

Collar County Transportation Empowerment Funds: 2008-2013
Implementation Plan

Accounts Payable (1) cert.
Transportation (2) cert.

STATE OF ILLINOIS)
)
COUNTY OF LAKE)

COUNTY BOARD, LAKE COUNTY, ILLINOIS
REGULAR JUNE, A.D. 2008 SESSION
JUNE 10, A.D., 2008

MADAM CHAIR AND MEMBERS OF THE COUNTY BOARD:

A joint resolution endorsing the "Plan for Using the new Collar County Transportation Empowerment Funds.

WE RECOMMEND adoption of this resolution.

	Aye	Nay		Aye	Nay
<u>Debra O'Kelly</u>	✓	_____	<u>[Signature]</u>	x	_____
Chair			Chair		
<u>[Signature]</u>	✓	_____	<u>Ann Flavin</u>	_____	_____
Vice-Chair			Vice-Chair		
<u>[Signature]</u>	✓	_____	<u>David S.</u>	_____	_____
<u>Michael A. Calvert</u>	✓	_____	<u>Sturmon J. Juntunen</u>	x	_____
<u>Ann B. Marie</u>	✓	_____	<u>Carol Calabrese</u>	✓	_____
<u>Terese Douglas</u>	✓	_____	<u>Debra O'Kelly</u>	✓	_____
_____	_____	_____	<u>[Signature]</u>	x	_____
Public Works and Transportation Committee			Financial and Administrative Committee		

RESOLUTION

WHEREAS, Public Act 95-0708 (the RTA Reform and Funding Legislation of January 2008) provides a .25 percent sales tax in the collar counties to be utilized by the respective counties for highways, transit and public safety purposes; and

WHEREAS, this County Board of Lake County, Illinois by prior resolution at its meeting of April 8, 2008, adopted the "Collar County Transportation Empowerment Funding Policy"; and

WHEREAS, the above-said Transportation Empowerment Funding Policy expresses the Lake County Board's intent to make congestion mitigation a top priority for use of said funds; and

WHEREAS, a comprehensive plan, entitled the "Plan for Using the New Collar County Transportation Empowerment Funds", for the time period 2008-2013, was presented at the May 28, 2008 Public Works & Transportation Committee meeting and the final revised plan (*Revision A 5/29/08*) is on file in the Office of County Engineer; and

WHEREAS, said comprehensive plan includes allocations of future revenue towards the long-term goal of coordinated countywide paratransit service to meet needs of seniors and persons with disabilities or medical needs.

NOW, THEREFORE BE IT RESOLVED that this County Board of Lake County, Illinois hereby endorses said revised "Plan for Using the New Collar County Transportation Empowerment Funds" as a planning document and it is therefore intended as a guide for the portion of said funds to be allocated yearly by the County Board towards highways and transit.

BE IT FURTHER RESOLVED the portion of said funds to be allocated yearly towards highways and transit shall be incorporated into the yearly Lake County Division

of Transportation's proposed 5-Year Highway Improvement Program programming process.

Dated at Waukegan, Illinois
this 10TH day of June 2008

Getting Transportation into a Higher Gear

Plan for Using the New Collar County Transportation Empowerment Funds

Project Maps and Lists

prepared by: Martin G Buehler, P.E.
Director of Transportation/County Engineer
Lake County Division of Transportation
Libertyville, Illinois

May 28, 2008



Rev.A | May 29, 2008

Contents

page 2	Summary of Components
page 4	Assembly Line Projects
page 6	Ramp Up Projects
page 8	Challenge Bond Projects
page 10	All Projects

- Address the financial deficit in the county's 2007-2012 existing program by moving up delayed lead-in phases for construction of many already programmed projects;
- Compensate for slowing growth in the county's existing 3 highway capital funds;
- Continue investment in Lake County PASSAGE;
- Provide county leadership, thru a new DOT staff position, toward the long-term goal of coordinated countywide paratransit service to meet the needs of seniors and persons with disabilities or medical needs;
- Allocate funds yearly toward paratransit planning, match federal funds for pilot projects and funding for an eventual consolidated 24/7 call center¹; and
- Add investments in "complete streets" appurtenances on appropriate projects.

Summary of Components

This Plan documents the proposed use of the new **Collier County Transportation Empowerment Funds** by Lake County thru the Lake County Division of Transportation (LCDOT) in the time frame FY 2008-2013. The county has taken a bold yet systematic and professional approach to interweave this annual \$29 million in new funds into the LCDOT transportation programming process. The county's priorities for its highway system remain as:

#1 System Preservation...keep existing roads and bridges in good shape

#2 System Modernization...make traffic flow efficiently on existing roads and intersections

#3 System Expansion...address long-term traffic demands

These new funds allow the county to begin addressing the project backlog in priority #3, after some pressing needs are first addressed:

- Reverse the trend towards poorer pavement conditions on county highways;

The emphasis on priority #3 allows a shift away from a need to stage-construct projects to the more desirable "Get in--Get out--Stay out" approach. The magnitude of this new strategy makes bonding crucial.

The innovative Challenge Bond Component challenges municipalities to work cooperatively with IDOT. This enables a large share of the new county funds to be invested in several state jurisdiction projects and complements the set of likely state highway system projects in an eventual state capital program.

The shift to building larger and more complicated highway projects produces a corresponding shift in implementation time frames. This Plan breaks each project into 5 phases with typical costs:

- Phase I (Preliminary Engineering), 8% of construction costs, 2 years duration.
- Phase II (Design Engineering), 7% of construction costs, 2 years duration.
- ROW acquisition, 7.5% of construction costs, con-

current with Phase 2.

- Construction, the largest cost of a project, 2 years duration.
- Phase III (Construction Engineering), 10% of construction costs, 2 years duration.

It is about 4 years from the time the decision to plan is made until construction begins, requiring a non-construction investment of 32.5% of the construction cost.

The Plan uses financial and programming models to categorize selected highway projects into one of 3 components: Challenge Bond Component, Assembly Line Component, and Ramp Up Component.

The Assembly Line Component consists of projects whose phases and costs can be slotted by year between 2008-2013. Projects with Phase 1 underway in 2008 will not be ready for construction until year 2012. It takes the highway assembly line 4 years to get a project from design to completion. Since construction costs in 2012 cannot exceed available funds in 2012, and the cost of the associated Phase 1 is only 8% of construction cost, it should be clear that as the highway assembly line gets up to speed over the first 4 years, a considerable amount of funds are available for the last component of the Plan, the Ramp Up Component.

Funding for the Ramp Up Component exists only for the first four years of the Plan. Ramp Up funds are used to continue projects which may already have some phase work done and to address the pressing needs described previously (e.g. pavement conditions).

The Challenge Bond Component uses \$50 million in bonds sold in 2011 for state highway capacity improvements. Projects will be selected at that time from a pre-determined group of candidates, depending

upon their state of readiness. Another set of county-led projects will compete for the other \$50 million in bonds.

The total expenditures in the Plan for highway projects for the years 2008-2013 are:

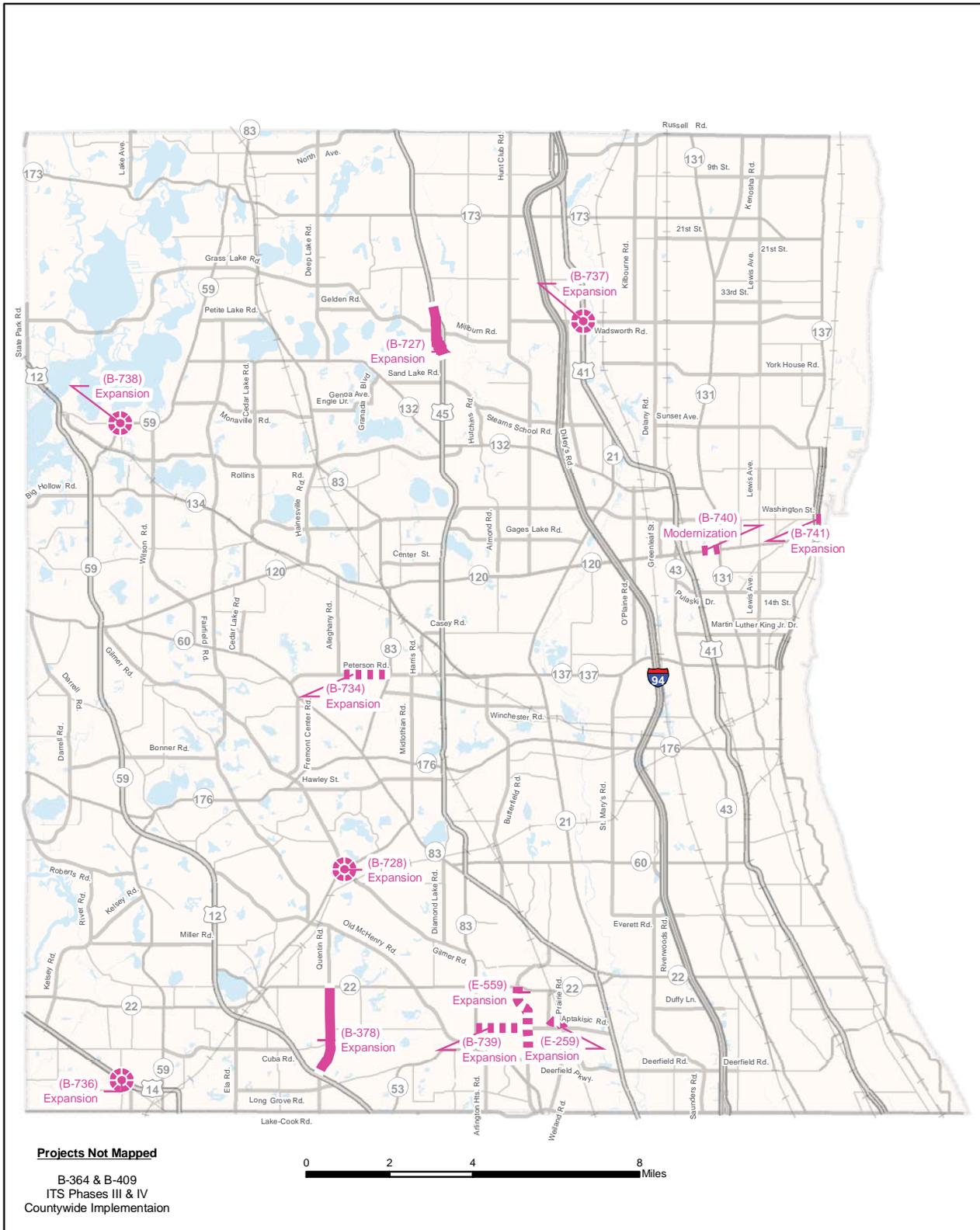
- Challenge Bond Component, \$100 million;
- Assembly Line Component, \$50.2 million; and
- Ramp Up Component, \$89.7 million.

The total program size is \$239.9 million.

Depending on the ultimate project choices for the county-led Challenge Bonds, the Plan investment in state highway jurisdiction projects could be \$166 million vs. \$101 million for county jurisdiction projects, even after assigning all administrative expense to the county.

¹The total yearly investment for paratransit starts out at \$500,000.

Assembly Line



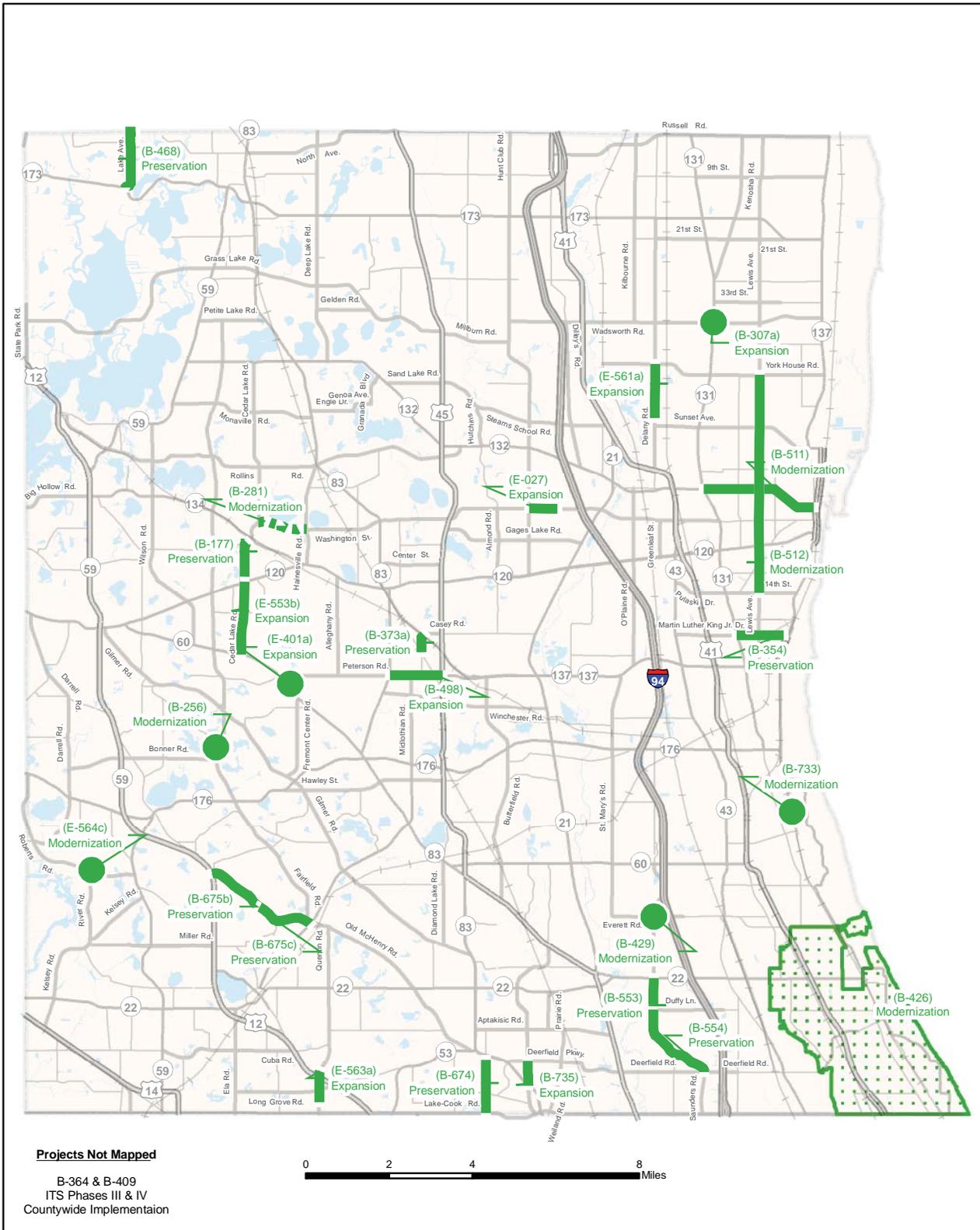
Pre-Construction		Programmed		Challenge Bonds	
	Assembly Line		Assembly Line		Project Set A (Includes a Ramp Up Component)
	Ramp Up		Ramp Up		Project Set B
			ITS Highland Park Signals (Ramp Up)		Project Set C



Sales Tax Revenue Projects FY2008 thru FY2013 Assembly Line Projects

PIN #	Highway	From	To	Description	Project Type	FY2008 - FY2013 Allocation
B-739	Aptakisic Road	Buffalo Grove Road	IL Route 83	Widen to 4 lanes	Assembly Line	\$2,672,154
E-559	Buffalo Grove Rd	IL Route 22	Deerfield Parkway	Widen to 4 lanes	Assembly Line	\$585,600
B-728	Gilmer Road	at Midlothian Road		Intersection	Assembly Line	\$1,012,950
B-736	Hart Road	at US Route 14		Intersection	Assembly Line	\$243,434
B-740	IL Route 120	Knight Avenue	IL Route 131	Widen 4 to 5 lanes	Assembly Line	\$119,238
B-738	IL Route 59	at Grand Ave		Intersection	Assembly Line	\$317,309
B-734	Peterson Rd	E of Allegheny Rd	IL Route 83	Add Lanes	Assembly Line	\$1,855,799
B-378	Quentin Road	White Pine	US Route 22	Add Lanes	Assembly Line	\$15,122,526
B-727	US Route 45	Millburn By-Pass		New Alignment	Assembly Line	\$26,500,000
B-737	Wadsworth Road	at US Route 41		Intersection	Assembly Line	\$1,030,932
B-741	Washington St	Sheridan Road	Extend East	Highway Extension	Assembly Line	\$620,934
E-259	Weiland Road	Aptakisic Road	Prairie Road	New Highway Extension	Assembly Line	\$209,095

Ramp Up



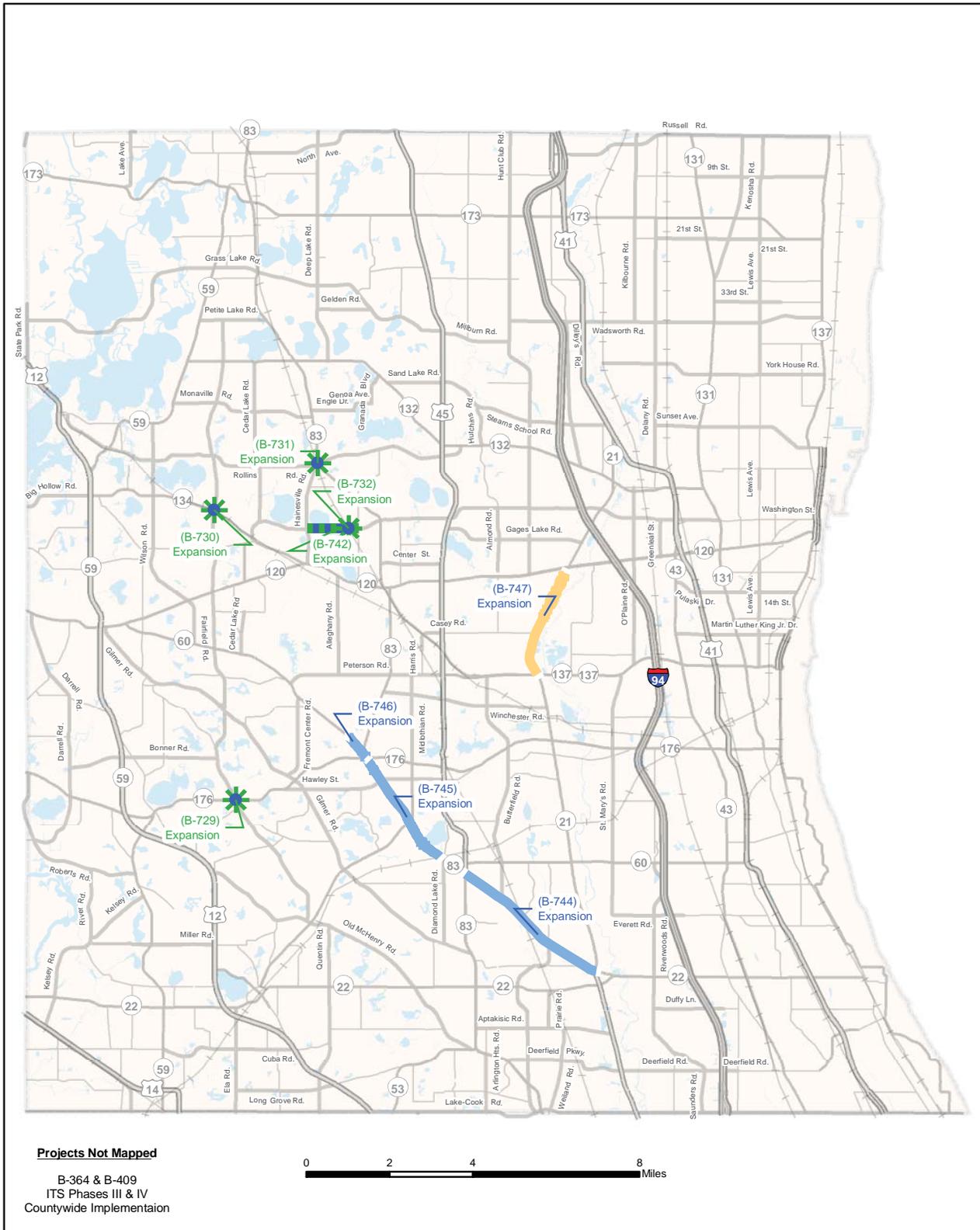
Pre-Construction		Programmed		Challenge Bonds	
	Assembly Line		Assembly Line		Project Set A (Includes a Ramp Up Component)
	Ramp Up		Ramp Up		Project Set B
	ITS Highland Park Signals (Ramp Up)		ITS Highland Park Signals (Ramp Up)		Project Set C



Sales Tax Revenue Projects FY2008 thru FY2013 Ramp Up Projects

PIN #	Highway	From	To	Description	Project Type	FY2008 - FY2013 Allocation
B-674	Arlington Hts Rd	Alden Lane	Lake-Cook Rd	Concrete Patch / Grind	Ramp Up	\$1,503,100
B-735	Buffalo Grove Rd	Deerfield Parkway	IL Rte 83	Add SB thru lane	Ramp Up	\$1,000,000
E-553b	Cedar Lake Rd	IL Route 120	IL Route 60	New Highway Extension	Ramp Up	\$9,187,000
E-561a	Delany Road	Tannahill Drive	York House Road	Add Lanes	Ramp Up	\$13,750,000
B-426	ITS - Highland Park Traffic Signals	Various		Interconnect 25 traffic signals in the City of Highland Park	Ramp Up	\$552,000
B-511	ITS - Waukegan Grand Ave	IL Route 131	Sheridan Rd	Traffic Signal Interconnect	Ramp Up	\$300,400
B-512	ITS - Waukegan Lewis Ave	Yorkhouse Rd	14th Street	Traffic Signal Interconnect	Ramp Up	\$469,700
B-364	ITS Activities 2009	Various		Phase III Field Elements	Ramp Up	\$2,660,000
B-409	ITS Activities 2010	Variuos		Phase IV Field Elements	Ramp Up	\$2,400,000
B-468	Lake Ave	IL Route 173	WI State Line	Resurfacing	Ramp Up	\$1,582,700
B-373a	Midlothian Road	Wisc Central RR	Casey Rd	Reconstruction	Ramp Up	\$1,671,500
B-354	ML King Jr Drive	IL Route 131	West of Sheridan Rd	4 Lane Traffic Flow Improvement	Ramp Up	\$3,546,200
B-675b	Old McHenry Rd	US Rt 12	Abbey Glenn	Resurfacing	Ramp Up	\$1,120,900
B-675c	Old McHenry Rd	E of Abbey Glenn	Midlothian Rd	Resurfacing	Ramp Up	\$774,900
B-498	Peterson Rd	IL Route 83	US Rte 45	Add Lanes	Ramp Up	\$15,036,900
E-401a	Peterson Rd	at IL Route 60		Intersection Realignment	Ramp Up	\$7,756,200
E-563a	Quentin Rd	Rue Royal	White Pine	Add Lanes	Ramp Up	\$3,025,000
E-564c	River Road	at Roberts Road		Intersection Improvement	Ramp Up	\$412,000
B-429	Riverwoods Road	at Everett Road		Intersection Improvement	Ramp Up	\$367,000
B-553	Riverwoods Road	IL Route 22	Duffy Lane	Resurfacing	Ramp Up	\$513,800
B-554	Riverwoods Road	Duffy Lane	Saunders Road	Resurfacing	Ramp Up	\$1,205,100
B-307a	Wadsworth Rd	at IL Route 131		Intersection Improvement	Ramp Up	\$685,000
B-281	Washington St	Cedar Lake Rd	Hainesville Rd	Reconstruct & Add lane	Ramp Up	\$1,105,000
E-027	Washington Street	Hunt Club Road	Cemetery Road	Add Lanes	Ramp Up	\$970,100
B-733	Western Ave	at Woodland		Intersecction	Ramp Up	\$650,000

Challenge Bonds



Pre-Construction		Programmed		Challenge Bonds	
	Assembly Line		Assembly Line		Project Set A (Includes a Ramp Up Component)
	Ramp Up		Ramp Up		Project Set B
			ITS Highland Park Signals (Ramp Up)		Project Set C



**Sales Tax Revenue Projects FY2008 thru FY2013
Challenge Bond Projects**

PIN #	Highway	From	To	Description	Project Type	FY2008 - FY2013 Allocation
B-729	Fairfield Road	at IL Route 176		Interchange	Challenge Bonds Project Set "A" (Contains a Ramp Up Cost Component)	\$1,500,000
B-730	Fairfield Road	at IL Route 134 / Metra RR (Metra Milwaukee District North Line Service)		Underpass	Challenge Bonds Project Set "A" (Contains a Ramp Up Cost Component)	\$1,300,000
B-731	Rollins Road	at IL Route 83 / CN RR (Metra North Central Service)		Underpass / Interchange	Challenge Bonds Project Set "A" (Contains a Ramp Up Cost Component)	\$2,700,000
B-732	Washington Street	at CN RR (Metra North Central Service)		Underpass	Challenge Bonds Project Set "A" (Contains a Ramp Up Cost Component)	\$1,600,000
B-742	Washington Street	Lake Street	Hainesville Road	Widen 2 to 4 lanes	Challenge Bonds Project Set "A" (Contains a Ramp Up Cost Component)	\$9,411,700
B-743	Challenge Bonds Project Set "A"					\$50,000,000
B-746	IL Route 60	IL Route 176	West of Ivanhoe	Add-Lanes	Challenge Bonds Project Set "B"	
B-745	IL Route 60/83	IL Route 176	EJ&E RR	Add-Lanes	Challenge Bonds Project Set "B"	
B-744	US Route 45	IL Route 21	IL Route 83	Add-Lanes	Challenge Bonds Project Set "B"	
B-747	IL Route 21	IL Route 137	IL Route 120	Add-Lanes	Challenge Bonds Project Set "C"	
B-748	Challenge Bonds Project Set "B" & "C"					\$50,000,000

Sales Tax Revenue Projects FY2008 thru FY2013 Alphabetical List

PIN #	Highway	From	To	Description	Project Type	FY2008 - FY2013 Allocation
B-739	Aptakisic Road	Buffalo Grove Road	IL Route 83	Widen to 4 lanes	Assembly Line	\$2,672,154
B-674	Arlington Hts Rd	Alden Lane	Lake-Cook Rd	Concrete Patch / Grind	Ramp Up	\$1,503,100
B-735	Buffalo Grove Rd	Deerfield Parkway	IL Rte 83	Add SB thru lane	Ramp Up	\$1,000,000
E-559	Buffalo Grove Rd	IL Route 22	Deerfield Parkway	Widen to 4 lanes	Assembly Line	\$585,600
E-553b	Cedar Lake Rd	IL Route 120	IL Route 60	New Highway Extension	Ramp Up	\$9,187,000
B-177	Cedar Lake Road	IL Route 120	Nippersink Rd	Reconstruction	Ramp Up	\$673,000
B-743	Challenge Bonds Project Set "A"					\$50,000,000
B-748	Challenge Bonds Project Set "B" & "C"					\$50,000,000
E-561a	Delany Road	Tannahill Drive	York House Road	Add Lanes	Ramp Up	\$13,750,000
B-256	Fairfield Rd	at Gossell Rd		Intersection Realignment	Ramp Up	\$100,000
B-729	Fairfield Road	at IL Route 176		Interchange	Challenge Bonds Project Set "A" (Contains a Ramp Up Cost Component)	\$1,500,000
B-730	Fairfield Road	at IL Route 134 / Metra RR (Metra Milwaukee District North Line Service)		Underpass	Challenge Bonds Project Set "A" (Contains a Ramp Up Cost Component)	\$1,300,000
B-728	Gilmer Road	at Midlothian Road		Intersection	Assembly Line	\$1,012,950
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more >

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