

**Department of Highways  
County of Cook  
Highway Transportation Plan  
2010 through 2014**



**The Honorable Todd H. Stroger  
President,  
Cook County Board of Commissioners**

**Rupert F. Graham, Jr., P.E.  
Superintendent of Highways**



OFFICE OF THE PRESIDENT  
**BOARD OF COMMISSIONERS OF COOK COUNTY**  
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**TODD H. STROGER**  
PRESIDENT

October, 2010

On behalf of the Cook County Board of Commissioners, I am pleased to present the Cook County Highway Department's Highway Improvement Plan for Fiscal Years 2010 – 2014. It should be noted that projects listed in the plan continue to prioritize maintaining our existing infrastructure through rehabilitation/preventive maintenance strategies and comprise the majority of the \$163.6 million programmed for this five year period. The plan also reflects the Cook County Highway Department's efforts to utilize innovative recycled materials and newer asphalt technology in pursuing "Green Initiatives". Our ultimate objective is to ensure a safe and reliable transportation system for the efficient movement of traffic throughout Cook County, while operating within tightening fiscal constraints.

I am proud to announce that the Highway Department received the "Government Official of the Year Award" from the International Grooving and Grinding Association for efforts in support of Concrete Pavement Restoration. This award reflects the Department's commitment to extending the service life of concrete pavements and providing a smoother ride through cost-effective construction techniques, including patching and diamond grinding improvements.

I encourage local input and programming requests be submitted to the Cook County Highway Department staff as they begin a new programming cycle in preparation of next year's plan. Additional information concerning the Highway Improvement Plan is available on our website ([www.cookcountygov.com](http://www.cookcountygov.com)). Please feel free to contact the Superintendent of Highways with any suggestions and/or recommendations at the George W. Dunne Cook County Administration Office Building, 69 West Washington Street, 23<sup>rd</sup> Floor, Chicago, Illinois 60602.

Sincerely,

Todd H. Stroger  
President  
Cook County Board of Commissioners



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### Fund Legend

Code	Fund Source
M	Motor Fuel Tax
S	State
L	Local
F	Federal
I	Illinois Commerce Commission

All costs in thousands

## **INTRODUCTION**

The Cook County Highway Department (CCHD) was established in 1913 by the State of Illinois upon approval of the first officially recorded County highway system maps. The present day system has evolved to include jurisdictional authority over 562 center line miles of highways. The Department has maintenance responsibilities for 1,458 lane miles of pavement, 134 bridges, 351 traffic signals and 7 pumping stations from five maintenance garages.

The Highway Transportation Plan (the "Plan") was originally intended as a long range planning tool and has matured to become a useful resource for IDOT, local municipalities, utility companies, state agencies and many others. The Plan strives to meet the demands of the motoring public while continuing to pursue the Departments goal of sustaining the highest level of safety. As needs develop, the Department has a responsibility to accommodate increasing travel demands as the result of residential, commercial and industrial growth throughout the region. Planning for these increases is an ongoing process which includes continuing evaluation by Departmental staff as well as municipal coordination and input. Items listed within the Plan include projects which address preservation of the existing system, safety, and capacity improvements.

Projects in the Plan are presented as items in five yearly elements. Each item contains the road name and limits, length of improvement, type of work, estimated construction cost, funding source, involved municipalities and remarks indicating the agency responsible for design or construction (if other than County). An explanation of the funding source code is shown on page i. New projects, unlisted in the FY 2009 to 2016 Plan, are noted by \* adjacent to the Road Name And Limits. The Plan contains appendices of projects deferred from FY 2009 and significant changes in project costs and/or scope. In addition, projects awarded at time of publication are noted with their actual award cost.

This Multi-Year Highway Improvement Plan for FY 2010-2014 has been re-formatted to be consistent with the traditional Five-Year Highway Improvement Plan to present a more fiscally realistic and achievable plan. A five-year plan will also minimize the high expectations of longer range plans and reflect a true commitment to viable improvements as circumstances supported at the time of this publication. A new Appendix D Multi-Year B-List has been included in the Plan to acknowledge the many projects that were part of previous plans but now had to be removed due to lack of funding. These projects have not been abandoned. The Highway Department will continue to develop and advance these projects and they will remain in the long range plan subject to funding and other priorities. Some B-List projects may re-emerge with a modified scope based on evolving circumstances related to factors such as budgets, traffic volumes or development patterns. As the CCHD moves forward in the evolution of its programming methodology, the B-List will become a longer range conceptual plan that represents the integration of highway infrastructure development into the overall long range plans of socio-economic corridors.

## **REVENUE AND DISBURSEMENT ESTIMATES**

Funding for projects in the Plan originate from a variety of sources, but is almost exclusively supplied by revenue generated from the motor fuel taxes (MFT) that are collected, administered and allocated by the State of Illinois. SAFETEA-LU, the previous federal transportation bill that has been extended through FY 2010, included approximately \$3.2 million (M) in discretionary funding for Cook County and has been obligated to various projects in this Plan. In addition, federal programs offer grants for projects that meet certain criteria under the Surface Transportation Program (STP) and the Congestion Mitigation and Air Quality Program (CMAQ) and approximately \$6.5M from these programs is targeted for various projects in this Plan. Under the federal American Recovery and Reinvestment Act (ARRA), the Department has secured Energy Efficiency and Conservation Block Grant (EECBG) funding in the amount of \$700K toward LED Retrofitting (replacement with more energy-efficient lights) of existing traffic signal heads as part of a Traffic Signal Modernization improvement. The Department has also secured Emergency Repair Program (ERP) funding from the State of Illinois in the amount of \$820K toward a pavement patching improvement. The Department will continue its efforts to secure federal funding through various sources, including coordination with various municipalities, suburban mayoral councils and the Illinois Department of Transportation. Participation in joint projects has proven to be financially beneficial to all parties involved, including the motoring public.

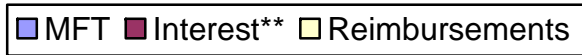
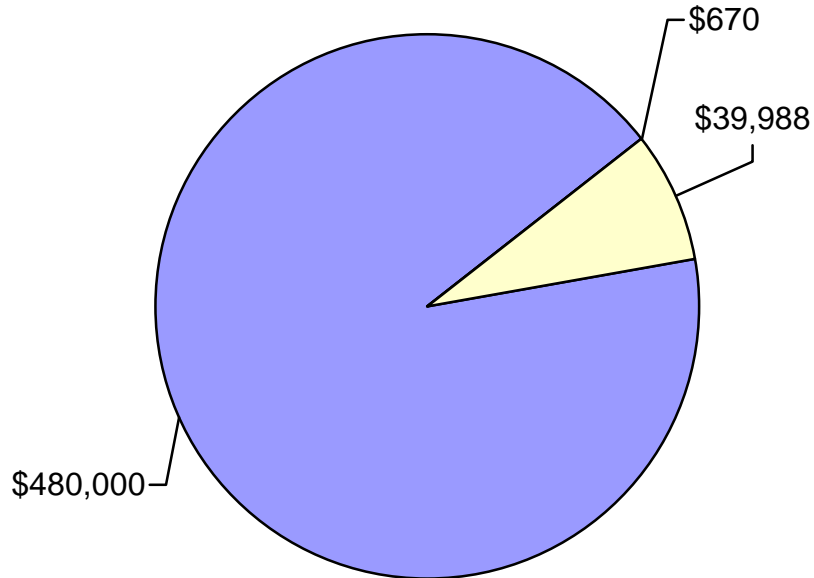
The MFT revenue collected by the State is a fixed amount per gallon of fuel. Therefore, rising fuel prices do not result in increased revenues as with a tax levied as a percent of sales. Annual MFT receipts for FY 2009 remained nearly 9% lower than previous years at approximately \$96.0M. This is a substantial reduction largely attributable to a decline in fuel consumption as a result of higher fuel prices, more fuel-efficient vehicles and fewer miles being driven. Given the instability of current fuel prices, annual MFT receipts are projected to remain constant in FY 2010 through FY 2014 for the purposes of developing this Plan.

Annual diversions from the MFT receipts by the County Board consist of \$43.5M toward Public Safety and \$2.0M toward CTA. The annual diversions of MFT receipts toward Public Safety were increased by \$9M by the County Board to meet budget constraints for FY 2009 and represented an additional reduction of nearly 9% of the total annual MFT receipts. Additionally, in FY 2010 the Cook County Board voted to reallocate \$1.5M of MFT to fund employees in the Maintenance Bureau traditionally funded in the corporate Highway Department budget. Given the weakened MFT revenue stream, these annual diversions equate to nearly 49% of the expected annual MFT receipts throughout the Plan.

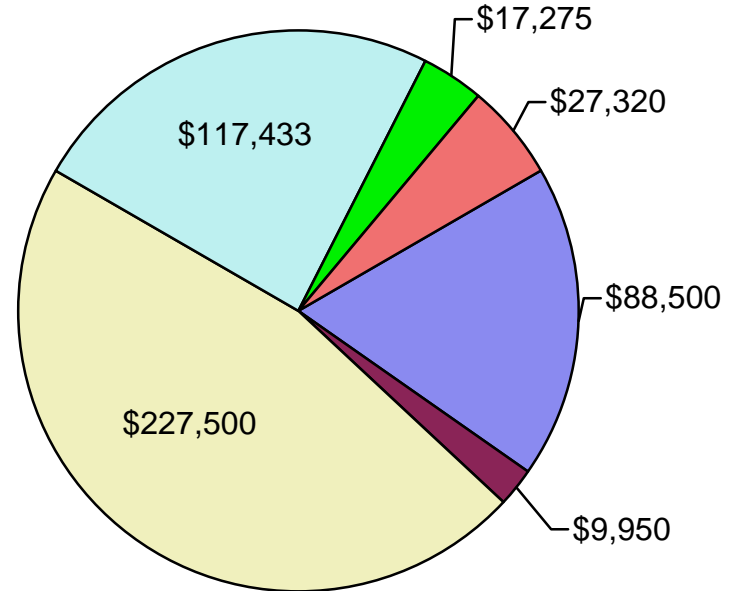
Reimbursements include federal/state grants and local obligations where agreements for such are in-place. Construction projects, totaling \$117.4M over this 5-year Plan, have historically accounted for the most significant expenditure of MFT revenues. However, the increased diversions toward Public Safety and CTA continue to account for the most significant expenditure of MFT revenues with a total of \$227.5M over this 5-year Plan.

# 5-Year Transportation Improvement Plan Funding Projections

Revenues (\$1,000's)



Disbursements (\$1,000's)



\* CTA, Public Safety.

\*\* Interest amount is too small to appear on chart.

## **ACCOMPLISHMENTS (FY 2009)**

This narrative summarizes the performance of the Cook County Highway Department in meeting goals for the preceding year, FY 2009, and attempts to establish a measure of accountability in future years.

In total, the Highway Department let \$58.0M in projects representing 84% of FY 2009 programmed dollars. In terms of projects, twenty-one (21) projects were let in FY 2009; four (4) fewer than programmed or an 84% accomplishment. Projects of note are the roadway reconstruction along Potter Road from Dempster Street to Golf Road (\$11.2M) to provide 2 through lanes separated by a flush median/left turn lane; construction of a new road, roadway reconstruction and widening/resurfacing along 183<sup>rd</sup> Street from US 45 (LaGrange Road) to 80<sup>th</sup> Avenue (\$9.6M) to provide 4 lanes with a physical median; reconstruction along West Bartlett Road from Spitzer Road to Illinois Route 59 (\$7.2M) to provide 4 lanes with a physical median; reconstruction along Munger/Naperville Road from the DuPage County Line to West Bartlett Road (\$3.2M) to provide 4 lanes with a physical median; and, reconstruction along 167<sup>th</sup> Street from Central Avenue to Cicero Avenue (\$3.3M) to provide 4 lanes. The Highway Department continued to address our aging infrastructure through system preservation treatments by resurfacing and/or patching 11.8 centerline miles (\$13.3M). In total, five (5) projects (\$4.6M) scheduled for FY 2009 were deferred to future years and are listed in Appendix B with a brief commentary regarding their deferral.

The International Grooving & Grinding Association presented the Highway Department with the Government Official of the Year Award for Efforts in Support of Concrete Pavement Restoration. This award reflects the Department's commitment to extending the service life of concrete pavements and providing a smoother ride through cost-effective construction techniques, including patching and diamond grinding improvements.

## **GOALS (FY 2010 - 14)**

The 2010 through 2014 Highway Transportation Plan totals \$163.6M with \$32.5M programmed for FY 2010. Our construction program continues to prioritize maintaining our existing infrastructure. The FY 2010 element of the Plan includes rehabilitation / preventive maintenance on 54.5 lane miles, reconstruction of 6.9 lane miles, traffic signal improvements at 14 intersections and bridge repairs at 1 structure.

Four (4) new projects are added to this Plan and are identified by \* in the Plan. Two of these projects are intersection improvements that are being coordinated with IDOT and local municipalities for mutually beneficial cost sharing and total \$500K as the County share. Previously listed projects increased by a net total of \$8.2M (Appendix C). Fifty-eight (58) projects, including the four (4) FY 2009 projects previously mentioned, are deferred to later years. However, thirty-one (31) of these projects are now listed in the aforementioned Multi-Year B-List (Appendix D) for an un-funded total \$112.0M. The construction costs presented in this Transportation Plan are within expected revenues over the 5-year planning horizon and are considered fiscally constrained.

The CCHD strives to utilize available resources to their fullest extent by recognizing that the roadways within the CCHD system consist of 100% recyclable materials. Everything from an existing road, from crushed concrete to asphalt grindings and reinforcement steel, can be recycled into a new roadway pavement. Various construction operations will utilize innovative recycled materials, such as Recycled Asphalt Shingles (RAS) or Ground Tire Rubber (GTR), for incorporation into Hot Mix Asphalt surface courses. The use of these materials provides an environmentally friendly alternative to traditional disposal and further enhances the performance of the products they are incorporated within.

Additionally, this Plan continues to incorporate the use of Hot-In-Place partial depth recycling and Full Depth Reclamation of asphalt pavements. The exploration and testing of energy-saving Warm Mix asphalt technology may assist the Highway Department in further pursuing “Green Initiatives”. The successful implementation of these newer rehabilitation and preservation strategies, along with the tried and true methods of aggregate re-use, will allow the Department to continue to ensure a safe and reliable transportation system within tightening fiscal constraints.

With increasing demands on the County infrastructure network and funding sources diminishing, a Cook County Highway Asset Program (CCHAP) has been implemented to assist the Department with a timely, efficient, cost-effective and objective evaluation of the current roadway system, including asset inventory and management. This program will generate computer modeling to serve as the basis for project selection that will enable the Department to maintain a high level of service while maximizing the fund revenue available by selecting the correct type of roadway improvement (such as reconstruction, resurfacing, patching, crack filling or joint repairs) at the right time in the life cycle of the existing pavement. In addition, the program will create a database for various Department assets, including signing and striping, within County rights-of-way. The roadway pavements are currently being inspected and data collected as part of this process. This data will be analyzed in conjunction with historical roadway projects to generate the aforesaid computer modeling and is anticipated to be used in the development of the FY 2011 - 15 Plan.

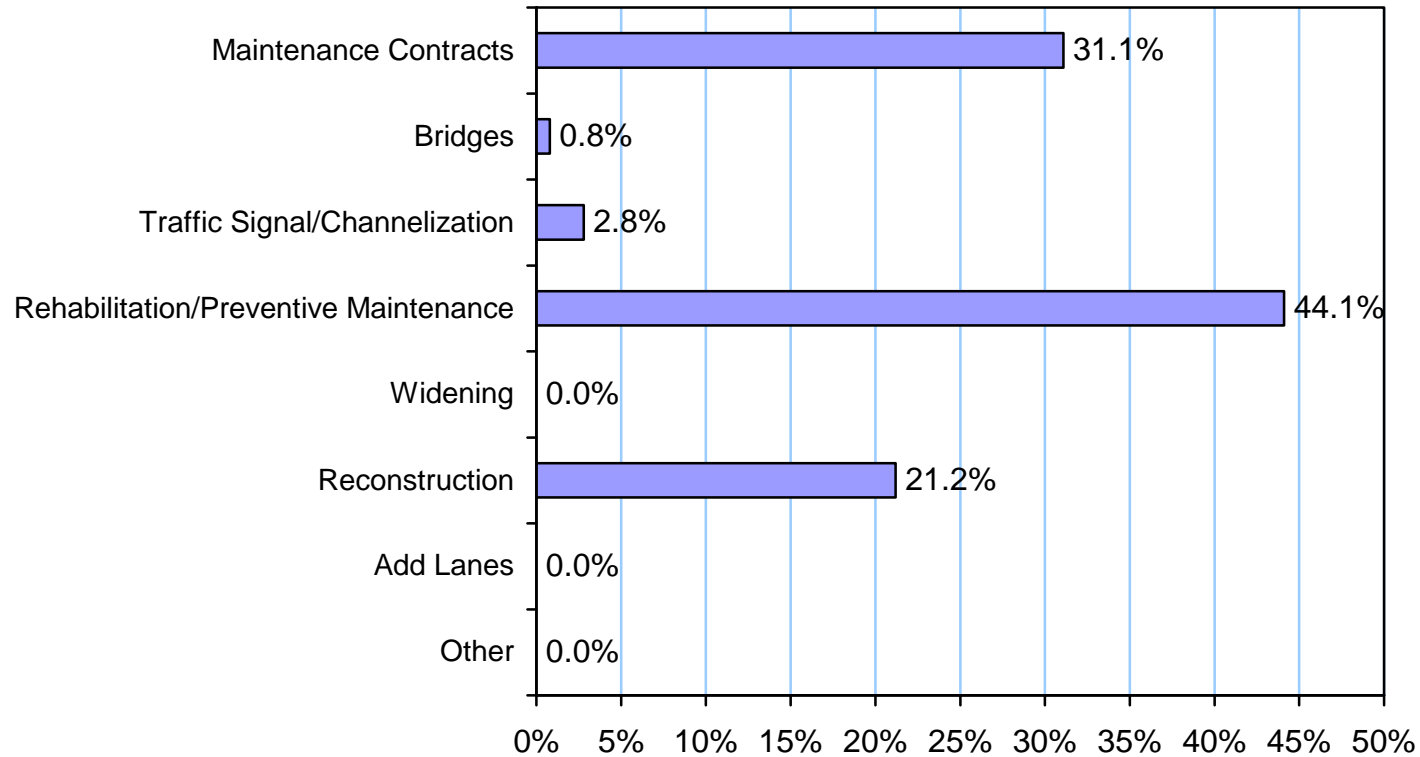
Furthermore, coordination with stakeholder municipalities will be refined. The municipalities that are willing to partner with the CCHD in community development projects and in implementation of “Complete Streets” initiatives have the ability to share Federal, State, and local programs that could provide additional funding toward a County roadway improvement. These interagency opportunities need to be cultivated more intensely to maximize stakeholders’ net benefits.

In summation, if revenues remain at or lower than current levels, the Highway Department will have no choice but to concentrate its efforts moving forward on the rehabilitation and preservation of the existing system. Much needed capacity or system expansion projects will be drastically curtailed because of their inherently higher capital cost.

Improvements in this Plan are generally classified into nine (9) categories as follows:

- Maintenance Facilities – these include building, infrastructure and/or access improvements to our five (5) maintenance garages.
- Maintenance Contracts – these include annual contracts for the purchase of maintenance materials (e.g., road salt, hot and cold patch, stone) or contracted maintenance services (e.g., pavement markings, signing and traffic signals).
- Bridges – improvements including repairs, deck overlays, patching, replacement, beam replacement, and complete bridge replacement due to either structural or hydraulic deficiencies. Only “stand alone” bridge projects are included in this category.
- Traffic Signal/Channelization – installation of new signals, modernization of existing signals, interconnection of signals and addition of turning lanes at intersections.
- Rehabilitation / Preventive Maintenance – improvements aimed at extending the service life of our existing pavement without altering the existing cross section. Strategies include milling with a structural overlay of existing bituminous pavements or overlaying existing concrete pavements, pavement patching, diamond grinding, partial depth recycling, full depth recycling and nominal resurfacing. Also, repairs to existing medians, curbs and drainage structures are typically included.
- Widening and Resurfacing – same as Rehabilitation except that widening for channelization improvements (which include turn lane additions and/or median additions) is included. Also, traffic signal work may be included.
- Reconstruction – complete removal of the existing pavement structure and replacement with either concrete or asphalt, including appurtenant alignment or profile changes, drainage additions, intersection improvements. Through lanes or median additions may also be included.
- Add Lanes – defined as either the addition of through lanes or continuous flush median as part of a Widening and Resurfacing or Reconstruction project.
- Other – projects which do not specifically fit in the categories above (e.g., railroad crossings, drainage, medians).

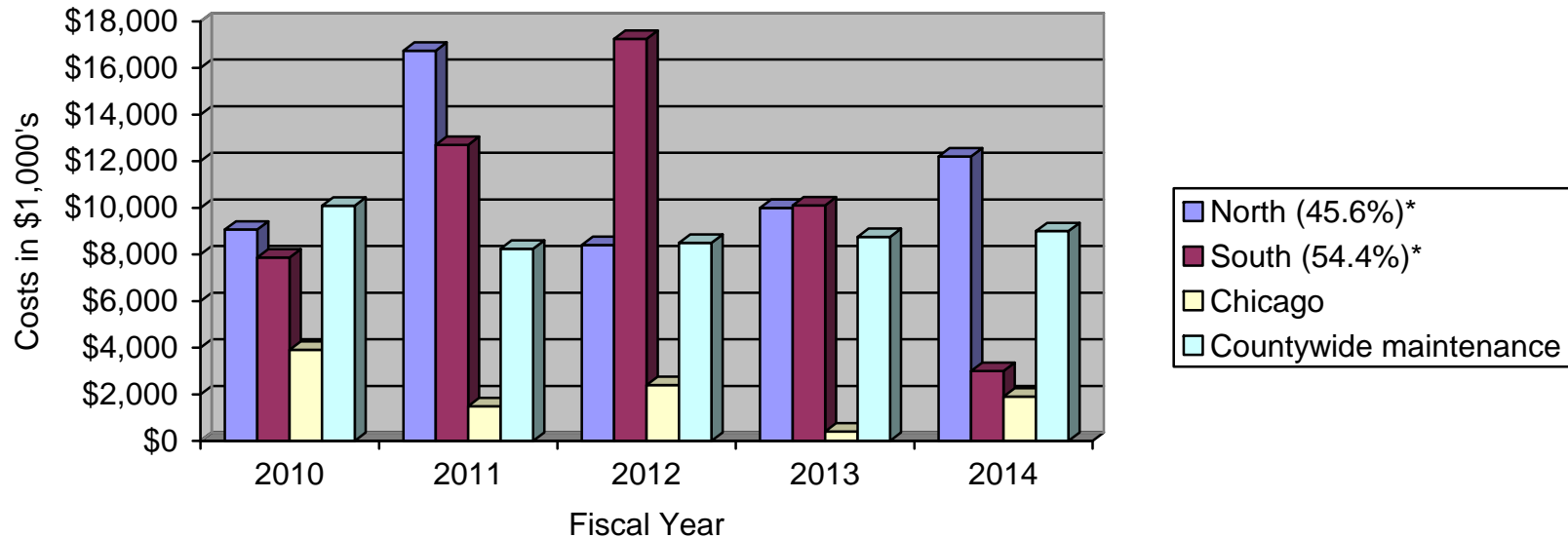
## Fiscal Year 2010 Funding Distribution Percentages \$32,479k



In addition to a continued emphasis on addressing our aging pavements, this Plan also reflects the Department's continued pursuit of a better aligned County Highway system. There are a number of County highways which, functionally, do not meet the intent of a County highway. The type and volume of traffic, termini and/or route continuity are more typical of that of a local street. Five (5) projects totaling 4.49 centerline miles are included in this Plan as jurisdictional transfers from the County to a local municipality.

The 2010 through 2014 Transportation Plan has the following geographical distribution.

## Countywide Geographical Distribution of Program Costs Eisenhower Expressway is Divisor



\*Percent (%) centerline miles maintained by county forces.

2000 costs: \$20,400 North (59%) \$13,970 South (41%)  
 2001 costs: \$19,618 North (50%) \$19,474 South (50%)  
 2002 costs: \$42,360 North (64%) \$23,878 South (36%)  
 2003 costs: \$22,902 North (48%) \$24,602 South (52%)  
 2004 costs: \$23,969 North (50%) \$23,942 South (50%)  
 2005 costs: \$17,217 North (23%) \$56,485 South (77%)  
 2006 costs: \$18,316 North (28%) \$48,101 South (72%)  
 2007 costs: \$13,772 North (31%) \$30,737 South (69%)  
 2008 costs: \$20,525 North (45%) \$25,047 South (55%)

2009 costs: \$30,305 North (64%) \$16,772 South (36%)

The 2000 through 2009 accumulated award costs are \$229,384 (45%) North and \$283,008 (55%) South. With the inclusion of the FY 2010 to 2014 Plan the 2000 to 2014 funding allocation increases to \$285,800 (46%) North and \$333,928 (54%) South and is consistent with the north-south geographical distribution of centerline miles.

**HIGHWAY TRANSPORTATION PLAN  
FY 2010  
PART 1**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>CENTRAL AVE</b> 115TH ST To 106TH ST	1.18	Patch or Replace Concrete Pavement Diamond Grind Joint/Crack Sealing	\$1,645	M	CHICAGO RIDGE OAK LAWN UNINCORPORATED	
<b>DEMPSTER ST</b> ALGONQUIN RD To ELMHURST RD	1.20	4 Lane Reconstruction with Median	\$3,597	M	MT PROSPECT UNINCORPORATED	
<b>DEVON AVE</b> ROHLWING RD To BUSSE RD	3.64	Patch or Replace Concrete Pavement Diamond Grind	\$2,991	M	BENSENVILLE ELK GROVE VILLAGE ITASCA WOOD DALE	
<b>GREENWOOD AVE</b> OAKTON ST To DEMPSTER ST AND CHURCH ST TO GOLF RD	1.51	Patch or Replace Concrete Pavement Diamond Grind	\$2,028	M	NILES PARK RIDGE UNINCORPORATED	
<b>MOUNT PROSPECT RD</b> DEMPSTER ST To NORTHWEST HWY	1.32	Patch or Replace Concrete Pavement Diamond Grind	\$1,536	M	DES PLAINES MT PROSPECT	
<b>RIDGELAND AVE</b> STEGER RD To SAUK TRAIL	1.00	Reconstruct to 2 Lanes with Median Channelization Traffic Signal Installation Re-align Intersection Milling Resurfacing	\$3,297	M	RICHTON PARK UNINCORPORATED	Consultant Design

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2010  
PART 1**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
* <b>SCHAUMBURG RD</b> ROSELLE RD To MEACHAM RD	1.77	Patch or Replace Concrete Pavement Diamond Grind	\$2,200	M	SCHAUMBURG	
<b>TRAFFIC SIGNAL MODERNIZATION AND LED RETROFITTING (14 LOCATIONS SW) VARIOUS LOCATIONS</b>		Upgrading Existing Traffic Signals LED Retrofitting	\$900	M	ALSIP BURBANK CHICAGO RIDGE OAK LAWN UNINCORPORATED	
<b>WINNETKA RD</b> Over MIDDLE FORK NORTH BRANCH CHICAGO RIVER		Bridge Deck Repairs Resurfacing	\$279	MF	NORTHFIELD	
<b>87TH ST</b> WENTWORTH AVE To SOUTH CHICAGO AVE	3.47	Multi-Lane Bituminous Resurfacing	\$3,912	M	CHICAGO	
<b>ELECTRICAL AND MECHANICAL MAINTENANCE - 2011 VARIOUS LOCATIONS</b>		Maintenance of Signals, Facilities and Pumping Stations	\$1,787	M	COUNTYWIDE	
<b>MAINTENANCE MATERIALS - 2010 VARIOUS LOCATIONS</b>		Materials for Maintenance Operations	\$3,375	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2010 PVMK VARIOUS LOCATIONS</b>		Striping of Centerline, Edgeline and Laneline	\$1,355	M	COUNTYWIDE	

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2010  
PART 1**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>PAVEMENT MARKINGS - 2010 STIC</b> VARIOUS LOCATIONS		Striping of Intersections and Crosswalks	\$823	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2011 PVMK</b> VARIOUS LOCATIONS		Striping of Centerline, Edgeline and Laneline	\$1,355	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2011 STIC</b> VARIOUS LOCATIONS		Striping of Intersections and Crosswalks	\$900	M	COUNTYWIDE	
<b>SIGNING - 2011</b> VARIOUS LOCATIONS		Erection and Replacement of Traffic Signs	\$500	M	COUNTYWIDE	
		<b>2010 TOTAL</b>	<b>\$32,479</b>			

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2011  
PART 2**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>ARLINGTON HEIGHTS RD</b> UNIVERSITY DR To LAKE-COOK RD	1.54	4 Lane Reconstruction Patch or Replace Concrete Pavement	\$8,000	ML	ARLINGTON HEIGHTS BUFFALO GROVE	
<b>ASHLAND AVE</b> 63RD ST To 59TH ST	0.50	Multi-Lane Bituminous Resurfacing	\$825	M	CHICAGO	City Design and Construction
<b>CRAWFORD AVE</b> At CHURCH ST		Intersection Improvements Traffic Signal Modernization	\$340	M	SKOKIE	Village Design and Construction
<b>JOE ORR RD (Relocated)</b> east of STONY ISLAND AVE To TORRENCE AVE	1.20	Relocate and Construct New Road 4 Lanes with Median	\$7,000	MFL	LYNWOOD	Village Design
<b>LAKE-COOK RD</b> east of WILMOT RD To PFINGSTEN RD	1.04	Patch or Replace Concrete Pavement Traffic Signal Installation Traffic Signal Modernization Diamond Grind Bridge Removal	\$8,000	ML	DEERFIELD	
<b>NARRAGANSETT AVE</b> 87TH ST To 79TH ST	1.03	Reconstruct to 2 Lanes with Median and Parking Lanes	\$5,700	MFL	BURBANK	
<b>OLD ORCHARD RD</b> At SKOKIE BLVD		Intersection Channelization Reconstruction	\$407	M	SKOKIE	Village Design and Construction

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2011  
PART 2**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>103RD ST</b> WESTERN AVE To SEELEY AVE	0.44	Multi-Lane Bituminous Resurfacing	\$660	M	CHICAGO	City Design and Construction
<b>ELECTRICAL AND MECHANICAL MAINTENANCE - 2012</b> VARIOUS LOCATIONS		Maintenance of Signals, Facilities and Pumping Stations	\$1,850	M	COUNTYWIDE	
<b>MAINTENANCE MATERIALS - 2011</b> VARIOUS LOCATIONS		Materials for Maintenance Operations	\$3,400	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2012 PVMK</b> VARIOUS LOCATIONS		Striping of Centerline, Edgeline and Laneline	\$1,500	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2012 STIC</b> VARIOUS LOCATIONS		Striping of Intersections and Crosswalks	\$950	M	COUNTYWIDE	
<b>SIGNING - 2012</b> VARIOUS LOCATIONS		Erection and Replacement of Traffic Signs	\$550	M	COUNTYWIDE	
		<b>2011 TOTAL</b>	<b>\$39,182</b>			

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2012  
PART 3**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>ARLINGTON HEIGHTS RD</b> At LANDMEIER RD		Intersection Improvements	\$600	M	ELK GROVE VILLAGE	Village Design
<b>ASHLAND AVE</b> LAKE ST To FULLERTON AVE	2.76	Traffic Signal Interconnection	\$2,400	M	CHICAGO	City Design and Construction
<b>EUCLID AVE</b> At KENNICOTT AVE		Intersection Improvements and Traffic Signal Installation	\$402	M	ARLINGTON HEIGHTS	Village Design and Construction
<b>FLOSSMOOR RD</b> At CICERO AVE		Intersection Channelization Traffic Signal Modernization	\$750	M	COUNTRY CLUB HILLS UNINCORPORATED	
* <b>LEE RD</b> SHERMER RD To DUNDEE RD	0.08	Reconstruct to Municipal Standards	\$150	M	NORTHBROOK	IDOT Design and Construction
<b>MOUNT PROSPECT RD</b> NORTHWEST HWY To BUSSE AVE	0.55	2 Lane Bituminous Resurfacing	\$600	M	DES PLAINES MT PROSPECT	
<b>PENNY RD</b> DUNDEE RD To NEW SUTTON RD (IL 59)	2.61	C. I. P. Bituminous Recycling (Full Depth) Traffic Signal Modernization Channelization	\$2,700	ML	BARRINGTON HILLS UNINCORPORATED	

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Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2012  
PART 3**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
* <b>SHOE FACTORY RD</b> At SUTTON RD (IL 59)		Intersection Channelization Traffic Signal Modernization	\$100	M	HOFFMAN ESTATES UNINCORPORATED	Village Design and Construction
<b>TECHNY RD</b> west of PFINGSTEN RD To west of SHERMER RD	1.00	2 Lane Reconstruction Drainage Improvements Traffic Signal Modernization	\$3,000	M	NORTHBROOK	Village Design and Construction
<b>WENTWORTH AVE</b> GLENWOOD-LANSING RD To RIDGE RD	0.99	3 Lane Bituminous Reconstruction Municipal Standards	\$3,500	M	LANSING	Consultant Design
<b>WILLOW RD</b> SCHOENBECK RD To WHEELING RD	1.03	2 Lane Bituminous Resurfacing	\$600	M	PROSPECT HEIGHTS	
<b>WINNETKA RD</b> SKOKIE RIVER To HIBBARD RD	0.29	2 Lane Bituminous Resurfacing	\$250	M	NORTHFIELD	IDOT Design and Construction
<b>88TH AVE</b> 103RD ST To 87TH ST	2.01	2 Lane Bituminous Reconstruction with Median	\$6,000	ML	HICKORY HILLS PALOS HILLS	Consultant Design
<b>138TH ST</b> At INDIANA AVE/CSXT RR		Railroad Crossing Renewal	\$200	M	CHICAGO DOLTON RIVERDALE	Construction by Railroad

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2012  
PART 3**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>170TH (167TH) ST</b> at SOUTH PARK AVE & COTTAGE GROVE AVE To BISHOP FORD FWY (I-94)	0.62	4 Lane Reconstruction Channelization	\$6,800	MFLS	SOUTH HOLLAND	Village Design
<b>ELECTRICAL AND MECHANICAL MAINTENANCE - 2013</b> VARIOUS LOCATIONS		Maintenance of Signals, Facilities and Pumping Stations	\$1,900	M	COUNTYWIDE	
<b>MAINTENANCE MATERIALS - 2012</b> VARIOUS LOCATIONS		Materials for Maintenance Operations	\$3,450	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2013 PVMK</b> VARIOUS LOCATIONS		Striping of Centerline, Edgeline and Laneline	\$1,550	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2013 STIC</b> VARIOUS LOCATIONS		Striping of Intersections and Crosswalks	\$1,000	M	COUNTYWIDE	
<b>SIGNING - 2013</b> VARIOUS LOCATIONS		Erection and Replacement of Traffic Signs	\$600	M	COUNTYWIDE	
		<b>2012 TOTAL</b>	<b>\$36,552</b>			

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2013  
PART 4**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>CENTER ST</b> 171ST ST To 159TH ST	1.51	2 Lane Bituminous Reconstruction Channelization	\$4,500	M	HARVEY	Consultant Design
<b>CRAWFORD AVE</b> DEVON AVE To OAKTON ST	2.00	4 Lane Reconstruction Drainage Improvements	\$9,600	M	LINCOLNWOOD SKOKIE	
<b>RIDGELAND AVE</b> 175TH ST To OAK FOREST AVE	0.40	2 Lane Bituminous Reconstruction with Median	\$2,050	ML	TINLEY PARK	Village Design
* <b>SCHAUMBURG RD</b> At BARRINGTON RD		Intersection Channelization Traffic Signal Modernization	\$400	M	SCHAUMBURG	Village Design and Construction
<b>WESTERN AVE</b> ROSCOE ST To ADDISON ST (near Lane Tech H.S.)	0.25	Median Curb and Gutter Striping of Intersections and Crosswalks	\$400	M	CHICAGO	City Design and Construction
<b>175TH ST</b> OAK PARK AVE To RIDGELAND AVE	0.50	2 Lane Bituminous Reconstruction with Median	\$3,550	ML	TINLEY PARK	Village Design
<b>ELECTRICAL AND MECHANICAL MAINTENANCE - 2014</b> Various Locations		Maintenance of Signals, Facilities and Pumping Stations	\$1,950	M	COUNTYWIDE	

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2013  
PART 4**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>MAINTENANCE MATERIALS - 2013</b> Various Locations		Materials for Maintenance Operations	\$3,500	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2014 PVMK</b> Various Locations		Striping of Centerline, Edgeline and Laneline	\$1,600	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2014 STIC</b> Various Locations		Striping of Intersections and Crosswalks	\$1,050	M	COUNTYWIDE	
<b>SIGNING - 2014</b> Various Locations		Erection and Replacement of Traffic Signs	\$650	M	COUNTYWIDE	
		<b>2013 TOTAL</b>	<b>\$29,250</b>			

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2014  
PART 5**

<b><u>ROAD NAME AND LIMITS</u></b>	<b><u>MILES</u></b>	<b><u>TYPE OF WORK</u></b>	<b><u>COST</u></b>	<b><u>FUNDING</u></b>	<b><u>LOCATION</u></b>	<b><u>REMARKS</u></b>
<b>ASHLAND AVE</b> CERMAK RD To ROOSEVELT RD	1.02	Multi-Lane Bituminous Resurfacing	\$1,900	M	CHICAGO	City Design and Construction
<b>CENTRAL AVE</b> 135TH ST To CAL SAG RD	1.22	2 Lane Bituminous Recycling	\$1,000	M	ALSIP CRESTWOOD UNINCORPORATED	
<b>OLD ORCHARD RD</b> HARMS RD To the EDENS EXPWY (I-94) southbound ramps	0.74	Reconstruct to 4 Lanes with Median	\$6,000	M	SKOKIE	
<b>SHOE FACTORY RD</b> ESSEX DR To east of BEVERLY RD	0.51	Reconstruct to 4 Lanes with Median	\$6,200	ML	HOFFMAN ESTATES UNINCORPORATED	Village Design
<b>WILL-COOK RD</b> At 143RD ST		Intersection Improvements	\$1,000	M	ORLAND PARK	Will County Design and Construction
<b>84TH AVE</b> 183RD ST To 171ST ST	1.60	2 Lane Bituminous Resurfacing	\$1,000	M	TINLEY PARK	
<b>ELECTRICAL AND MECHANICAL MAINTENANCE - 2015</b> Various Locations		Maintenance of Signals, Facilities and Pumping Stations	\$2,000	M	COUNTYWIDE	

\* - New project added to this Plan.  
Cost - Shown in thousands.

**HIGHWAY TRANSPORTATION PLAN  
FY 2014  
PART 5**

<u>ROAD NAME AND LIMITS</u>	<u>MILES</u>	<u>TYPE OF WORK</u>	<u>COST</u>	<u>FUNDING</u>	<u>LOCATION</u>	<u>REMARKS</u>
<b>MAINTENANCE MATERIALS - 2014</b> Various Locations		Materials for Maintenance Operations	\$3,550	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2015 PVMK</b> Various Locations		Striping of Centerline, Edgeline and Laneline	\$1,650	M	COUNTYWIDE	
<b>PAVEMENT MARKINGS - 2015 STIC</b> Various Locations		Striping of Intersections and Crosswalks	\$1,100	M	COUNTYWIDE	
<b>SIGNING - 2015</b> Various Locations		Erection and Replacement of Traffic Signs	\$700	M	COUNTYWIDE	
		<b>2014 TOTAL</b>	<b>\$26,100</b>			
		<b>GRAND TOTAL</b>	<b>\$163,563</b>			

\* - New project added to this Plan.  
Cost - Shown in thousands.

# APPENDIX A

## COUNTY JURISDICTION

TYPE	CENTER LINE MILES
Maintained by County	471.70
Maintained by Others	84.61*
Future Routes (No Road)	6.0
<b>Total</b>	<b>562.31</b>

\* 78.92 miles in City of Chicago

## COUNTY MAINTENANCE

TYPE	COUNTY JURISDICTION/ COUNTY MAINTENANCE LANE MILES	OTHERS JURISDICTION/ COUNTY MAINTENANCE LANE MILES	COUNTY JURISDICTION/ MAINTAINED BY OTHERS LANE MILES
1 Lane (Ramps)	1.04		
2 Lanes	476.08	32.82*	7.62
3 Lanes	87.72		
4 Lanes (includes continuous turn lane)	806.67	21.84	290.32
6 Lanes	30.42	2.10	58.56
<b>Total</b>	<b>1,401.93</b>	<b>56.76</b>	<b>356.50**</b>

\* Predominately Expressway  
Frontage Roads

\*\* Predominately City of Chicago

## APPENDIX B

### 2009 PROJECTS CARRIED OVER

PROJECT	DESCRIPTION	PROGRAM COST (1,000'S)	REMARKS
Ashland Avenue (Lake Street to Fullerton Avenue)	Traffic Signal Interconnect	\$2,400	Deferred to FY 2012 by County due to lack of funding.
Pavement Markings – 2010 Various Locations	Contract for Striping of Centerline, Edgeline and Laneline	\$1,355	Delayed by contract document revisions.
Western Avenue (Roscoe Street to Addison Street, near Lane Tech H.S.)	Safe Routes to School (includes medians, signage, curb extensions & pavement markings)	\$400	Deferred to FY 2013 by County due to lack of funding.
Winnetka Road over the Middle Fork of the North Branch of the Chicago River	Bridge Deck Repairs and Resurfacing	\$279	Delayed by plan revisions and IDOT review and coordination.
138 <sup>th</sup> Street at Indiana Avenue/CSXT Railroad	Railroad Crossing Renewal	\$200	Plan preparation schedule deferred by Lead Agency (CSXT Railroad).

## APPENDIX C

### SIGNIFICANT PROJECT COST CHANGES

<b>ROUTE</b>	<b>LIMITS</b>	<b>FY 09-16 DOLLARS (1,000'S)</b>	<b>CURRENT DOLLARS (1,000'S)</b>	<b>REMARKS</b>
Arlington Heights Road	University Drive to Lake Cook Road	\$5,000	\$8,000	Updated cost estimate reflects scope change to include Village items for water main, sanitary sewer, street lighting and traffic signals.
Dempster Street	Algonquin Road to Elmhurst Road	\$5,400	\$3,597	Award cost reflects reduced concrete costs.
Devon Avenue	Rohlwing Road to Busse Road	\$4,400	\$2,991	Award cost reflects reduced concrete costs.
Greenwood Avenue	Oakton Street to Dempster Street and Church Street to Golf Road	\$1,500	\$2,028	Award cost reflects scope change to include temporary traffic signal installation and traffic signal modernization.
Joe Orr Road (Relocated)	east of Stony Island Avenue to Torrence Avenue	\$10,200	\$7,000	Updated cost estimate to reflect current construction costs.
Lake Cook Road	east of Wilmot Road to Pfingsten Road	\$2,000	\$8,000	Updated cost estimate reflects scope change to include bridge removal and extend patching limits further east.
Ridgeland Avenue	175 <sup>th</sup> Street to Oak Forest Avenue	\$1,000	\$2,050	Updated cost estimate reflects scope change to include Village items for street lighting and sidewalk.
Techny Road	west of Pfingsten Road to east of Shermer Road	\$1,000	\$3,000	Updated cost estimate reflects final scope of work and current construction costs.
175 <sup>th</sup> Street	Oak Park Avenue to Ridgeland Avenue	\$1,500	\$3,550	Updated cost estimate reflects scope change to include Village items for water main, sanitary sewer, street lighting and sidewalk.

## APPENDIX D

### MULTI-YEAR PROGRAM B-LIST (PREVIOUSLY PROGRAMMED PROJECTS THAT ARE CURRENTLY UN-FUNDED)

ROUTE	LIMITS	ESTIMATED COST (1,000'S)	TYPE OF WORK
<b>RECONSTRUCTION</b>	<b>PROJECTS</b>		
Harlem Avenue	Steger Road to south of Sauk Trail	\$6,100	Re-align Intersection and Reconstruct to 4 Lanes with Median
Harlem Avenue	north of Sauk Trail to Lincoln Highway (US 30)	\$6,000	Reconstruct to 4 Lanes with Median
Joe Orr Road	Torrence Avenue to Glenwood-Dyer Road	\$3,000	Construct New Road 4 Lanes with Median
Joe Orr Road	Glenwood Dyer Road to Burnham Avenue	\$4,200	Construct New Road 4 Lanes with Median
Lake Cook Road	Pfingsten Road to Waukegan Road (IL 43)	\$10,500	Reconstruct to 6 Lanes with Median, Channelization and T.S. Installation
Old Orchard Road	east of Edens Expressway (I-94) to west of Skokie Blvd.	\$7,000	Reconstruct to 5 Lanes with Median
Plainfield Road	Brainard Avenue to La Grange Road	\$2,000	2 Lane Bituminous Reconstruction with Median
Quentin Road	Dundee Road to Lake Cook Road	\$16,000	Reconstruct to 4 Lanes with Median & Bridge Replacement
Sauk Trail	Harlem Avenue to Ridgeland Avenue	\$5,800	Reconstruct to 4 Lanes with Median
West Lake Avenue	west of Forest Drive to east of Magnolia Street	\$1,250	Reconstruct to 4 Lanes with Median
107 <sup>th</sup> Street	Kean Avenue to west of 88 <sup>th</sup> Avenue	\$1,850	2 Lane Reconstruction with Channelization
170 <sup>th</sup> (167 <sup>th</sup> ) Street	South Park Avenue to Cottage Grove Avenue	\$15,850	4 Lane Reconstruction and Railroad Underpass

## APPENDIX D

### MULTI-YEAR PROGRAM B-LIST (CONTINUED)

ROUTE	LIMITS	ESTIMATED COST (1,000'S)	TYPE OF WORK
<b>REHABILITATION</b>	<b>PROJECTS</b>		
Ashland Avenue	43 <sup>rd</sup> Street to 32 <sup>nd</sup> Place	\$1,980	Multi-Lane Bituminous Resurfacing
Ashland Avenue	Fullerton Avenue to Lawrence Avenue	\$4,500	Multi-Lane Bituminous Resurfacing
Ashland Avenue/Clark Street	Lawrence Avenue to Devon Avenue	\$3,055	Multi-Lane Bituminous Resurfacing
Bell Road	Will County Line to Archer Avenue	\$1,700	2 Lane Bituminous Resurfacing
Crawford Avenue	Oakton Street to Golf Road	\$1,900	4 Lane Bituminous Resurfacing and T.S. Modernization
Hintz Road	Elmhurst Road to Milwaukee Avenue	\$2,000	Patch or Replace Concrete Pavement Diamond Grinding
Kedzie Avenue	86 <sup>th</sup> Street to 83 <sup>rd</sup> Street	\$495	Multi-Lane Bituminous Resurfacing
Plainfield Road	47 <sup>th</sup> Street to First Avenue (IL 171)	\$700	2 Lane Bituminous Recycling
Quentin Road	Illinois Avenue to Northwest Highway	\$2,000	Patch or Replace Concrete Pavement Diamond Grinding
Winnetka Road	Waukegan Road to 0.7 miles east of Happ Road	\$2,000	2 Lane Bituminous Recycling with Channelization and T.S. Installation
108 <sup>th</sup> Avenue	167 <sup>th</sup> Street to 159 <sup>th</sup> Street	\$2,000	2 Lane Bituminous Recycling with Curb & Gutter and Storm Sewer Installation
115 <sup>th</sup> Street	State Street to Prairie Avenue	\$560	Multi-Lane Bituminous Resurfacing

# APPENDIX D

## MULTI-YEAR PROGRAM B-LIST (CONTINUED)

ROUTE	LIMITS	ESTIMATED COST (1,000'S)	TYPE OF WORK
138 <sup>th</sup> Street	Ashland Avenue to Park Avenue	\$1,400	Patch or Replace Concrete Pavement Diamond Grinding; Bituminous Surface
138 <sup>th</sup> Street	Park Avenue to Cottage Grove Avenue	\$500	2 Lane Bituminous Recycling
<b>TRAFFIC SIGNAL PROJECTS</b>			
Ashland Avenue	Cermak Road to Roosevelt Road	\$1,000	Traffic Signal Interconnect
Ashland Avenue	Fullerton Avenue to Lawrence Avenue	\$2,400	Traffic Signal Interconnect
Ashland Avenue/Clark Street	Lawrence Avenue to Devon Avenue	\$1,550	Traffic Signal Interconnect
<b>BRIDGE PROJECTS</b>			
Hintz Road	at Echo Lake (west of Wheeling Road)	\$250	Bridge Repairs
<b>OTHER PROJECTS</b>			
Western Avenue	North Avenue to Fullerton Avenue	\$2,400	Landscaped Median Installation
<b>UN-FUNDED TOTAL</b>		<b>\$112,020</b>	