0	\$30,000	\$30,000	\$0	\$0	\$0
West Solon Road Township Bridge	ROW	\$0	\$0	\$30,000	\$0	\$0	\$30,000	\$30,000	\$0	\$0	\$0
Algonquin & Crystal Lake Road Intersection Safety Project	CONST	\$0	\$0	\$0	\$0	\$272,700	\$27,270	\$272,700	\$0	\$245,430	\$0
Culvert Materials	MAINT	\$0	\$0	\$0	\$26,530	\$0	\$26,530	\$26,530	\$0	\$0	\$0
Bunker Hill Road West Bridge (SN056-3107)	ENGR2	\$0	\$100,000	\$0	\$0	\$0	\$20,000	\$100,000	\$0	\$80,000	\$0
Transportation Planning Projects	ENGR	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$100,000	\$0	\$80,000	\$0
US 20 at 1)West Union Rd and at Coral Rd2)At Creek (0.4 MI W of Beck Rd.) 3) At Marengo-Beck/South Union Rd.	CONST	\$11,000	\$0	\$0	\$0	\$0	\$11,000	\$2,000,000	\$199,000	\$1,790,000	\$0
Miller Road at IL 31 Native Landscaping	CONST	\$0	\$0	\$0	\$10,000	\$0	\$10,000	\$10,000	\$0	\$0	\$0
Algonquin & Crystal Lake Road Intersection Safety Project	ENGR3	\$0	\$0	\$0	\$0	\$27,270	\$2,727	\$27,270	\$0	\$24,543	\$0
Kishwaukee Valley Road Ditch Bridges	ENGR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS		\$4,953,704	\$2,475,000	\$949,292	\$4,064,350	\$11,931,970	\$22,991,918	\$29,083,316	\$199,000	\$4,302,398	\$1,590,000

2021

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
General Pavement Preservation	CONST	\$1,600,000	\$0	\$0	\$0	\$3,100,000	\$4,700,000	\$4,700,000	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	CONST	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$0	\$0
River Road Corridor Safety Project	ENGR1	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	CONST	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	\$1,700,000	\$0	\$0	\$0
Virginia Road Complete Street Resurfacing	CONST	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$0	\$0
Snow Removal Materials	MAINT	\$0	\$0	\$0	\$742,846	\$0	\$742,846	\$742,846	\$0	\$0	\$0
Harmony Road Bridge (SN 056-3138)	CONST	\$0	\$0	\$600,000	\$0	\$0	\$600,000	\$600,000	\$0	\$0	\$0
Remote Salt Storage and Maintenance Facility	ENGR	\$0	\$0	\$0	\$500,000	\$0	\$500,000	\$500,000	\$0	\$0	\$0
Main Street & Marengo Road (Harmony and Hemmer Intersections)	ROW	\$0	\$0	\$0	\$500,000	\$0	\$500,000	\$500,000	\$0	\$0	\$0
Bull Valley Road Bike Path	CONST	\$0	\$0	\$0	\$0	\$480,000	\$480,000	\$600,000	\$0	\$0	\$120,000
Pavement Marking Materials - Thermoplastic	MAINT	\$432,973	\$0	\$0	\$0	\$0	\$432,973	\$432,973	\$0	\$0	\$0
Hunter Road Bridge (SN 056-3034)	CONST	\$0	\$400,000	\$0	\$0	\$0	\$400,000	\$2,000,000	\$0	\$1,600,000	\$0
Millstream Road Bridges (SN 056-3022) (SN 056-3023)	CONST	\$0	\$400,000	\$0	\$0	\$0	\$400,000	\$2,000,000	\$0	\$1,600,000	\$0
Paulson Road Township Bridge (SN 056-3071)	CONST	\$0	\$400,000	\$0	\$0	\$0	\$400,000	\$1,600,000	\$0	\$1,200,000	\$0
Traffic Signal/Lighting Maintenance	MAINT	\$0	\$0	\$0	\$378,851	\$0	\$378,851	\$378,851	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	ENGR	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0	\$0	\$0
MCRide Dial-a-Ride Service Pace Contract	TRAN	\$0	\$0	\$0	\$0	\$1,100,000	\$270,000	\$2,125,000	\$0	\$480,000	\$1,375,000
Pavement Marking Materials - Paint	MAINT	\$0	\$0	\$0	\$265,302	\$0	\$265,302	\$265,302	\$0	\$0	\$0
Pyott Road Corridor Safety Project	ENGR1	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0
Striping Paint & Glass Beads	MAINT	\$215,986	\$0	\$0	\$0	\$0	\$215,986	\$215,986	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	ROW	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	CE	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$0	\$0	\$0
PROWAG Maintenance Program	MAINT	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Maintenance Program - Matching	CONST	\$181,620	\$0	\$0	\$0	\$0	\$181,620	\$181,620	\$0	\$0	\$0
Miscellaneous Culverts	MAINT	\$0	\$0	\$0	\$178,601	\$0	\$178,601	\$178,601	\$0	\$0	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Township Bridge Rehabilitation Assistance Program	CONST	\$0	\$0	\$0	\$162,000	\$0	\$162,000	\$162,000	\$0		\$0
Non Dedicated Subdivision Road Maintenance Program - Township IGA	CONST	\$160,000	\$0	\$0	\$0	\$0	\$160,000	\$160,000	\$0	\$0	\$0
Transportation Planning Projects	ENGR	\$0	\$0	\$0	\$0	\$150,000	\$150,000	\$150,000	\$0	\$0	\$0
Materials Testing	ENGR	\$0	\$0	\$0	\$0	\$132,000	\$132,000	\$132,000	\$0	\$0	
Bridge Preventative Maintenance	MAINT	\$0	\$0	\$0	\$108,243	\$0	\$108,243	\$108,243	\$0	\$0	\$0
Sign Materials	MAINT	\$0	\$0	\$0	\$102,831	\$0	\$102,831	\$102,831	\$0	\$0	\$0
Guardrail Maintenance	MAINT	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0		\$0
County Wide Signal Timing Review	ENGR	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Allendale Road Bridge Replacement (SN056-3126)	ROW	\$0	\$0	\$100,000	\$0	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Bunker Hill Road West Bridge (SN056-3107)	ROW	\$0	\$0	\$100,000	\$0	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Volunteer Driver and Transit Enhancement Program	TRAN	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0
Spring Grove Road Operational Improvements	ROW	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0	\$0	\$0
Highway Lighting Systems	MAINT	\$0	\$0	\$0	\$97,419	\$0	\$97,419	\$97,419	\$0	\$0	\$0
County Engineer Salary Program	ENGR	\$168,559	\$0	\$0	\$0	\$0	\$84,280	\$168,559	\$0	\$84,280	\$0
U.S. 14 and Kishwaukee Valley Road Pedestrian Crossing	ENGR2	\$0	\$0	\$0	\$80,000	\$0	\$80,000	\$100,000	\$0	\$0	\$20,000
Rakow Road Bike Path	ENGR1	\$0	\$0	\$0	\$0	\$80,000	\$80,000	\$100,000	\$0	\$0	\$20,000
Tree Planting Program	MAINT	\$0	\$0	\$0	\$52,020	\$0	\$52,020	\$52,020	\$0	\$0	\$0
Low-Cost Safety Improvement Program	CONST	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0
Snow Fence	MAINT	\$0	\$0	\$0	\$50,000	\$0	\$50,000	\$50,000	\$0	\$0	\$0
White Oaks Road Township Bridge (SN056-3043)	ROW	\$0	\$0	\$50,000	\$0	\$0	\$50,000	\$50,000	\$0	\$0	\$0
Bull Valley Road Bike Path	ENGR3	\$0	\$0	\$0	\$0	\$48,000	\$48,000	\$60,000	\$0	\$0	\$12,000
U.S. 14 and Kishwaukee Valley Road Pedestrian Crossing	ROW	\$0	\$0	\$0	\$40,000	\$0	\$40,000	\$50,000	\$0	\$0	\$10,000
Tree Trimming & Removal Program	MAINT	\$0	\$0	\$0	\$33,122	\$0	\$33,122	\$33,122	\$0	\$0	\$0
Oak Grove Road Railroad Crossing Safety Project	CONST	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$300,000	\$255,000	\$0	\$15,000
Culvert Materials	MAINT	\$0	\$0	\$0	\$27,061	\$0	\$27,061	\$27,061	\$0	\$0	\$0
Miller Road at IL 31 Native Landscaping	CONST	\$0	\$0	\$0	\$10,000	\$0	\$10,000	\$10,000	\$0	\$0	\$0
TOTALS		\$4,959,138	\$1,200,000	\$850,000	\$3,628,296	\$10,920,000	\$20,643,155	\$27,434,434	\$255,000	\$4,964,280	\$1,572,000

2022

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
General Pavement Preservation	CONST	\$1,600,000	\$0	\$0	\$0	\$3,200,000	\$4,800,000	\$4,800,000	\$0	\$0	\$0
Metra Service Enhancements	TRAN	\$0	\$0	\$0	\$0	\$4,000,000	\$4,000,000	\$4,000,000	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	CONST	\$0	\$0	\$0	\$0	\$3,000,000	\$3,000,000	\$3,000,000	\$0	\$0	\$0
Main Street & Marengo Road (Harmony and Hemmer Intersections)	CONST	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000	\$2,000,000	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	CONST	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	\$1,700,000	\$0	\$0	\$0
Snow Removal Materials	MAINT	\$0	\$0	\$0	\$757,703	\$0	\$757,703	\$757,703	\$0	\$0	\$0
U.S. 14 and Kishwaukee Valley Road Pedestrian Crossing	CONST	\$0	\$0	\$0	\$480,000	\$0	\$480,000	\$600,000	\$0	\$0	\$120,000
Bull Valley Road Bike Path	ENGR3	\$0	\$0	\$0	\$0	\$480,000	\$480,000	\$600,000	\$0	\$0	\$120,000
Pavement Marking Materials - Thermoplastic	MAINT	\$441,632	\$0	\$0	\$0	\$0	\$441,632	\$441,632	\$0	\$0	\$0
West Solon Road Township Bridge	CONST	\$0	\$400,000	\$0	\$0	\$0	\$400,000	\$1,600,000	\$0	\$1,200,000	\$0
White Oaks Road Township Bridge (SN056-3043)	CONST	\$0	\$400,000	\$0	\$0	\$0	\$400,000	\$1,600,000	\$0	\$1,200,000	\$0
Traffic Signal/Lighting Maintenance	MAINT	\$0	\$0	\$0	\$386,428	\$0	\$386,428	\$386,428	\$0	\$0	\$0
Non Dedicated Subdivision Road Construction Program	ENGR	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$0	\$0	\$0
Ackman Road Intersections (Huntley, Swanson and Red Tail)	CE	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$300,000	\$0	\$0	\$0
Pavement Marking Materials - Paint	MAINT	\$0	\$0	\$0	\$270,608	\$0	\$270,608	\$270,608	\$0	\$0	\$0
MCRide Dial-a-Ride Service Pace Contract	TRAN	\$0	\$0	\$0	\$0	\$1,100,000	\$270,000	\$2,180,000	\$0	\$500,000	\$1,410,000
Pyott Road Corridor Safety Project	ROW	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0
Pyott Road Corridor Safety Project	ENGR2	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$250,000	\$0	\$0	\$0
N. McHenry Fox River Crossing	ENGR1	\$0	\$0	\$0	\$0	\$250,000	\$250,000	\$500,000	\$0	\$0	\$250,000
Bridge Inspections	ENGR	\$0	\$0	\$248,959	\$0	\$0	\$248,959	\$248,959	\$0	\$0	\$0
Striping Paint & Glass Beads	MAINT	\$220,306	\$0	\$0	\$0	\$0	\$220,306	\$220,306	\$0	\$0	\$0
PROWAG Maintenance Program	MAINT	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$200,000			
Miscellaneous Culverts	MAINT	\$0	\$0	\$0	\$182,173	\$0	\$182,173	\$182,173	\$0	\$0	\$0
Non Dedicated Subdivision Road Maintenance Program - Matching	CONST	\$181,620	\$0	\$0	\$0	\$0	\$181,620	\$181,620	\$0	\$0	\$0
Bunker Hill Road West Bridge (SN056-3107)	CONST	\$0	\$180,000	\$0	\$0	\$0	\$180,000	\$900,000	\$0	\$720,000	\$0

Project	Phase	MFT	Matching	Bridge	Option	RTA	Total County Costs	Project Cost	State	Federal	Local/Other
Township Bridge Rehabilitation Assistance Program	CONST	\$0	\$0	\$0	\$162,000	\$0	\$162,000	\$162,000	\$0		\$0
Non Dedicated Subdivision Road Maintenance Program - Township IGA	CONST	\$160,000	\$0	\$0	\$0	\$0	\$160,000	\$160,000	\$0	\$0	\$0
Transportation Planning Projects	ENGR	\$0	\$0	\$0	\$0	\$150,000	\$150,000	\$150,000	\$0	\$0	\$0
Condition Evaluation/GIS Pavement Management Updates	ENGR	\$0	\$0	\$0	\$0	\$135,000	\$135,000	\$135,000	\$0	\$0	\$0
Materials Testing	ENGR	\$0	\$0	\$0	\$0	\$132,000	\$132,000	\$132,000	\$0	\$0	
Traffic Signal Re-lamping	MAINT	\$0	\$0	\$0	\$115,000	\$0	\$115,000	\$115,000	\$0	\$0	\$0
Bridge Preventative Maintenance	MAINT	\$0	\$0	\$0	\$110,408	\$0	\$110,408	\$110,408	\$0	\$0	\$0
County Wide Traffic Counts	ENGR	\$0	\$0	\$0	\$110,000	\$0	\$110,000	\$110,000	\$0	\$0	\$0
Sign Materials	MAINT	\$0	\$0	\$0	\$104,888	\$0	\$104,888	\$104,888	\$0	\$0	\$0
Guardrail Maintenance	MAINT	\$0	\$0	\$0	\$100,000	\$0	\$100,000	\$100,000	\$0		\$0
Volunteer Driver and Transit Enhancement Program	TRAN	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0
Highway Lighting Systems	MAINT	\$0	\$0	\$0	\$99,367	\$0	\$99,367	\$99,367	\$0	\$0	\$0
County Engineer Salary Program	ENGR	\$172,352	\$0	\$0	\$0	\$0	\$86,176	\$172,352	\$0	\$86,176	\$0
Allendale Road Bridge Replacement (SN056-3126)	CONST	\$0	\$0	\$400,000	\$0	\$0	\$80,000	\$2,000,000	\$320,000	\$1,600,000	\$0
Rakow Road Bike Path	ENGR2	\$0	\$0	\$0	\$0	\$80,000	\$80,000	\$100,000	\$0	\$0	\$20,000
Tree Planting Program	MAINT	\$0	\$0	\$0	\$53,060	\$0	\$53,060	\$53,060	\$0	\$0	\$0
Low-Cost Safety Improvement Program	CONST	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000	\$0	\$0	\$0
Snow Fence	MAINT	\$0	\$0	\$0	\$50,000	\$0	\$50,000	\$50,000	\$0	\$0	\$0
U.S. 14 and Kishwaukee Valley Road Pedestrian Crossing	CE	\$0	\$0	\$0	\$48,000	\$0	\$48,000	\$60,000	\$0	\$0	\$12,000
Bull Valley Road Bike Path	CONST	\$0	\$0	\$0	\$0	\$48,000	\$48,000	\$60,000	\$0	\$0	\$12,000
Tree Trimming & Removal Program	MAINT	\$0	\$0	\$0	\$33,785	\$0	\$33,785	\$33,785	\$0	\$0	\$0
Culvert Materials	MAINT	\$0	\$0	\$0	\$27,602	\$0	\$27,602	\$27,602	\$0	\$0	\$0
Bunker Hill Road East Bridge (SN056-3070)	ENGR1	\$0	\$0	\$100,000	\$0	\$0	\$20,000	\$100,000	\$0	\$80,000	\$0
TOTALS		\$4,975,910	\$980,000	\$748,959	\$5,091,022	\$13,525,000	\$24,004,715	\$31,654,891	\$320,000	\$5,386,176	\$1,944,000

APPENDIX E: CHANGES FROM LAST YEAR'S PROGRAM

The following is a list of significant differences between the adopted McHenry County 2017-2022 Transportation Program and the proposed McHenry County 2018-2022 Transportation Program:

1. Instead of a six year Transportation Program this program encompasses five years (2018-2022) of revenue and expenditures.
2. "Pavement Marking Projects" was split into two distinct programs – "Pavement Marking – Thermoplastic" and "Pavement Marking – Paint".
3. A "Tree Planting Program" was added to the Maintenance Program beginning in 2019.
4. Funding for resurfacing Algonquin Road (east of Randall Road) was delayed from 2020 to 2023.
5. Funding for resurfacing Virginia Road (U.S. 14 to Berkshire) and the addition of "complete streets" amenities such as sidewalks, bike lanes, and ADA-compliant crossings was programmed in 2021.
6. "Garden Valley Road Bridge" and "Nelson Road Culvert" were removed from the Program due to project completion.
7. Added to the Public Safety and Health Program are three projects that received local Highway Safety Improvement Program funding from the State of Illinois in 2017 – the "Algonquin Road Intersection Safety Project", the "Algonquin and Crystal Lake Road Safety Project", and the "Wilmot and Main Street Intersection Safety Project".
8. An "Oak Grove Road Railroad Crossing Project" was added to the Program in 2021.
9. Added to the Operational and Capacity Program is a "County-wide Signal Timing Review" in 2018.
10. County-funded construction costs for the "Randall Road Operational and Capacity Project" were reduced by \$3.5 million, reflecting additional federal funds (STP-County) devoted to the project.
11. Locally-funded construction costs for the "U.S. 14 and Virginia Road Intersection Project" were reduced by \$1.45 million, reflecting an award of federal Congestion Mitigation and Air Quality (CMAQ) funds.
12. The "Ridgefield Trace Oak Street Gap" project was removed from the Program due to project completion.
13. "Debt Certificate Service" was removed from the Program reflecting the last debt payment in 2017.
14. A "Nondedicated Subdivision Road Maintenance Program – Township IGA" was created to enter into intergovernmental agreements with the Townships to maintain nondedicated roadways under County jurisdiction.
15. The Glossary was removed from the program.

Metra

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