



2016-2020 Transportation Program

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COOK COUNTY BOARD OF COMMISSIONERS**



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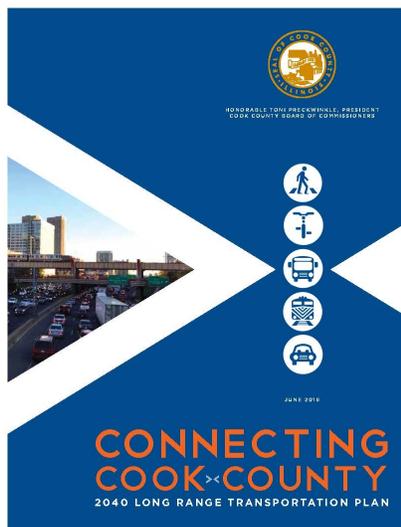
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INTRODUCTION

The Cook County Five Year Transportation Program is a financial and planning tool published annually by the Department of Transportation and Highways. The Department holds jurisdictional authority over 561 center line miles of roadway, and has maintenance responsibility for 1,620 lane miles of pavement, 136 bridges, 364 traffic signals, seven pumping stations and four maintenance facilities. This Program presents individual projects to be implemented in the 2016-2020 fiscal years with the objective of preserving, modernizing, and expanding the County's regional transportation network. It also presents an estimate of revenues and expenditures expected over this five year period. The Program serves as a basis for annual budgeting and project scheduling, and reflects the Department's commitment to viable improvements as circumstances support at the time of this publication.



LONG RANGE TRANSPORTATION PLAN

Cook County is pleased to announce the adoption of *Connecting Cook County* 2040 Long Range Transportation Plan (2040 LRTP) by the Cook County Board of Commissioners, which will act as a policy for the Department for future Multi Year Programs. *Connecting Cook County*, the County's first strategic transportation plan in 70 years, was developed to guide where and how the County invests in transportation to improve mobility across the region and more fully realize its opportunities to attract and retain businesses, people, capital, and talent.

NEEDS

As the largest freight hub and second most populous county in the U.S., Cook County serves as the center of the nation's transportation infrastructure. Demand on the County's transportation system is equally immense: 20 million trips per day, continued population and job growth, and 925 million tons of freight movement. Facing scarce financial resources, Cook County must supply transportation services that support existing uses of the system along with new demands brought about by changing demographics, technological developments, and a globally linked supply chain.

RESOURCES

Cook County enjoys a network of public and private transportation assets featuring two major airports, ten interstate expressways, and one of the country's largest public transit and rail networks. However, the long-term sustainability of these assets and, more importantly, the regional economy are threatened by a lack of vision and investment in aging infrastructure. The Chicago metropolitan area invests less on a per capita basis than many of its international and domestic counterparts. As a result, there has been no significant increase in transit service since the 1990s and ridership has declined. Similarly, the rapid growth in freight shipments makes manufacturing distribution and logistics a key sector of the County's economy, supporting over 176,000 jobs and generating \$12.3 billion in personal income.

PRIORITIES

Five policy priorities (see next page) have been developed that will shape the County's transportation policies and capital improvement program. They will also serve as the foundation for collaborative efforts with other public and private agencies responsible for providing transportation services.

CONNECTING COOK COUNTY PRIORITIES



PRIORITIZE transit and other transportation alternatives

Improved transit is an essential part of addressing congestion on our roads and meeting the travel needs of residents who cannot afford a car or choose not to have one. Other modes such as walking, biking, car sharing, and ride sharing connect residents to public transportation, schools, stores, work, and more and must be among the options offered to families and businesses when transportation facilities are improved.

SUPPORT the region's role as North America's freight capital

Metropolitan Chicago's role as the freight center of North America brings jobs, wages, and sales revenues, but it also presents the challenges of greater congestion, wear and tear on roads and rails, and travel delays. Competitor regions have added strategic capacity and connections to capture a greater portion of growth in the freight sector. As a result, the Chicago region's market share is slipping. To retain its status as a global freight hub, the County will make plans, policies, and rail and trucking investments with strong public benefits.



PROMOTE equal access to opportunities

Regions that are more inclusive—that fully use their human, transportation, real estate, and business assets—achieve greater and more evenly distributed economic growth than less inclusive areas. Within Cook County, transportation services and the opportunities they afford are not equally distributed, which disproportionately affects African Americans and residents of south Cook County. To fully realize equitable distribution of opportunities, the County's economic development and transportation policies will create a climate conducive to business expansion and to making jobs more broadly accessible.

MAINTAIN and MODERNIZE what already exists

Striking the right balance between maintenance and modernization of existing transportation facilities and new construction is a challenge. It is tempting to add new capacity, but failure to maintain what already exists increases long-term operating costs, safety hazards, delays, and congestion. Bringing the average pavement quality of County roads up to "good condition" will require an additional \$60 million per year for the next 10 years. Cook County will use new practices and technologies to improve the capacity of existing transportation facilities and ensure that today's investments do not preclude future innovation and growth.



INCREASE investments in transportation

Building the robust transportation network that is so critical to the region's economic competitiveness depends upon increased, more reliable and flexible revenue sources. In 2015, Cook County took the unprecedented step of ending the long-standing practice of diverting motor fuel tax funds to other uses. Starting in 2017, this action will provide an additional \$45 million per year to pursue the priorities described in *Connecting Cook County*. This first step is part of a campaign to increase funding for transportation from multiple sources, including competitive grants, taxes, tolls, and fares.

2015 ACCOMPLISHMENTS

Highlights of 2015 Accomplishments

The Department awarded construction contracts for improvements at twenty-five (25) project locations, totaling \$33.1 million including the preservation of 41.0 lane miles through resurfacing and/or patching projects

The Department completed 25 construction projects, including major improvements at the following locations.



Winnetka Road — System Preservation Project

Crawford Avenue

Reconstruction of Crawford Avenue, from Devon Street to Oakton Street, provided four (4) travel lanes separated by a landscape median, new storm sewer, water main, sidewalks, street lighting, and traffic signal enhancements in Lincolnwood and Skokie.



Crawford Avenue — Devon Street to Oakton Street

Robbins Streetscape

Streetscape improvements along Kedzie Avenue from 139th Street to 135th Street and along 139th Street from Kedzie Avenue to Utica Avenue in the Village of Robbins (\$2.0 million). The Department led this project in partnership with the Village of Robbins, providing Motor Fuel Tax dollars as the local match for a federal grant to provide new street lighting, sidewalks, and drainage improvements to improve pedestrian access to the local train station.



Robbins Streetscape

Center Street

Construction for the immense Center Street Project from 171st Street to 159th Street construction started in 2015 and will be completed in 2016. Center Street improvements are greatly enhancing the transportation network around Harvey's Industrial Park providing better service to United Parcel Service, the CN Railroad's Gateway Intermodal Terminal, Fore Transportation and other national and local businesses.



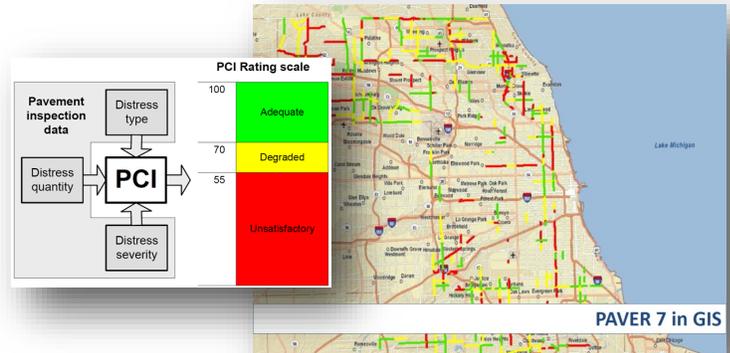
Center Street—171st Street to 159th Street

2015 ACCOMPLISHMENTS (CONTINUED)

The Department introduced new initiatives to improve services for roadway network users.

Pavement Maintenance Management System

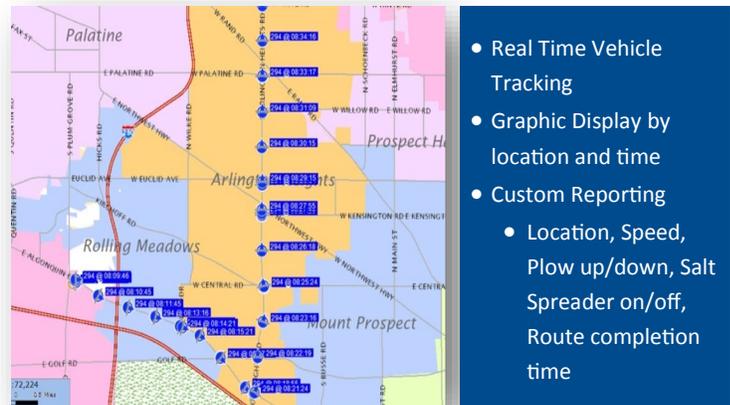
The Department had a network-level pavement condition survey performed for the County's roadways and implemented a Pavement Maintenance Management System (PAVER™). Upon successful completion of this project, the County will be able to more objectively assess the relative conditions of its roadway network, better optimize and prioritize the expenditure of its existing funding, and more effectively identify and justify future roadway pavement funding needs.



Work Order Management System & Automated Vehicle Location

The full implementation of a Work Order Management System (Cityworks) and installation of an Automated Vehicle Location (AVL) System to improve maintenance operations was accomplished in 2015. The Work Order Management System manages services requests made by residents, municipalities and other agencies that has improved the tracking of service requests. The AVL System provides transparency, accountability, efficiency and improved service through GPS tracking of snow removals.

Automated Vehicle Location System



Leveraging Outside Funds

The Department has been successful in securing Federal and State transportation improvement grants to retain businesses and spur private investment. In the south suburbs of Cook County, for example, a \$20 million public investment in truck route improvements yielded \$63 million in private investment and the promise of 420 more jobs.

In 2015 the Department secured \$52.2 million in Federal and State grants to fund economic development infrastructure projects across the County.

Competitive Economic Development Infrastructure Grants for 2015									
	Overall	South Suburbs	131 st St*	134 th St*	166 th St*	167 th St*	Center Street*	North Ave	Old Orchard Rd
Total Project Cost	\$76.2 Million	\$28.3 Million	\$6,024,000	\$3,571,486	\$2,752,737	\$4,970,000	\$11,000,000	\$39,691,908	\$8,160,000
Total Grant Money Awarded	\$52.2 Million	\$15.6 Million	\$5,880,000	\$3,571,486	\$2,752,737	\$2,500,000	\$900,000	\$29,500,000	\$7,120,000
Total Businesses Impacted (6 miles)	83,352	30,359	18,697	14,953	13,405	13,110	14,833	22,300	30,693
Total Jobs Impacted (6 Miles)	605,448	213,109	125,826	107,680	99,500	96,382	106,339	216,200	176,139
Metals Manufacturing Businesses impacted (6 Miles)	2,011	242	162	139	131	115	124	1,618	151
Metals Manufacturing Jobs Impacted (6 miles)	31,615	6,280	4,469	4,337	4,013	3,721	3,838	22,190	3,345

Project and Grant Funding Specifics

- 131st Street from Pulaski to Kedzie, Alsip**
 - \$3,880,000 Surface Transportation Program (STP) from Southwest Conference of Mayors
 - \$2,000,000 IDOT Economic Development Program (EDP)
- 134th Street Halsted to Marsden, Riverdale**
 - \$1,785,743 IDOT EDP
 - \$1,785,743 Local STP from SSMMA
- 166th Street Commercial to Halsted, Harvey**
 - \$1,552,737 IDOT EDP
 - \$1,200,000 CCDDP Community Development Block Grant – Disaster Relief (CDBG-DR)
- 167th Street from Center to Halsted, Harvey**
 - \$2.5M DCEO
- Center Street from 171st Street to 159th Street, Harvey**
 - \$900,000 CCDDP CDBG
- North Avenue from Frontage Road to east of UP Railroad, Northlake**
 - \$29.5M Congestion Mitigation Air Quality (CMAQ)
- Old Orchard Road at the Edens Expressway, Skokie**
 - \$7.12M CMAQ

*The south suburban column aggregates economic impacts without the double counting of businesses and jobs that would occur if the five south suburban projects' business/job counts were simply summed.



2016-2020 TRANSPORTATION PROGRAM

The Cook County 2016-2020 Transportation Program includes \$453.1 million in engineering, construction, right-of-way acquisition and maintenance contracts. The Program is fiscally constrained based on expected levels of funding from current revenue sources. First and foremost, the Department is focused maintaining and preserving existing infrastructure assets. Modernization and expansion of an integrated transportation system is undertaken only as funding becomes available. A complete project list, including project type, location, scope, and funding is presented in Appendix D.

Implementing 2040 LRTP's vision within the 2016-2020 Transportation Program includes projects that follow the five policy priorities outlined within the plan. The majority of this first wave of economic development oriented investments are located in the south suburbs—a subregion where economic growth has lagged other parts of the County.

The 2016-2020 Program includes three fully funded industrial truck route improvements representing \$11.8 million in public investment. These projects, 131st Street, 134th Street, and 156th Street, are local and major collector roads in the Villages of Alsip and Riverdale, and the City of Harvey which lacked the engineering and construction resources to rebuild them. The County secured full project funding through grants from the Illinois Departments of Transportation and Commerce and Economic Opportunity in addition to contributing Motor Fuel Tax and Community Development Block Grants (CDBG) resources.

The improvements to the Rosemont Transit Station on the CTA Blue Line is a notable example of the Department carrying out the 2040 LRTP's vision of prioritizing transit and other transportation alternatives. This particular station on the CTA Blue Line is the busiest transfer point in the region between Pace buses and CTA rail. The existing Rosemont Transit Center already exceeds capacity and must be modernized and expanded to accommodate Pace's new express bus service on the Jane Addams Tollway. The availability of underdeveloped land around the station, which is owned by Cook County and the Tollway, presents future opportunities to build a multi-modal transportation center. In the interim, Cook County is upgrading existing bus bays to accommodate growing Pace use of the transit center. In the long term, Cook County will lead a collaborative process to redevelop the site and build a state-of-the-art multimodal transportation center.

Interim Rosemont Transit Station Improvements



- *Expand the bus station islands to accommodate two buses in each bay for additional boarding capacity*
- *Construct two new bus bays for additional boarding and one new bus bay for extra buses to sit on layovers*
- *Upgrade sidewalks and bus boarding islands for improved ADA compliance*
- *Improve pedestrian and bicycle access and safety around the transit center with additional sidewalks, crosswalks and bike racks*
- *Improve the flow of traffic for taxi, shuttle, bicyclist, pedestrian, and Kiss-n-Ride zones*
- *Realign the bus lanes from the Tollway exit to reduce conflict with vehicular traffic around the parking lots upon entry into the Transit Center*
- *Repair pavement and construct new parking lot gates*

Program Development

The projects included in the 2016-2020 Program are developed under the current Department of Transportation and Highways planning process. This process first identifies the need for an improvement by integrating stakeholder input with the results of highway inventories, traffic surveys, crash analyses, pavement condition analyses, intersection design studies, drainage analyses, maintenance records, and collaborative opportunities. Once the need is identified, preliminary design studies are conducted to select a preferred alternative in coordination with local municipalities. Detailed design plans, specifications, and construction costs are then prepared and needed right-of-way is secured before letting a construction contract to complete the project.

While projects presented in this plan are scheduled for a specific year based upon a purpose and need for improvement, the construction schedule in any year is subject to plan readiness, funding availability, and regional coordination with other projects. Projects may be removed, deferred, or replaced with other projects over the year based on circumstances related to funding opportunities, traffic or safety considerations, or development patterns.

Program Categories

In alignment with the County’s new vision outlined in the LRTP, a three (3) project classification system has been developed laying the ground work for the Department to develop a new project prioritization and evaluation system that will be implemented to ensure there is a high return to the County in the form of economic growth and/or improvised quality of life.

Funding share for the three program categories is shown in Figure 1. A full of list of 2016-2020 Program’s projects are presented in both Appendix D with their associated costs.



Funding Share of Program Categories (\$1,000’s)

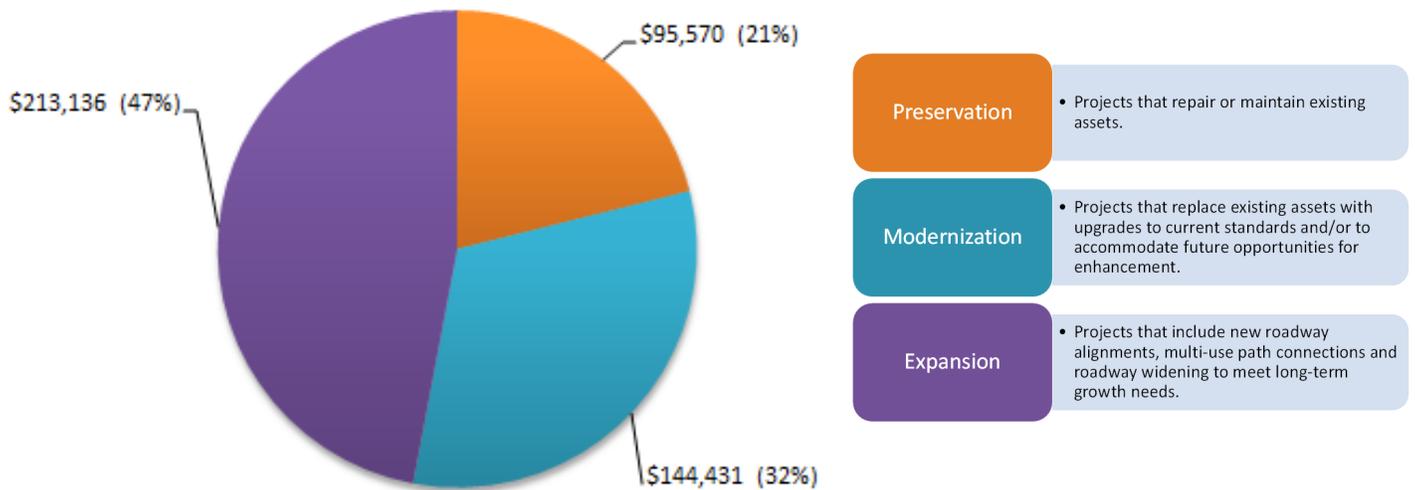


Figure 1

Preservation Projects

This category includes projects aimed at extending the service life of County roadways, bridges, traffic signals and other transportation related items to minimize their life cycle cost. Preservation Projects funded in the 2016-2020 Transportation Program total \$95.6 million.

Pavement Preservation and Rehabilitation Program

The Department utilizes its Pavement Preservation and Rehabilitation Program in preserving the Department’s largest asset. Two countywide contracts for Pavement Preservation and Rehabilitation are programmed for each fiscal year in 2016-2020. These contracts address multiple project locations in one region (north or south), through a single construction contract. Aggregating smaller project locations allows the Department to improve efficiency in both design and construction, streamline the procurement process, and take advantage of economies of scale to lower construction costs. Locations to be included in these contracts will be determined based on roadway condition, utilizing a data-driven evaluation of the current roadway system. The Program includes 11 defined locations of Pavement Preservation and Rehabilitation projects to be awarded in 2016 and constructed in 2017 that total \$5.0 million.

Bridge Program

Projects in this category extend the service life of bridges through repairs. Typical bridge repairs include joint or bearing replacement, partial and full deck patching, substructure repairs, and bridge painting. In-house crews perform preventive maintenance, such as power washing and scupper cleaning annually. This category does not include major rehabilitation, bridge replacement and the construction of new bridges that are included in Modernization and Expansion Projects. The Bridge Program includes \$3.6M in the 2016-2020 Transportation Program.

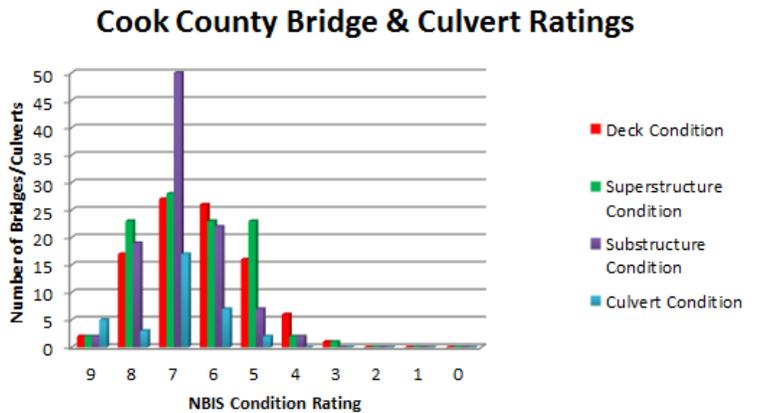


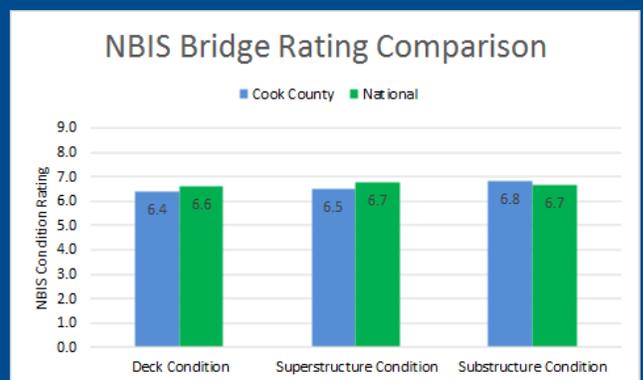
Figure 2

The Department inspects its structure inventory on a routine basis, in accordance with National Bridge Inspection Standards (NBIS). Through a regular inspection and repair program, the Department currently maintains acceptable NBIS condition ratings seen in Figure 2. NBIS condition ratings range from 0 (failed condition) to 9 (excellent condition).

How does the County compare?

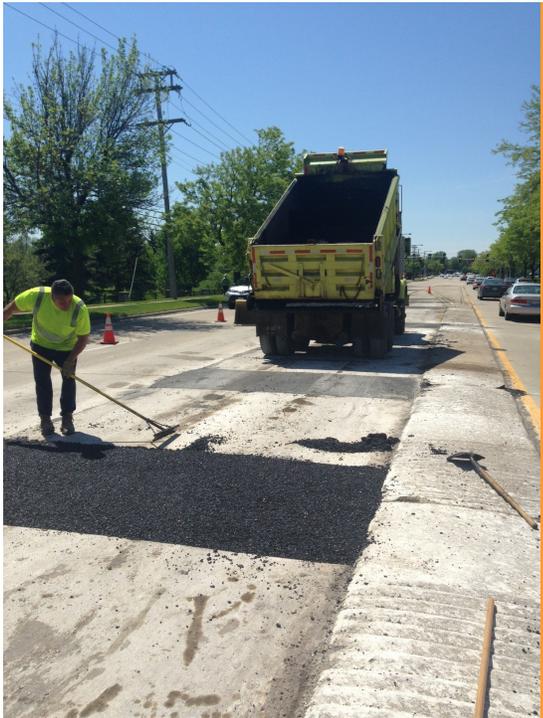
The Department has successfully been maintaining its bridges near the nationwide average with a constrained budget. Future bridge work within this Transportation Program will work towards bringing bridge ratings up to or above nationwide averages.

Source: FHWA 2013 Status of the Nation’s Highways, Bridges, and Transit



Countywide Maintenance Program

The Department is dedicated to maintaining County transportation facilities through a combination of internal operations and maintenance contracts. The Countywide Maintenance Program in the 2016-2020 Transportation Program totals \$35.1 million, funding maintenance contracts for pavement markings, signage, traffic signal, mechanical maintenance, street sweeping, and snow removal. This total also includes materials used by Department maintenance staff such as salt, stone, asphalt patching material, and equipment rental.



In-House Full Depth Patching



In-House Sewer Repair

Did you know?

The Department of Transportation and Highways is responsible in maintaining 1,620 Lane Miles of roadways that include tasks such as:

- Snow and ice control operations
- Maintaining a safe riding surface
- Resolving drainage issues
- Repairing storm sewers
- Mowing operations
- Tree trimming operations
- Assisting local agencies in emergency responses
- Traffic Control Devices
 - Signs
 - Pavement Markings
 - Traffic Control Signals

Modernization Projects

Projects in this category involve the replacement of assets such as pavement, traffic signals, structures, drainage systems, medians, sidewalks, or multi-use paths. These improvements include design elements to accommodate for future enhancement opportunities while providing safety and capacity improvements to the system. Major Reconstruction projects funded in the 2016-2020 Transportation Program total \$144.4 million, and include reconstruction of:

- 108th Avenue – 167th Street to 159th Street
- 134th Street – Halsted Street to Marsden Drive
- 156th Street – Commercial Avenue to Halsted Street
- Happ Road over Skokie River – bridge replacement
- Kedzie Avenue – Flossmoor Road to 159th Street
- Old Orchard Road – Woods Drive to Skokie Boulevard
- Quentin Road – Dundee Road to Lake Cook Road
- Sanders Road – Milwaukee Avenue to Willow Road
- Shoe Factory Road – Essex Drive to east of Beverly Road

Funding has also been programmed for preliminary and design engineering of several Modernization Projects. As the full scopes of these projects develop, appropriate funding for construction will be considered for inclusion in future Transportation Programs.

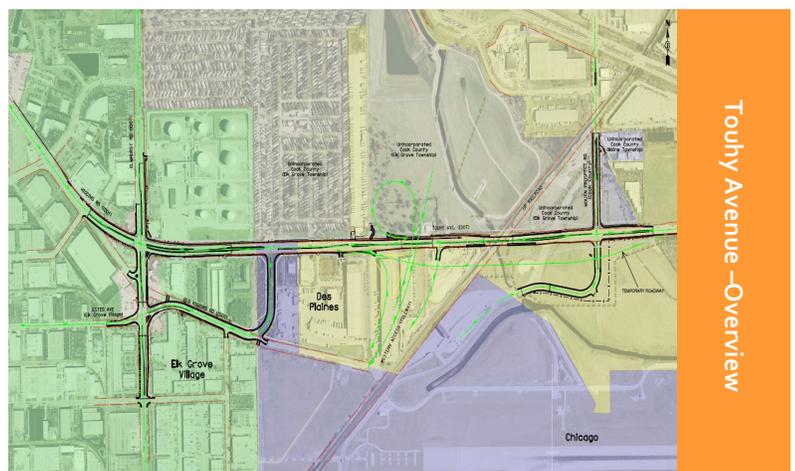
Expansion Projects

Projects in this category involve new roadway construction, multi-use path connections and roadway widening to meet long-term growth needs providing regional transportation and economic benefits. These corridor improvements typically require multi-agency coordination and leverage federal state and local partnerships for funding and execution. Expansion Projects funded in the 2016-2020 Transportation Program total to \$213.1 million, including construction of:

- Central Road - Ela Road to Roselle Road
- County Line Road - At I-294 and North Avenue
- Lake Cook Road Reconstruction – Raupp Boulevard to Hastings Lane
- Joe Orr Road Extension – Torrence Avenue to Burnham Avenue
- Touhy Avenue – Elmhurst Road to Mt Prospect Avenue
- Skokie Valley Trail Bridge over Lake Cook Road – construction of a new pedestrian and bicycle bridge connecting the Skokie Valley Trail from Lake County into Cook County.



The Joe Orr Road extension will provide an East-West Bi-State highway link that will not only reduce congestion but spur economic development in the area.



Touhy Avenue will be fully rebuilt corridor that will focus on the needs of all modes of transportation.

2016-2020 FUNDING ESTIMATES

The 2016-2020 Transportation Program is funded primarily by Motor Fuel Tax (MFT) revenues, supplemented with Federal and State grants, local reimbursements, the balance of the 2012 Cook County Road Construction Bond Program, and bank account interest. Over the next 5 years, a total of \$656.3 million is estimated in transportation revenue (see Figure 3).

Revenues

The MFT revenue collected, administered, and allocated by the State of Illinois, is a fixed amount per gallon of fuel purchased. Therefore, rising fuel prices do not result in increased revenues, as a percentage tax would. As fuel prices have increased over the past decade, fewer miles are being driven and automobiles have become more fuel-efficient. This trend has resulted in significant decline in MFT receipts, although construction costs have continued to rise creating a structural gap in funding. MFT revenues in the past 3 years have been relatively constant and are projected to remain constant for the purposes of developing this Program.

Federal and State programs offer competitive grant funding for projects that meet certain criteria, and the Department continues to pursue partnerships with local

and regional agencies which position us to receive this grant funding. Approximately \$101.3 million from Federal Surface Transportation Program (STP) and the Congestion Mitigation and Air Quality Program (CMAQ) has been secured for projects in this Plan. This funding is primarily associated with the regionally significant County Line Road, Touhy Avenue and Lake Cook Road projects. Further, \$6.8 million in federal funds specifically for bridge replacement projects is included in the 2016-2020 Program. The Department will continue to pursue federal funding for regionally significant projects, including the Joe Orr Road extension to the State of Indiana and the Vollmer Road vertical clearance improvement, as well as smaller, targeted enhancement projects.

Collaboration with the State and local municipalities in recent years has resulted in success securing new State and Federal funding sources related to economic development for a number of projects in the 2016-2020 Program, including \$5.06 million in IDOT Economic Development Program (EDP) funds for 131st Street, 134st Street and 156th Street projects, \$1.27 million in federal Community Development Block Grant funding for 156th Street project, and \$2.5 million in Illinois Department of Commerce and Economic Opportunity funds for the 167th Street project.

Finally, local reimbursements from municipalities, the Metropolitan Water Reclamation District, and the Illinois State Toll Highway Authority provide project funding to support collaborative improvements which impact multiple jurisdictions and involve multi-agency coordination.

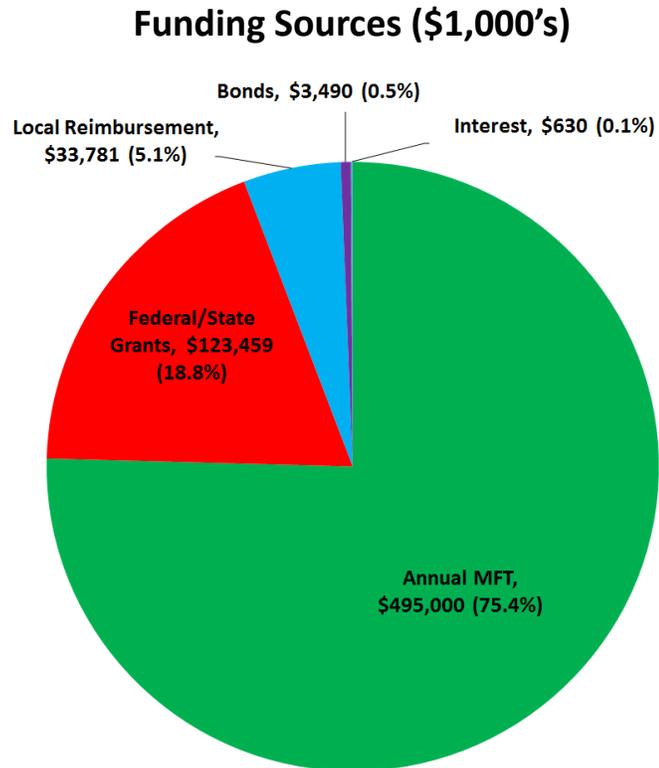


Figure 3

Expenditures

The majority of revenues received is expended in the 2016-2020 Program improvements which include construction, engineering, land acquisition for highway improvements, and an allocation of funds for the new LRTP Project Implementation, as well as maintenance contracts and materials. The remaining revenue is allocated to Public Safety, bond service fees, and Department operations to support daily maintenance of the County highway system (see Figure 4). Starting in 2017, the allocation to Public Safety ceases with the end of Motor Fuel Tax diversions. This action, a priority of the 2040 LRTP calling for increased transportation infrastructure investment, is one of many implementation action items already undertaken by the Cook County Board President.

The Department covers a large jurisdictional area and strives to disperse projects in a strategic fashion to meet the critical needs of the regional transportation system. Though a single regionally significant or major reconstruction project may allocate more funding to one geographical area over another in a short term horizon, the distribution of expenditure is expected to balance over time. Project locations are shown on the maps in Appendix C.

Disbursements (\$1,000's)

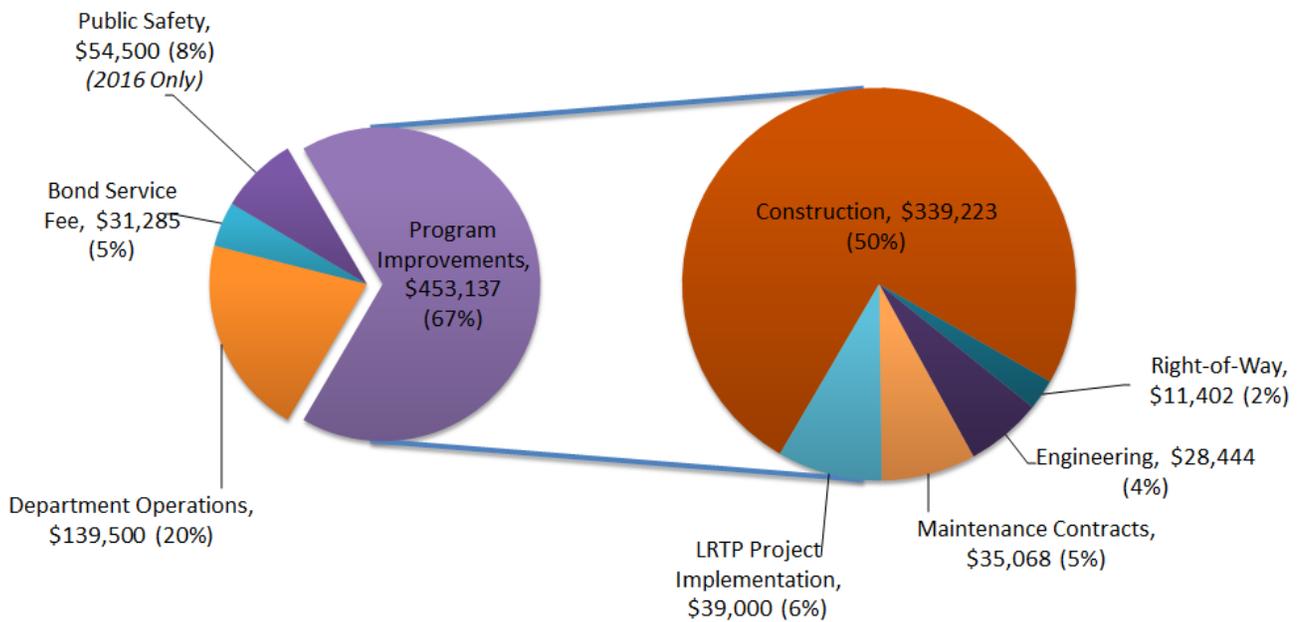
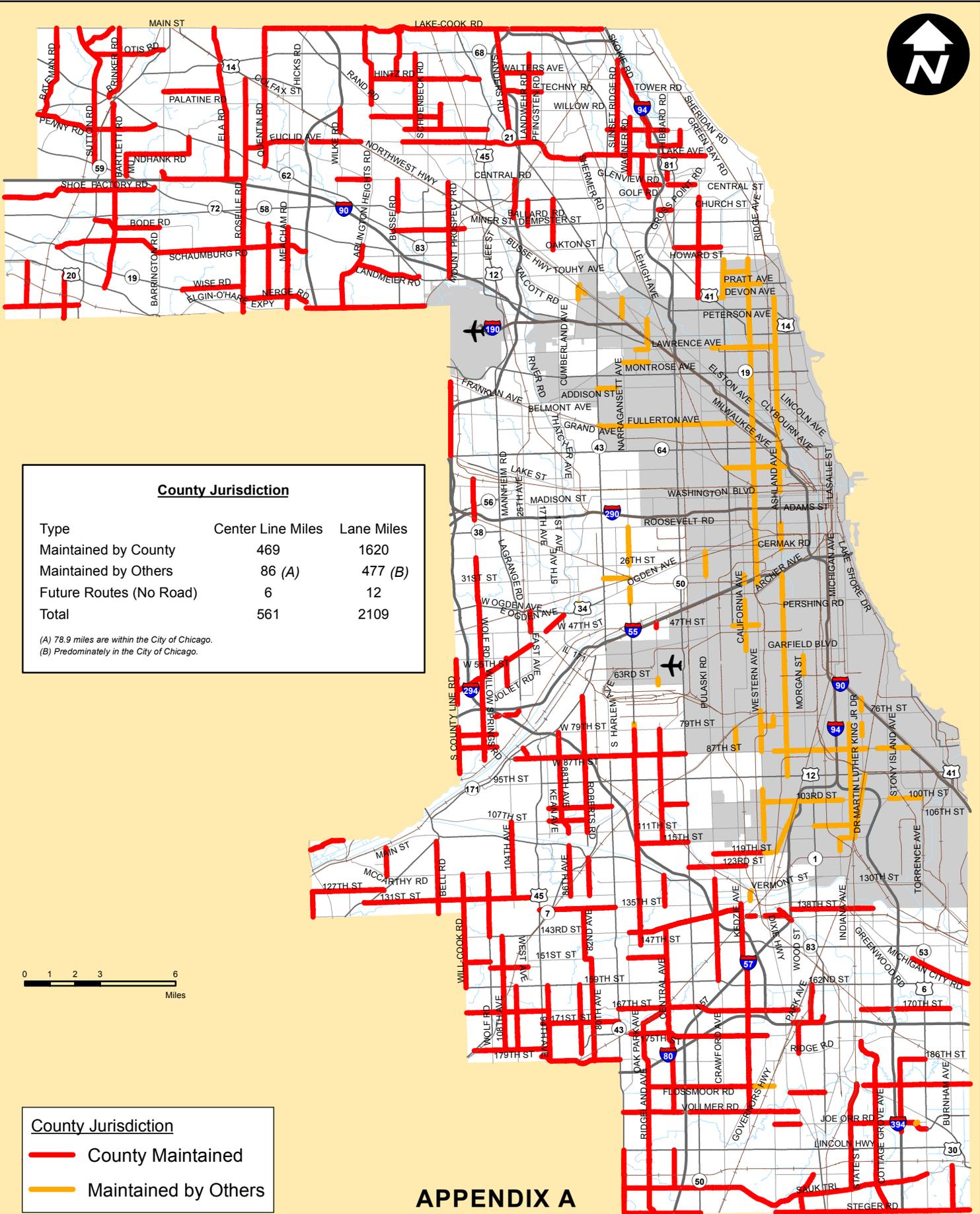


Figure 4

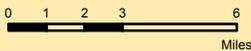
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS JURISDICTION AND MAINTENANCE



County Jurisdiction

Type	Center Line Miles	Lane Miles
Maintained by County	469	1620
Maintained by Others	86 (A)	477 (B)
Future Routes (No Road)	6	12
Total	561	2109

(A) 78.9 miles are within the City of Chicago.
(B) Predominately in the City of Chicago.



County Jurisdiction

- County Maintained
- Maintained by Others

APPENDIX A

APPENDIX B

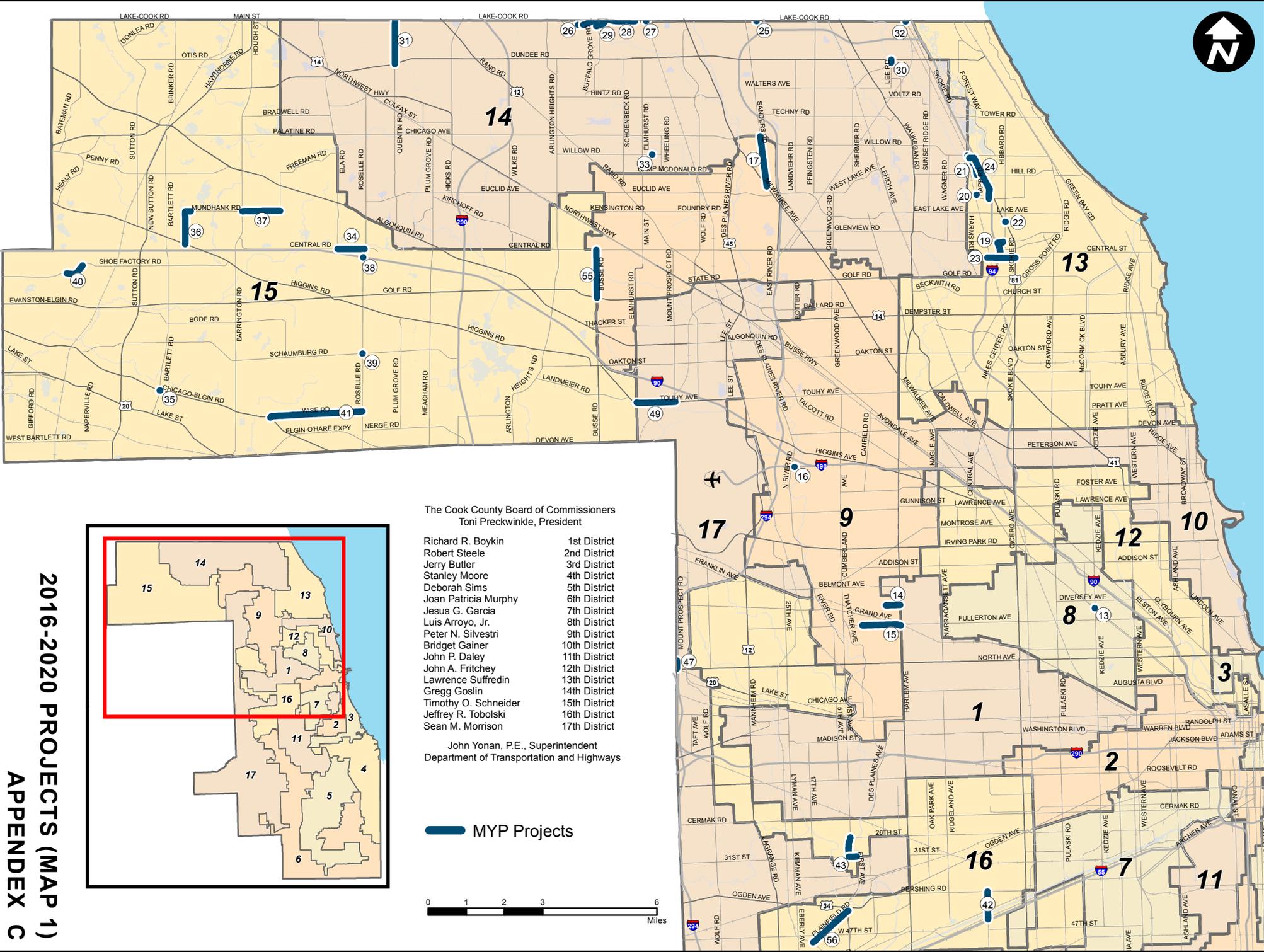
2016-2020 Project Location List

Map ID	Route	Limits	Project Type	Construction Year	Commissioner District
1	134th Street	Halsted Street to Marsden Drive	M	2018	5
2	156th Street	Commercial Avenue to Halsted Street	M	2016	5
3	Flossmoor Avenue	at Kedzie Avenue	P	2017	5
4	Frontage Road	at Crawford Avenue (Approx. 1100 ft. section)	P	2017	5
5	Joe Orr Road	Cottage Grove to Stoney Island	P	2017	5
6	Kedzie Avenue	at 163rd St. Intersection (Approx. 250 ft. section)	P	2017	5
7	Kedzie Ave. Service Drives East & West	143rd Street to 141st Street	P	2017	5
8	80th Avenue	at Timber Drive	M	2016	6
9	Joe Orr Road	Torrence Avenue to Burnham Avenue	E	2017	6
10	Midlothian Turnpike	Central Avenue to Pulaski Road	E	TBD	6
11	Sauk Trail	at Richton Square Road	P	2017	6
12	Sauk Trail	at Lakewood	P	2017	6
13	Kedzie Avenue	at Milwaukee Avenue and Logan BLVD	M	TBD	8
14	Diversey Avenue	75th Avenue to Harlem Avenue	P	2016	9
15	Fullerton Avenue	Webster Street to Harlem Avenue	P	2016	9
16	Rosemont Transit Center	I-90 and River Road	M	2016	9
17	Sanders Road	Milwaukee Avenue to Willow Road	M	2020	9
18	103rd Street	Central Avenue to Cicero Avenue	M	2019	11
19	East Frontage Road (94)	Old Orchard Road north to Glenview Road	P	2017	13
20	Happ Road	over Skokie River	M	2017	13
21	Happ Road	Winnetka Road to Willow Road	M	TBD	13
22	Hibbard Road	at Skokie Boulevard	M	2016	13
23	Old Orchard Road	Woods Drive to Edens Expressway to Skokie Boulevard	M	2019	13
24	West Frontage Road	Illinois Road to Happ Road	P	2017	13
25	Lake Cook Road	at Takeda Parkway	P	2017	14
26	Lake Cook Road	over Buffalo Creek	P	2016	14
27	Lake Cook Road	over Wisconsin Central Railroad	P	2016	14
28	Lake Cook Road	Raupp Boulevard to Hastings Drive (Contract 1)	E	2018	14
29	Lake Cook Road	Raupp Boulevard to Hastings Drive (Contract 2)	E	2018	14
30	Lee Road	Shermer Road to Dundee Road	M	2018	14
31	Quentin Road	Dundee Road to Lake Cook Road	M	2019	14
32	Skokie Valley Bike Trail	over Lake Cook Road	E	2018	14
33	Willow Road	at Hillcrest Lake	M	2018	14
34	Central Road	Ela Road to Roselle Road	E	2017	15
35	Irving Park Road	at Bartlett Road	M	2017	15
36	Mundhank Road	Higgins Road to Meadow Court	P	2017	15
37	Mundhank Road	Barrington Road to Freeman Road	P	2017	15
38	Roselle Road	over Jane Addams Memorial Tollway (I-90)	M	2016-2017	15
39	Schaumburg Road	at Roselle Road	M	2017	15
40	Shoe Factory Road	Essex Drive to east of Beverly Road	M	2019	15
41	Wise Road	Roselle Road to Irving Park Road	P	2017	15
42	Central Avenue	North of I-55 to Pershing Road	P	TBD	16
43	Riverside - Brookfield Trail Connection	31st St. from First Ave to Golfview Rd., Golfview Rd./First Ave from 31st St. to 26th St.	E	2016	16
44	108th Avenue	167th Street to 159th Street	M	2019	17
45	Various Location	175th Street, Ridgeland Avenue, Oak Forest Avenue	P	TBD	17
46	County Line Road	at Carriage Way Drive	M	TBD	17
47	County Line Road	I-294 to North Ave	E	2017	17
48	Roberts Road	111th Street to 107th Street	M	TBD	17
49	Touhy Avenue	Elmhurst Road to Mount Prospect Road	E	2018	17
50	131st Street	Pulaski Road to Kedzie Avenue	M	2018	5, 6
51	Kedzie Avenue	Flossmoor Road to 159th Street	M	2019	5, 6
52	Pulaski Avenue	127th Street to 143rd Street	M	TBD	5, 6
53	Vollmer Road	Kedzie Avenue to Western Avenue	M	TBD	5, 6
54	Roberts Road	108th Street to 86th Street	P	2018	6, 17
55	Busse Road	Golf Road to Central Road	M	TBD	9, 15
56	Plainfield Road	County Line Road to 1st Avenue	M	TBD	16,17

See APPENDIX C for map locations

Project Type

- P – Preservation Projects
- M – Modernization Projects
- E – Expansion Projects

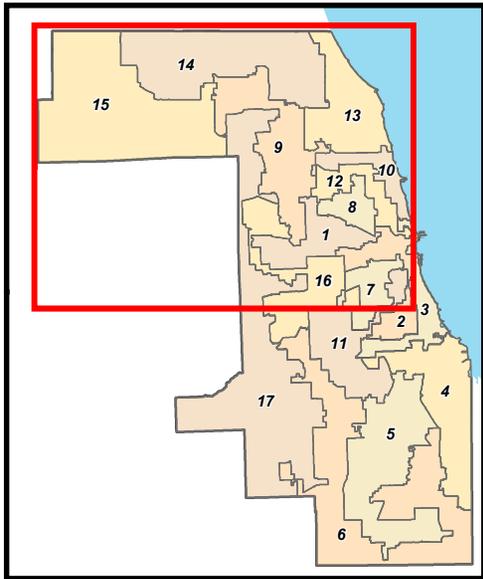


The Cook County Board of Commissioners
Toni Preckwinkle, President

- Richard R. Boykin 1st District
- Robert Steele 2nd District
- Jerry Butler 3rd District
- Stanley Moore 4th District
- Deborah Sims 5th District
- Joan Patricia Murphy 6th District
- Jesus G. Garcia 7th District
- Luis Arroyo, Jr. 8th District
- Peter N. Silvestri 9th District
- Bridget Gainer 10th District
- John P. Daley 11th District
- John A. Fritchey 12th District
- Lawrence Suffredin 13th District
- Gregg Goslin 14th District
- Timothy O. Schneider 15th District
- Jeffrey R. Tobolski 16th District
- Sean M. Morrison 17th District

John Yonan, P.E., Superintendent
Department of Transportation and Highways

— MYP Projects

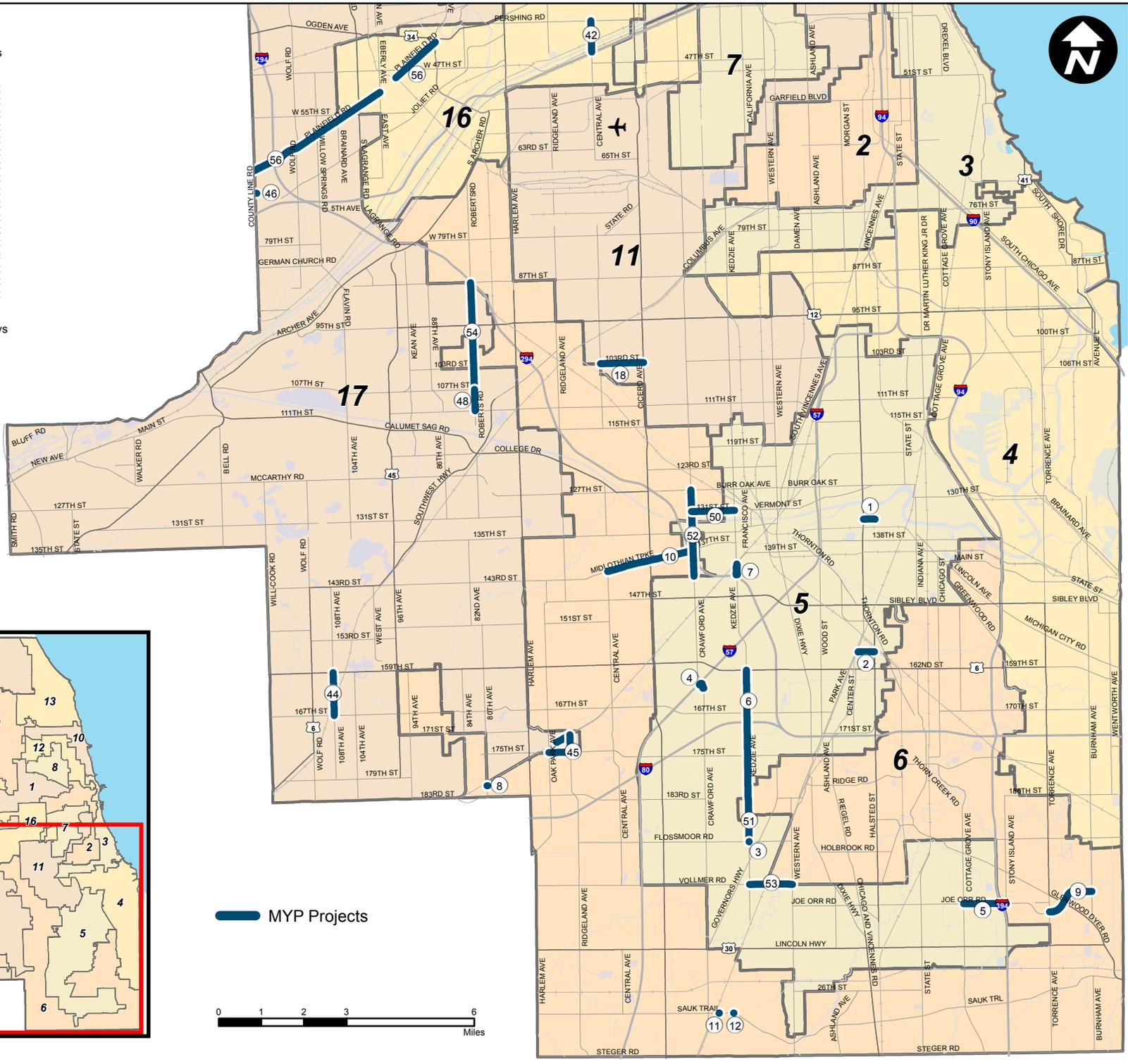


2016-2020 PROJECTS (MAP 1)
APPENDIX C

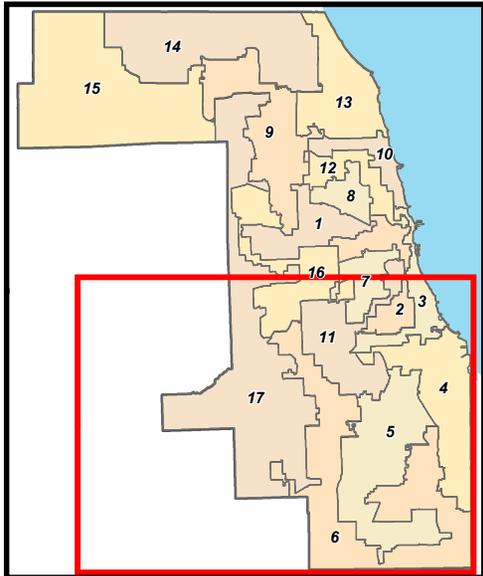
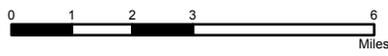
The Cook County Board of Commissioners
Toni Preckwinkle, President

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- Timothy O. Schneider 15th District
- Jeffrey R. Tobolski 16th District
- Sean M. Morrison 17th District

John Yonan, P.E., Superintendent
Department of Transportation and Highways



MYP Projects



**2016-2020 PROJECTS (MAP 2)
APPENDIX C**

Appendix D — 2016-2020 Program

Glossary of Terms

Sample

Cook County Department of Transportation and Highways
2016-2020 Program

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding
13	M	Skokie	Old Orchard Road	Woods Drive to Skokie Blvd. (US-41)	0.67	Pavement Reconstruction, Bridge Rehabilitation	Prelim. Engineering ROW	M	\$1,910					\$1,910		
							Engineering Construction	M, F, S	\$110			\$17,739		\$17,849		
							Project Total		\$2,020	\$0	\$0	\$17,739		\$19,769	\$3,859	\$15,900
Various	P	Various	Pavement Preservation & Rehabilitation	Various Locations North	-	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering ROW									
							Engineering Construction	M	H	H	H	H	H	\$16,500		
							Project Total		\$0	\$4,000	\$4,500	\$4,000	\$4,000	\$16,500	\$6,500	\$0
Various	P	Various	Pavement Preservation & Rehabilitation	Various Locations South	-	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering ROW									
							Engineering Construction	M	H	H	H	H	H	\$18,500		
							Project Total		\$0	\$6,000	\$4,500	\$4,000	\$4,000	\$18,500	\$8,500	\$0
4, 5, 6	P	Thornton Township	Pavement Rehabilitation Supplement {Township Letting}	Various Locations	-	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering ROW									
							Engineering Construction	M	\$200					\$200	C	
							Project Total		\$200	\$0	\$0	\$0	\$0	\$200	\$200	\$0

Project Type

P	Preservation Project
M	Modernization Project
E	Expansion Project

Funding Type

M	Motor Fuel Tax	County Share
F	Federal Funding	Outside Funding
	Local Funding (includes Illinois Tollway, Metropolitan Water Reclamation District, Municipalities, etc)	
B	Bond Funding	
S	State Funding	

Fiscal Year Notes

H	In-House engineering cost not shown
C	Construction let by others, only County contribution shown

**Cook County Department of Transportation and Highways
2016-2020 Transportation Program**

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding						
11	M	Oak Lawn	103rd Street	Central Avenue to Cicero Avenue	1.0	Pavement Reconstruction, Traffic Signal Modernization, Multi-Use Path	Prelim. Engineering								\$0							
							ROW									\$0						
							Engineering												\$0			
							Construction	M									\$4,500		\$4,500	C		
							Project Total								\$0	\$0	\$0	\$4,500	\$0	\$4,500	\$4,500	\$0
17	M	Orland Park	108th Avenue	167th Street to 159th Street	1.01	3 Lane Pavement Reconstruction, Drainage Improvements, Shared Use Path	Prelim. Engineering	M	\$400						\$400							
							ROW	M				\$100			\$100							
							Engineering						H						\$0			
							Construction	M									\$9,000		\$9,000			
							Project Total								\$400	\$0	\$100	\$9,000	\$0	\$9,500	\$9,500	\$0
5, 6	M	Alsip	131st Street	Pulaski Road to Kedzie Avenue	1.0	Pavement Reconstruction	Prelim. Engineering	M	\$50						\$50							
							ROW															
							Engineering	M, S			\$300								\$300			
							Construction	F, S				\$5,330							\$5,330			
							Project Total								\$50	\$300	\$5,330	\$0	\$0	\$5,680	\$200	\$5,480
5	M	Riverdale	134th Street	Halsted Street to Marsden Drive	0.27	Drainage Improvements, Traffic Signal Modernization, Pavement Reconstruction	Prelim. Engineering	F, S	\$226						\$226							
							ROW															
							Engineering	F, S			\$226								\$226			
							Construction	F, S				\$3,120							\$3,120			
							Project Total								\$226	\$226	\$3,120	\$0	\$0	\$3,572	\$0	\$3,572
5	M	Harvey	156th Street	Commercial Avenue to Halsted St	0.7	Pavement Reconstruction, Storm Sewer Improvements	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	F, S			\$2,548								\$2,548			
							Project Total								\$2,548	\$0	\$0	\$0	\$0	\$2,548	\$0	\$2,548
6	M	Tinley Park	80th Avenue (Village Letting)	at Timber Drive	-	Traffic Signal Installation and interconnection	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	M			\$235								\$235	C		
							Project Total								\$235	\$0	\$0	\$0	\$0	\$235	\$235	\$0
Various	P	Various	Bridge Repairs	Various Locations South	-	Bridge Repairs	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	M			\$750						\$750		\$1,500			
							Project Total								\$0	\$750	\$0	\$750	\$0	\$1,500	\$1,500	\$0
Various	P	Various	Bridge Repairs	Various Locations North	-	Bridge Repairs	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	M			\$750						\$750		\$1,500			
							Project Total								\$0	\$0	\$750	\$0	\$750	\$1,500	\$1,500	\$0
9, 15	M	Mt. Prospect	Busse Road	Golf Road to Central Road	1.24	Pavement Reconstruction and Multi-Use Path	Prelim. Engineering	M	\$500						\$500							
							ROW															
							Engineering												\$0			
							Construction												\$0			
							Project Total								\$500	\$0	\$0	\$0	\$0	\$500	\$500	\$0
16	P	Stickney, Forest View	Central Avenue	North of I-55 to Pershing Road	-	Bridge Deck Replacement	Prelim. Engineering					\$300			\$300							
							ROW															
							Engineering										\$2,000		\$2,000			
							Construction	M											\$0			
							Project Total								\$0	\$0	\$300	\$0	\$2,000	\$2,300	\$2,300	\$0

**Cook County Department of Transportation and Highways
2016-2020 Transportation Program**

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding
15	E	Hoffman Estates, Schaumburg, Schaumburg Township	Central Road	Ela Road to Roselle Road	0.7	4 Lane Reconstruction with Median	Prelim. Engineering ROW Engineering Construction	M		\$10,000				\$0 \$0 \$0 \$10,000	\$10,000	\$0
17	M	Burr Ridge	County Line Road	at Carriage Way Drive	-	Pavement Reconstruction and Rehabilitation	Prelim. Engineering ROW Engineering Construction	M	\$100	\$600				\$700 \$0 \$0 \$0	\$700	\$0
17	E	North Lake, Elmhurst	County Line Road	I-294 to North Ave	2.37	New Roadway Construction, Pavement Reconstruction, Intersection Reconfiguration	Prelim. Engineering ROW Engineering Construction	F, L		\$32,646				\$0 \$0 \$0 \$32,646	\$0	\$32,646
Various	M/E	Various	Countywide	Various Locations	-	L RTP Implementation Projects	Prelim. Engineering ROW Engineering Construction	M	\$4,000	\$8,500	\$8,500	\$9,000	\$9,000	\$0 \$0 \$0 \$39,000	\$39,000	\$0
Various	P	Various	Diamond Grinding	Various Locations		Concrete Roadway Diamond Grinding	Prelim. Engineering ROW Engineering Construction	M	\$569	\$0	\$0	\$0	\$0	\$0 \$0 \$0 \$569	\$569	\$0
9	P	Elmwood Park	Diversey Avenue	75th Avenue to Harlem Avenue	0.37	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering ROW Engineering Construction	M	\$135	\$0	\$0	\$0	\$0	\$0 \$0 \$0 \$135	\$135	\$0
13	P	Wilmette, Skokie	East Frontage Road (94) (Pavement Preservation & Rehabilitation)	Old Orchard Road north to Glenview Road	0.61	Hot-Mix Asphalt Resurfacing with Patching	Prelim. Engineering ROW Engineering Construction	M		\$426				\$0 \$0 \$0 \$426	\$426	\$0
17	E	Various	Elgin O'Hare Western Access (EOWA)	Western Access	-	Corridor Enhancement Study	Prelim. Engineering ROW Engineering Construction	M	\$200	\$0	\$0	\$0	\$0	\$200 \$0 \$0 \$0	\$200	\$0
5	P	Flossmoor	Flossmoor Avenue (Pavement Preservation & Rehabilitation)	at Kedzie Avenue	0.2	Joint Repair and PCC Patching	Prelim. Engineering ROW Engineering Construction	M		\$78				\$0 \$0 \$0 \$78	\$78	\$0
5	P	Markham	Frontage Road (Pavement Preservation & Rehabilitation)	at Crawford Ave. (Approx. 1100 ft. section)	0.21	Hot-Mix Asphalt Resurfacing	Prelim. Engineering ROW Engineering Construction	M		\$256				\$0 \$0 \$0 \$256	\$256	\$0

**Cook County Department of Transportation and Highways
2016-2020 Transportation Program**

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding					
9	P	Elmwood Park	Fullerton Avenue	Webster Street to Harlem Avenue	1.00	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering								\$0						
							ROW									\$0					
							Engineering												\$0		
							Construction	M	\$135										\$135	C	
							Project Total		\$135	\$0	\$0	\$0	\$0	\$0	\$135	\$135	\$0				
13	M	Wilmette, Northfield	Happ Road	over Skokie River	-	Bridge Removal and Replacement	Prelim. Engineering								\$0						
							ROW									\$0					
							Engineering												\$0		
							Construction	M, F	\$4,000										\$4,000		
							Project Total		\$0	\$4,000	\$0	\$0	\$0	\$0	\$4,000	\$880	\$3,120				
13	M	Northfield	Happ Road	Winnetka Road to Willow Road	0.57	Pavement Reconstruction, Intersection Improvement	Prelim. Engineering	M	\$500						\$500						
							ROW									\$0					
							Engineering												\$0		
							Construction												\$0		
							Project Total		\$500	\$0	\$0	\$0	\$0	\$500	\$500	\$0					
13	M	Wilmette	Hibbard Road (IDOT Letting)	at Skokie Blvd.	-	Intersection Improvements, Traffic Signal Installation	Prelim. Engineering								\$0						
							ROW									\$0					
							Engineering												\$0		
							Construction	M	\$300										\$300	C	
							Project Total		\$300	\$0	\$0	\$0	\$0	\$300	\$300	\$0					
15	M	Streamwood	Irving Park Road	at Bartlett Road		Intersection Improvements, Traffic Signal Modernization	Prelim. Engineering								\$0						
							ROW	M	\$325								\$325				
							Engineering	M	\$10										\$10		
							Construction	M	\$453										\$453	C	
							Project Total		\$10	\$778	\$0	\$0	\$0	\$788	\$788	\$0					
6	E	Lynwood	Joe Orr Road	Torrence Avenue to Burnham Avenue	1.15	New Roadway Construction, 4 Lanes with Median	Prelim. Engineering								\$0						
							ROW	M	\$750									\$750			
							Engineering												\$0		
							Construction	B, M	\$12,200										\$12,200		
							Project Total		\$750	\$12,200	\$0	\$0	\$0	\$12,950	\$12,950	\$0					
5	P	Ford Heights, Lynwood, Glenwood, Bloom TWP	Joe Orr Road (Pavement Preservation & Rehabilitation)	Cottage Grove to Stony Island	1.23	Hot-Mix Asphalt Resurfacing	Prelim. Engineering								\$0						
							ROW											\$0			
							Engineering												\$0		
							Construction	M	\$1,073										\$1,073		
							Project Total		\$0	\$1,073	\$0	\$0	\$0	\$1,073	\$1,073	\$0					
5	P	Blue Island, Robbins	Kedzie Ave. Service Drives East & West (Pavement Preservation & Rehabilitation)	143rd Street to 141st Street	0.45	Hot-Mix Asphalt Resurfacing	Prelim. Engineering								\$0						
							ROW											\$0			
							Engineering												\$0		
							Construction	M	\$336										\$336		
							Project Total		\$0	\$336	\$0	\$0	\$0	\$336	\$336	\$0					
8	M	Chicago	Kedzie Avenue	at Milwaukee Avenue and Logan Blvd	-	Intersection Improvements	Prelim. Engineering								\$0						
							ROW											\$0			
							Engineering	M	\$240										\$240		
							Construction												\$0	C	
							Project Total		\$240	\$0	\$0	\$0	\$0	\$240	\$240	\$0					
5, 6	M	Markham, Flossmoor, Homewood	Kedzie Avenue	Flossmoor Road to 159th Street	4.01	Pavement Patching and Pavement Resurfacing	Prelim. Engineering	M, F	\$600						\$600						
							ROW											\$0			
							Engineering	M											\$1,000		
							Construction	M, F	\$4,500										\$4,500		
							Project Total		\$0	\$600	\$1,000	\$4,500	\$0	\$6,100	\$4,100	\$2,000					

**Cook County Department of Transportation and Highways
2016-2020 Transportation Program**

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding					
5	P	Markham	Kedzie Avenue (Pavement Preservation & Rehabilitation)	at 163rd St. Intersection (Approx. 250 ft. section)	-	Hot-Mix Asphalt Resurfacing	Prelim. Engineering								\$0						
							ROW									\$0					
							Engineering												\$0		
							Construction	M		\$141									\$141		
							Project Total			\$0	\$141	\$0	\$0	\$0	\$0	\$141	\$141	\$0			
14	P	Buffalo Grove	Lake Cook Road (Bridge Repairs 2016)	over Buffalo Creek	-	Joint Replacement, Deck and Structural Repairs	Prelim. Engineering								\$0						
							ROW									\$0					
							Engineering												\$0		
							Construction	M	\$218										\$218		
							Project Total			\$218	\$0	\$0	\$0	\$0	\$218	\$218	\$0				
14	P	Buffalo Grove	Lake Cook Road (Bridge Repairs 2016)	over Wisconsin-Central Railroad	-	Joint Replacement, Deck and Structural Repairs	Prelim. Engineering								\$0						
							ROW									\$0					
							Engineering												\$0		
							Construction	M	\$366										\$366		
							Project Total			\$366	\$0	\$0	\$0	\$0	\$366	\$366	\$0				
14	E	Buffalo Grove, Wheeling, Northbrook, Northfield TWP	Lake Cook Road (Contract 1)	Raupp Blvd to Hastings Lane (Weiland Road Extension)	1.47	Pavement Reconstruction, New Roadway Construction, Bridge Improvements, Traffic Signal Improvements	Prelim. Engineering								\$0						
							ROW	M	\$5,000							\$5,000					
							Engineering												\$0		
							Construction	M, F, L		\$32,339									\$32,339		
							Project Total			\$0	\$0	\$0	\$0	\$0	\$37,339	\$19,404	\$17,935				
14	E	Buffalo Grove, Wheeling, Northbrook, Northfield TWP	Lake Cook Road (Contract 2)	Raupp Blvd to Hastings Lane (Buffalo Grove Road to Illinois Route 83/McHenry Road)	1.21	Pavement Reconstruction, Intersection and Traffic Signal Improvements	Prelim. Engineering								\$0						
							ROW	M	\$2,500							\$2,500					
							Engineering												\$0		
							Construction	M, F, L	\$7,500	\$17,023	\$49,362	\$0	\$0			\$19,523	\$9,887	\$9,636			
							Project Total			\$7,500	\$0	\$49,362	\$0	\$0	\$19,523	\$9,887	\$9,636				
14	P	Northbrook	Lake Cook Road (Pavement Preservation & Rehabilitation)	at Takeda Parkway	0.13	Hot-Mix Asphalt Resurfacing	Prelim. Engineering								\$0						
							ROW														
							Engineering												\$0		
							Construction	M		\$271									\$271		
							Project Total			\$0	\$271	\$0	\$0	\$0	\$271	\$271	\$0				
14	M	Northbrook	Lee Road (IDOT Letting)	Shermer Road to Dundee Road	0.08	Pavement Reconstruction	Prelim. Engineering								\$0						
							ROW														
							Engineering												\$0		
							Construction	M		\$150									\$150		
							Project Total			\$0	\$0	\$150	\$0	\$0	\$150	\$150	\$0				
5, 6	E	Chicago Heights, Ford Heights, Sauk Village	Lincoln Highway Logistics Corridor Study	Chicago Road to I-394, Joe Orr Rd to Sauk Trail	-	Corridor Enhancement Study	Prelim. Engineering	F	\$225						\$225						
							ROW														
							Engineering												\$0		
							Construction												\$0		
							Project Total			\$225	\$0	\$0	\$0	\$0	\$225	\$0	\$225				
6	E	Crestwood	Midlothian Turnpike Sidewalks/Bike Path	Central Avenue to Pulaski Road	2.07	Multi-Use Path	Prelim. Engineering	M	\$34						\$34						
							ROW														
							Engineering	M	\$27												
							Construction												\$0		
							Project Total			\$61	\$0	\$0	\$0	\$0	\$61	\$61	\$0				
15	P	South Barrington	Mundhank Road	Higgins Road to Meadow Court	0.96	Pavement Patching, Pavement Resurfacing, Drainage Improvements	Prelim. Engineering								\$0						
							ROW														
							Engineering												\$0		
							Construction	M		\$1,000									\$1,000		
							Project Total			\$0	\$1,000	\$0	\$0	\$0	\$1,000	\$1,000	\$0				

**Cook County Department of Transportation and Highways
2016-2020 Transportation Program**

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding					
15	P	South Barrington	Mundhank Road (Pavement Preservation & Rehabilitation)	Barrington Road to Freeman Road	0.96	Hot-Mix Asphalt Resurfacing with Patching	Prelim. Engineering								\$0						
							ROW									\$0					
							Engineering												\$0		
							Construction	M		\$870									\$870		
							Project Total			\$0	\$870	\$0	\$0	\$0	\$0	\$870	\$870	\$0			
13	M	Skokie	Old Orchard Road	Woods Drive to Skokie Blvd. (US-41)	0.67	Pavement Reconstruction, Bridge Rehabilitation	Prelim. Engineering								\$0						
							ROW	M	\$1,910							\$1,910					
							Engineering												\$0		
							Construction	M, F, S	\$110			\$17,739				\$17,849					
							Project Total		\$2,020	\$0	\$0	\$17,739			\$19,759	\$3,859	\$15,900				
Various	P	Various	Pavement Preservation & Rehabilitation	Various Locations North	-	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering								\$0						
							ROW														
							Engineering		H	H	H	H	H								
							Construction	M		\$4,000	\$4,500	\$4,000	\$4,000			\$16,500					
							Project Total		\$0	\$4,000	\$4,500	\$4,000	\$4,000		\$16,500	\$16,500	\$0				
Various	P	Various	Pavement Preservation & Rehabilitation	Various Locations South	-	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering								\$0						
							ROW														
							Engineering		H	H	H	H	H								
							Construction	M		\$6,000	\$4,500	\$4,000	\$4,000			\$18,500					
							Project Total		\$0	\$6,000	\$4,500	\$4,000	\$4,000		\$18,500	\$18,500	\$0				
4, 5, 6	P	Thornton Township	Pavement Rehabilitation Supplement (Township Letting)	Various Locations	-	Hot-Mix Asphalt Resurfacing and/or Concrete Patching	Prelim. Engineering								\$0						
							ROW														
							Engineering														
							Construction	M	\$200							\$200 C					
							Project Total		\$200	\$0	\$0	\$0	\$0		\$200	\$200	\$0				
16, 17	M	Various	Plainfield Road	County Line Road to 1st Avenue	4.43	Pavement Reconstruction, Drainage Improvement	Prelim. Engineering	M		\$700					\$700						
							ROW														
							Engineering														
							Construction														
							Project Total		\$0	\$700	\$0	\$0	\$0		\$700	\$700	\$0				
5, 6	M	Alsip, Crestwood, Robbins	Pulaski Ave	127th Street to 143rd Street	1.93	Pavement Reconstruction	Prelim. Engineering	M		\$700					\$700						
							ROW														
							Engineering														
							Construction														
							Project Total		\$0	\$700	\$0	\$0	\$0		\$700	\$700	\$0				
14	M	Deer Park, Palatine	Quentin Road	Dundee Road to Lake Cook Road	1.15	Pavement Reconstruction, Bridge Replacement, Shared Use Path	Prelim. Engineering								\$0						
							ROW														
							Engineering	M		\$1,500						\$1,500					
							Construction	M, F				\$18,000			\$18,000						
							Project Total		\$0	\$1,500	\$0	\$18,000	\$0	\$19,500	\$15,820	\$3,680					
16	E	Brookfield, Riverside	Riverside - Brookfield Trail Connection	31st St. from First Ave to Golfview Rd., Golfview Rd./First Ave from 31st St. to 26th St.	-	Multi-Use Path	Prelim. Engineering								\$0						
							ROW														
							Engineering														
							Construction	M	\$600						\$600 C						
							Project Total		\$600	\$0	\$0	\$0	\$0		\$600	\$600	\$0				
17	M	Palos Hills	Roberts Road	111th Street to 107th Street	-	Traffic Signal Modernization and Channelization	Prelim. Engineering	M	\$24						\$24						
							ROW	M		\$17					\$17						
							Engineering	M		\$17					\$17						
							Construction								\$0						
							Project Total		\$24	\$34	\$0	\$0	\$0		\$58	\$58	\$0				

**Cook County Department of Transportation and Highways
2016-2020 Transportation Program**

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding						
6, 17	P	Palos Hills, Hickory Hills, Justice, Bridgeview	Roberts Road	108th Street to 86th Street	2.6	Hot-Mix Asphalt Resurfacing, Concrete Patching and Overlay	Prelim. Engineering								\$0							
							ROW									\$0						
							Engineering		H	H									\$0			
							Construction	M								\$5,100				\$5,100		
							Project Total								\$0	\$0	\$5,100	\$0	\$0	\$5,100	\$5,100	\$0
15	M	Schaumburg	Roselle Road (ISTHA Letting)	over Jane Addams Memorial Tollway (I-90)	0.66	Bridge Replacement, 4 Lane Reconstruction, Traffic Signal Improvements	Prelim. Engineering								\$0							
							ROW															
							Engineering													\$0		
							Construction	M							\$4,757	\$4,757				\$9,514	C	
							Project Total								\$4,757	\$4,757	\$0	\$0	\$0	\$9,514	\$9,514	\$0
9	M	Rosemont	Rosemont Transit Center	I-90 and River Road	-	Transit Parking Lot Improvements	Prelim. Engineering								\$0							
							ROW															
							Engineering													\$0		
							Construction	M							\$825					\$825		
							Project Total								\$825	\$0	\$0	\$0	\$0	\$825	\$0	\$825
9	M	Prospect Heights, Glenview, Northfield TWP	Sanders Road	Milwaukee Avenue to Willow Road	2.2	Pavement Reconstruction	Prelim. Engineering	M	\$400						\$400							
							ROW															
							Engineering			H									\$0			
							Construction	M									\$7,000		\$7,000			
							Project Total			\$400	\$0	\$0	\$0	\$0	\$7,000	\$7,400	\$7,400	\$7,400	\$7,400	\$7,400	\$7,400	\$0
6	P	Park Forest	Sauk Trail (Pavement Preservation & Rehabilitation)	at Lakewood	-	PCC Patching and Diamond Grinding	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	M								\$232			\$232			
							Project Total			\$0	\$232	\$0	\$0	\$0	\$0	\$232	\$232	\$232	\$232	\$232	\$232	\$0
6	P	Richton Park	Sauk Trail (Pavement Preservation & Rehabilitation)	at Richton Square Road	-	PCC Patching and Diamond Grinding	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	M								\$341			\$341			
							Project Total			\$0	\$341	\$0	\$0	\$0	\$0	\$341	\$341	\$341	\$341	\$341	\$341	\$0
15	M	Schaumburg	Schaumburg Road	at Roselle Road	-	Traffic Signal Modernization and Channelization	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	M								\$820			\$820			
							Project Total			\$0	\$820	\$0	\$0	\$0	\$0	\$820	\$820	\$820	\$820	\$820	\$820	\$0
15	M	Hoffman Estates	Shoe Factory Road	Essex Drive to East of Beverly Road	0.51	Pavement Reconstruction to 4 Lanes with Median	Prelim. Engineering								\$0							
							ROW	M	\$500													
							Engineering												\$0			
							Construction	M								\$7,890			\$7,890			
							Project Total			\$0	\$500	\$0	\$7,890	\$0	\$0	\$8,390	\$8,390	\$8,390	\$8,390	\$6,155	\$2,235	
*Project currently underfunded																						
14	E	Northbrook	Skokie Valley Bike Trail Bridge	over Lake Cook Road	-	New Pedestrian Bridge Construction	Prelim. Engineering								\$0							
							ROW															
							Engineering	M								\$150			\$150			
							Construction	M								\$715			\$715			
							Project Total			\$0	\$150	\$715	\$0	\$0	\$0	\$865	\$865	\$865	\$865	\$865	\$865	\$0
Various	P	Various	Southwest Intersection Group	Various Locations	-	Intersection Improvements	Prelim. Engineering								\$0							
							ROW															
							Engineering												\$0			
							Construction	M								\$2,000			\$2,000			
							Project Total			\$0	\$0	\$0	\$2,000	\$0	\$0	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$0

**Cook County Department of Transportation and Highways
2016-2020 Transportation Program**

County Board District	Project Type	Location	Route	Limits	Miles	Scope of Work	Phase	Funding Type	FY-16	FY-17	FY-18	FY-19	FY-20	Estimated Total Cost (1,000's)	County Funding	Outside Funding
17	E	Elk Grove Village, Des Plaines, Chicago	Touhy Avenue	Elmhurst Road to Mount Prospect Road	0.92	Pavement Reconstruction, New Grade Separations, Intersection Improvements	Prelim. Engineering							\$0		
							ROW							\$0		
							Engineering							\$0		
							Construction	M, F, L			\$79,227			\$79,227		
							Project Total		\$0	\$0	\$79,227	\$0	\$0	\$79,227	\$21,789	\$57,438
Various	M	Various	Various Engineering Professional Service Contracts	Various Locations	-	Engineering Services	Prelim. Engineering	M	\$200	\$1,000	\$1,000	\$1,000	\$1,000	\$4,200		
							ROW	M	\$100	\$50	\$50	\$50	\$50	\$300		
							Engineering	M	\$1,963	\$2,613	\$2,863	\$2,063	\$2,613	\$12,115		
							Construction							\$0		
							Project Total		\$2,263	\$3,663	\$3,913	\$3,113	\$3,663	\$16,615	\$16,615	\$0
							*Additional \$1,300 Preliminary Engineering costs identified within Program for 2016									
17	P	Tinley Park	Various Locations	175th Street, Ridgeland Avenue, Oak Forest Avenue	-	Phase 1 Corridor Study	Prelim. Engineering		\$500					\$500		
							ROW							\$0		
							Engineering							\$0		
							Construction	M						\$0		
							Project Total		\$500	\$0	\$0	\$0	\$0	\$500	\$500	\$0
Various	P	Various	Various Maintenance Contracts	Various Locations	-	Infrastructure Maintenance	Prelim. Engineering							\$0		
							ROW							\$0		
							Engineering							\$0		
							Construction	M	\$8,896	\$6,418	\$5,918	\$6,918	\$6,918	\$35,068		
							Project Total		\$8,896	\$6,418	\$5,918	\$6,918	\$6,918	\$35,068	\$35,068	\$0
5, 6	M	Olympia Fields, Flossmoor	Vollmer Road	Kedzie Avenue to Western Avenue	1.0	Bridge Reconstruction, Pavement Reconstruction, Drainage Improvements	Prelim. Engineering							\$0		
							ROW							\$0		
							Engineering	M		\$600				\$600		
							Construction							\$0		
							Project Total		\$0	\$600	\$0	\$0	\$0	\$600	\$600	\$0
13	P	Northfield	West Frontage Road (Pavement Preservation & Rehabilitation)	Illinois Road to Happ Road	1.17	Hot-Mix Asphalt Resurfacing with Patching	Prelim. Engineering							\$0		
							ROW							\$0		
							Engineering							\$0		
							Construction	M		\$955				\$955		
							Project Total		\$0	\$955	\$0	\$0	\$0	\$955	\$955	\$0
14	M	Prospect Heights	Willow Road (MWRD Letting)	at Hillcrest Lake	-	Pavement Reconstruction-Flood Mitigation	Prelim. Engineering							\$0		
							ROW							\$0		
							Engineering							\$0		
							Construction	M			\$737			\$737		
							Project Total		\$0	\$0	\$737	\$0	\$0	\$737	\$737	\$0
15	P	Schaumburg	Wise Road	Roselle Road to Irving Park Road	2.41	Pavement Patching and Curb and Gutter Replacement	Prelim. Engineering							\$0		
							ROW							\$0		
							Engineering							\$0		
							Construction	M		\$5,000				\$5,000		
							Project Total		\$0	\$5,000	\$0	\$0	\$0	\$5,000	\$5,000	\$0

Note: Project totals does NOT reflect previous fiscal year expenses

Total - Projects														\$453,137	\$295,897	\$157,240
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Totals by Project Type

Preservation (P)	\$95,570
Modernization (M)	\$144,431
Expansion (E)	\$213,136
Total	\$453,137

Phase	FY 16	FY 17	FY 18	FY 19	FY 20	Total
Prelim. Engineering	\$3,359	\$3,600	\$1,300	\$1,000	\$1,000	\$10,259
ROW	\$10,260	\$892	\$150	\$50	\$50	\$11,402
Engineering	\$2,240	\$5,406	\$3,863	\$2,063	\$4,613	\$18,185
Construction/Maintenance	\$23,894	\$101,523	\$167,909	\$88,297	\$31,668	\$413,291
Total	\$39,753	\$111,421	\$173,222	\$91,410	\$37,331	\$453,137