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MEMORANDUM

To: Regional Transportation Operations Coalition

From: Tom Murtha

Date: June 8, 2011

Re: Project Packages

The MPO Policy Committee requested that the Regional Transportation Operations Coalition identify projects of particular significance in advancing the goals, objectives and action areas of the GO TO 2040 Comprehensive Regional Plan. These projects may be either directly identified by the Regional Transportation Operations Coalition or identified from among traffic flow improvements submitted during the regular call for projects for the Congestion Mitigation and Air Quality Improvement (CMAQ) Program. It is anticipated that one or more regional indicators would be improved by the projects. The recommended projects are asked to provide a coherent, identifiable achievement over the five-year time frame, i.e. a focused program. Projects may only be recommended to the PSC which have a committed implementer.

GO TO 2040 encourages a multi-modal approach and the program focus groups will be encouraged to consider projects that advance multiple modes. Implementers are encouraged to participate in groups outside of their traditional modal focus. For example, transit agencies are encouraged to take advantage of their participation on RTOC to provide their perspective on projects that would benefit both transit operations and highway users.

Some projects recommended by the program focus groups may not in the final analysis end up being good CMAQ projects, or there may be insufficient funds to program all good CMAQ candidate projects. Projects not selected for CMAQ funding will be kept as priorities by the program focus groups and could be considered for implementation with other funding.

Following are several options for focused programs to advance GO TO 2040.

Potential Package 1: Congestion Management System Improvements. This package of projects prioritizes congestion relief on Strategic Regional Arterials, Other Principal Arterials, and the National Highway System. The projects in this package were selected from among traffic flow improvement proposals submitted through the call for CMAQ projects for being on regionally important highway systems, and for being ranked highly for safety and congestion measures. These measures include the travel time index, vehicles per lane, and the severity index of intersection crashes.

These projects have high congestion and/or crash severity indicators. Federal planning and engineering processes applied to these congested locations are likely to alleviate congestion and improve safety. At the same time, the concept of this package is that such projects for regional programs should be drawn from a prioritized Strategic Regional Arterial System or similar regional highway systems.

Many of the projects below are for intersection channelization projects that reduce the conflict points for vehicles. Such channelization reduces delay and may reduce the number and severity of intersection crashes.

The package consists of the following projects, ranked by order of importance. The total package consists of a federal request of \$63,889,290.

CMAQ ID	geo+safety (plus tti+vpl+sev)	Facility to be Improved	Project Cost	Federal Request	Project Description	Program year	ROW	Design	Construction Ready?
		Fabyan Pky/Washington St.			Additional turn and through lanes. Extend existing turn	2012-			
1108123813	9	at Roosevelt Rd.	\$9,000,000.00	\$6,325,000.00	lanes	2014	R	U	N
II10123462	8	US 12 at IL 120	\$2,500,000.00	\$2.000.000.00	Additional turn lanes.	2015- 2016	R	N	N

					Widening of Barrington Rd from a 3-lane cross section to 5-				
		Barrington Rd from IL			lane cross section along 3300 ft between IL Rte 62 and	2015 -			
BE03123473	7	62/Algonquin Rd to Mudhank Rd	\$8,700,000.00	\$6,960,000.00	Mudhank Rd. Barringon Rd is generally a 5-lane cross section in this area with the exception of this segment.	2013 -	N	N	N
		IL 59/Sutton Rd at Stearns				2014-			
II03123448	7	Rd	\$1,700,000.00	\$1,360,000.00	Additional turn lanes and signal modernization.	2015	R	N	N
		IL 62/Algonquin Rd at				2015-			
II03123469	7	Barrington Rd	\$600,000.00	\$480,000.00	Additional turn lanes.	2016	N	N	N
						2012-			
1103123498	7	IL 59 at W Bartlett Rd	\$720,000.00	\$576,000.00	Additional turn lanes.	2013	R	U	N
		IL 68/E Dundee Rd at S				2014-			
1103123505	7	Barrington Rd	\$720,000.00	\$576,000.00	Additional turn lanes.	2015	R	U	N
		IL 62/Algonquin Rd from			Additional through and turn lanes. Ped actuation signal	2014-			
1103123696	7	Meacham Rd to Thoreau Dr	\$5,723,000.00	\$4,578,000.00	and ADA requirements	2015	R	Α	N
		Rand Rd. at Mt. Prospect							
		Rd., Rand Rd. at Central Rd, Central Rd, at Mt. Prospect				2012-			
II03123803	7	Rd.	\$1,895,000.00	\$72,000.00	Additional turn lanes and signal re-timing	2015	R	N	N
						2012-			
1106123477	7	IL 43/Harlem Av at 111th St	\$720,000.00	\$576,000.00	Additional turn lanes and signal modernization	2013	R	U	N
					Additional turn lanes and widening. Traffic signal				
U40422764	_	Lake Cook Rd at IL	ć 4 272 000 00	¢2.074.000.00	modernization and integration into Lake County Passage.	2016		١	N.
II10123764	7	83/McHenry Rd	\$4,272,000.00	\$2,974,000.00	Funding for construction only.	2016	R	U	N
C14.0422.52.C	7	IL 120/Belvidere Rd from IL	ća 204 440 00	Ć1 01E 340 00	3 signal modernized and interconnect will connect to	2014- 2015	N	N	
SI10123526		134/Main St to US 45	\$2,394,140.00	\$1,915,310.00	PASSAGE; VIDEO		N	N	N
1102122500	6	Calf Dd at Harms Dd	¢720,000,00	¢E76 000 00	Additional turn lanes	2014- 2015	D	U	N
1102123509	0	Golf Rd at Harms Rd	\$720,000.00	\$576,000.00	Additional turn lanes.		R	U	N
1102422440	_	IL 68/Dundee Rd at North	Ć400.000.00	6204.000.00	Additional Assessing	2015-	N	N.	
II03123449	6	Wilke Rd	\$480,000.00	\$384,000.00	Additional turn lanes.	2016	N	N	N

		IL 68/Dundee Rd at Buffalo				2014-			
II03123453	6	Grove Rd	\$2,700,000.00	\$2,160,000.00	Additional turn lanes and signal modernization	2015	R	N	N
		IL 68/Dundee Rd at				2014-			
1103123493	6	Kennicott Av	\$420,000.00	\$336,000.00	Additional turn lanes.	2015	N	N	N
			4 120/000100	~					
	(IL 68/Dundee Rd at McHenry	44 900 000 00	4050 000 00		2014-	_		
1103123497	6	Rd/Wheeling Rd	\$1,200,000.00	\$960,000.00	Additional turn lanes and signal modernization.	2015	R	N	N
						2014-			
II03123512	6	6 IL 68/Dundee Rd at IL 83 \$1,050,000.00 \$840,000.00 Additional turn lanes and signal modernization		2015	R	N	N		
		IL 68/Dundee Rd at			Additional turn lanes and signal modernizaion. Relocating	2012-			
1103123750	6	6 Community Blv \$3,780,000.00 \$3,024,000.00 business entrances.		2014	R	N	N		
U05422752	C	IL 171/1st Av at Forest Additional turn lanes and signal modernization. Study to		2013-	n	NI.	l NI		
1105123753	б	6 Ave/Ridgewood Rd \$2,325,000.00 \$1,860,000.00 determine best improvements		2016	R	N	N		
		Cermak Rd at 49th Av and							
II05123754	6	50th Av	\$1,217,900.00	\$947,280.00	Additional turn lanes and signal modernization	2012	N	S	N
						2015-			
1106123485	6	IL 43/Harlem Av at 143rd St	\$700,000.00	\$560,000.00	Additional turn lanes.	2016	R	N	N
			, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,					
	(4======================================	4======================================		2015-			
1106123492	6	US 45/96th Av at 123rd St	\$720,000.00	\$576,000.00	Additional turn lanes.	2016	N	N	N
		IL 38/Roosevelt Rd at				2015-			
II08123475	6	Ardmore Ave	\$700,000.00	\$560,000.00	Additional turn lanes.	2016	R	N	N
		IL 59/Neltnor Blv at Batavia				2015-			
1108123496	6	Rd	\$850,000.00	\$680,000.00	Additional turn lanes.	2016	R	N	N
			+	+ 000,000					
					Additional turn lanes and widening. Traffic signal				
II10123765	6	Lake Cook Rd at Weiland Rd	\$5,231,000.00	\$4,185,000.00	modernization and integration into Lake County Passage. Funding for construction only.	2015	R	U	N
	J		+5,252,000.00	÷ .,100,000.00		2013			
		Lake Cook Dd at Duffal-			Additional turn lanes and widening. Traffic signal				
II10123783	6	Lake Cook Rd at Buffalo Grove Rd	\$7,030,000.00	\$5,113,000.00	modernization and integration into Lake County Passage. Funding for construction only.	2016	R	U	N
1110123703	U	Grove Nu	77,030,000.00	73,113,000.00	ranang for construction only.	2010	- 1 \	J	

		T	1				1	T	
		Ashland Av from Roosevelt Rd to Cermak Rd/Blue Island		4		2013-			
SI01123520	6	Av	\$2,300,000.00	\$1,880,000.00	7 signals on Ashland; cameras, 1 VMS	2015	N	N	N
SI01123522	6	IL 19/Irving Park Rd from Western Av to US 41/Lake Shore Dr	\$1,160,000.00	\$948,000.00	Upgrade signal interconnect to Adaptive Signal Control 13 intersections	2012- 2014	N	N	N
II02123789	5	Waukegan Rd at Chestnut Ave	\$4,844,000.00	\$2,400,000.00	Additional turning lanes and storage. Also widening lanes. CMAQ for Constr.	2013	R	Α	N
II03123490	5	IL 19/Irving Park Rd at IL 59	\$420,000.00	\$336,000.00	Additional turn lanes.	2014- 2015	N	N	N
II03123510	5	US 20 at Oak Av	\$720,000.00	\$576,000.00	Additional turn lanes.	2012- 2013	R	U	N
1103123807	5	US12/Rand Rd at IL 83/Elmhurst Rd and Kensington Rd	\$184,600.00	\$147,700.00	Intersection and signal improvements	2012- 2015	R	N	N
1106123487	5	IL 43/Harlem Av at 151st St	\$1,000,000.00	\$800,000.00	Additional turn lanes.	2015- 2016	R	N	N
II10123495	5	IL 60/83 at Midlothian Rd	\$1,200,000.00	\$960,000.00	Additional turn lanes.	2015- 2016	R	N	N
II10123499	5	US 12 Southbound Ramp at IL 176	\$480,000.00	\$384,000.00	Additional turn lanes.	2013- 2014	R	U	N
II11123459	5	IL 173 at Wilmot Rd	\$3,200,000.00	\$2,560,000.00	Roundabout	2013- 2014	R	U	N
II12123489	5	US 30/Lincoln Hwy at I-55 Ramps	\$1,000,000.00	\$800,000.00	Additional turn lanes on ramps. Construction only	2014	N	N	N
SI01123523	5	US 41/Lakeshore Dr and Columbus Dr from Monroe Dr to US 41/Waldron Dr (1600 S)	\$1,180,000.00	\$944,000.00	Upgrade signal interconnect to Adaptive Signal Control 11 intersections	2012	N	N	N

		US 12/Rand Rd from IL 176			Interconnect to other signal systems along U.S. Rte 12 and	2014-			1
SI10123525	5	Ramps to Milller Rd	\$2,330,200.00	\$1,864,160.00	upgrade other signals. Also connect to PASSAGE; VIDEO	2015	N	Ν	N

Potential Package 2: Railroad Grade Separation Improvements. This package of projects prioritizes congestion relief by reducing conflicts between rail and highway systems. The projects in this package were selected from among traffic flow improvement proposals submitted through the call for CMAQ projects. In addition, a number of additional highway rail grade separation projects are under development and could be funded by the CMAQ Program, including grade separations in the CREATE Program and grade separations identified as part of the mitigation strategy for the CN purchase of the Elgin Joliet and Eastern Railway. The improvements either widened existing grade separations (eliminating bottlenecks) or constructed new grade separations.

Railroad grade separations have several benefits. First, they reduce highway congestion by reducing rail-highway conflicts. Second, they eliminate the hazards that at-grade highway-rail crossings pose. Crashes at these locations are often deadly, and can cause substantial costs to blocked passenger and freight rail systems and to highway users.

Railroad bridges often last one-hundred years. Hence, many were constructed before travel demand was very high. Bumping out bridge abutments is often necessary for eliminating bottlenecks.

The package consists of the following projects. The total package consists of a federal request of more than \$27 million.

The Washington Street Grade Separation will probably be ready for letting in 2013.

CMAQ ID	Facility to be Improved	Project Cost	Federal Request	Project Description	Program year	ROW	Design	Construction Ready?
BE08123805	N Aurora Rd from Pennsbury Ln to Frontenac Rd – CN/EJ&E RR Underpass	\$30,407,000.00	\$10,300,000.00	Improvements to the N. Aurora Rd. underpass at the CN/EJ&E railroad. Creates a five lane roadway cross section that is consistent with existing pavement to the east and west. The improvement will eliminate the last piece of two lane road in a 10 mile corridor.	2014	R	А	N
BE10123791	CH A22/Washington St at CN/Metra Crossing	\$21,174,000.00	\$16,939,000.00	Construct a grade separation between Washington St. and the CN/Metra railroad tracks. Phase 1 and 2 engineering and right-of-way acquisition complete.	2013	R	U	P - 2013

The project may be expanded by adding CREATE projects (Roosevelt at Kautz, Irving Park at York, or any of about 20 engineering projects to initiate) or that portion of the CN/EJE mitigation projects (US 34 at CN in Aurora, or US 30 at CN in Lynwood) not funded by CN.

Potential Package 3: Highway System Modernization (ITS). This package of projects consists of projects providing congestion relief by improving the system through better information and modernized operations. Better information allows better management of incidents, reducing incident delay, and allows the dissemination of better traveler information. The projects in this package were selected from among traffic flow improvement proposals submitted through the call for CMAQ projects (transit signal priority is handled separately). This list of projects can be expanded by implementing more of the packages included in the region's ITS Plan and in the Regional ITS Architecture.

A few technologies deserve special mention. First, adaptive signal control proposals will improve the real-time capability of signal systems to be resilient in various traffic conditions. Adaptive control technologies typically include improved detection of traffic conditions and improved algorithms for managing traffic in congested conditions. Second, several improvements in this package involve variable message signs (VMS) on arterial highways. Such VMS systems, often seen on the expressway system in the past, are now being deployed to provide better enroute travel information, often at key decision points. Third, and more generally, the package includes better information systems for arterial highways, often involving providing information to central traffic management centers; which can then coordinate traffic and incident response with other agencies and distribute information via web services or the Gateway Traveler Information System.

The following package totals approximately \$42,315,000 in federal funds.

CMAQ ID	Facility to be Improved	Project Cost	Federal Request	Project Description	Program year	Completion year	ROW		Cubes di scitti in transcon
SI10123526	IL 120/Belvidere Rd from IL 134/Main St to US 45	\$2,394,140.00	\$1,915,310.00	3 signal modernized and interconnect will connect to PASSAGE; VIDEO	2014- 2015	2015	N	N	N
II10123765	Lake Cook Rd at Weiland Rd	\$5,231,000.00	\$4,185,000.00	Additional turn lanes and widening. Traffic signal modernization and integration into Lake County Passage. Funding for construction only.	2015	2016	R	U	N
II10123783	Lake Cook Rd at Buffalo Grove Rd	\$7,030,000.00	\$5,113,000.00	Additional turn lanes and widening. Traffic signal modernization and integration into Lake County Passage. Funding for construction only.	2016		R	U	N

	Ashland Av from Roosevelt Rd to								
	Cermak Rd/Blue Island				2013-				
SI01123520	Av	\$2,300,000.00	\$1,880,000.00	7 signals on Ashland; cameras, 1 VMS	2015	2015	N	N	N
	IL 19/Irving Park Rd								
	from Western Av to US			Upgrade signal interconnect to Adaptive Signal Control	2012-				
SI01123522	41/Lake Shore Dr	\$1,160,000.00	\$948,000.00	13 intersections	2014	2014	N	N	N
	US 41/Lakeshore Dr								
	and Columbus Dr from			Unamed a signal intercent and to Adoptive Signal Control					
SI01123523	Monroe Dr to US 41/Waldron Dr (1600 S)	\$1,180,000.00	\$944,000.00	Upgrade signal interconnect to Adaptive Signal Control 11 intersections	2012	2014	N	N	N
3101123323	US 12/Rand Rd from IL	\$1,180,000.00	\$344,000.00	Interconnect to other signal systems along U.S. Rte 12	2012	2014	IN	IN	IV
	176 Ramps to Miller			and upgrade other signals. Also connect to PASSAGE;	2014-				
SI10123525	Rd	\$2,330,200.00	\$1,864,160.00	VIDEO	2015	2015	N	N	N
	Sheridan Rd from			Interconnect to other signal systems along IL 137 and					
	Wadsworth Rd to			signal modernization. Also connect to PASSAGE;	2013-				
SI10123531	Grand Av	\$3,852,290.00	\$3,081,830.00	VIDEO	2014	2014	N	N	N
	5 1 5 16 5 5 11								
	Eola Rd from E New York St to Wolf's				2013-				
SI09123545	Crossing Rd	\$1,834,500.00	\$1,467,600.00	Signal interconnect and modernization of 9 signals	2013-	2014	N	N	N
3.33123343	C. 5551116 110	Ç1,034,300.00	71,407,000.00	Signal intersollinest and modernization of 3 signals	2014	2017	1,		1,4
	IL 83 from IL 173 to			Interconnect to other signal systems along IL 83 and	2013-				
SI10123524	Millstone Dr	\$2,017,480.00	\$1,613,990.00	connect to PASSAGE; VIDEO	2014	2014	N	N	N
	Aptakisic Rd Adaptive			Adaptive Signal Control on Aptakisic Rd between	2012-				
DE10123576	Traffic Control	\$488,270.00	\$390,610.00	Brandywyn Ln. to Parkway Dr.	2013		N	N	Р
	Cilmon / Havyley / H 17C		•		2012				
DE10123580	Gilmer/Hawley/IL176 Adaptive Traffic Control	\$1,291,380.00	\$1,033,110.00	Adaptive Signal Control on Gilmer Rd between Freemont Center Rd and Midlothian Rd	2012- 2013		N	N	P
DL10123360	Cermak Rd from	71,291,300.00	\$1,033,110.00	Treemont Center Nu and Middlethan Nu	2013		IN	110	F
	Ashland Av to MLK Jr				2012-				
SI01123519	Dr	\$3,275,000.00	\$2,080,000.00	15 signals on Cermak; cameras	2013	2014	N	U	Р

							1		
SI01123521	Ashland Av from Devon Av/Clark St to Fullerton Av/Ashland Av	\$5,225,000.00	\$3,920,000.00	7 signals on Ashland. Includes cameras and VMS	2012- 2014	2015	N	N	N
	Village of Oak Par	12, 2,222	, -,,	replacement of system software and network server					
	Traffic Signal			for Traffic management system; includes E-2, so C in					
SI04123542	Management System	\$130,400.00	\$104,320.00	2012 is unlikely	2012	2012	N	U	N
3104123342	ivianagement system	\$150,400.00	\$104,520.00	2012 is utilikely	2012	2012	IN	U	IN
	DuPage Co Central			Phase 1 North DuPage area. 55 intersections.	2012-				
SI08123515		\$895,000.00	\$716,000.00	Includes video	2012	2014	N.	N	Р
3108123313	Signal System - Phase I	\$895,000.00	\$710,000.00	includes video	2013	2014	N	N	P
	DuPage Co Central			Dhaco 2 North DuDago area. Evnand to 77 signals	2013-				
CI00122F16	J	¢846 000 00	¢676 900 00	Phase 2 North DuPage area. Expand to 77 signals. Includes video.	2013-	2015	NI.	N	NI NI
SI08123516	Signal System - Phase II	\$846,000.00	\$676,800.00	includes video.	2014	2015	N	N	N
	DuPage County Central								
	Signal System - Phase			Phase 3 North DuPage area. Expand to 108 signals.	2014-				
SI08123517	III	\$1,325,000.00	\$980,000.00	Includes video	2015	2016	N	N	N
	CH 37/Stearns Rd from								
	Randall Rd to								
	Kane/DuPage County			Adaptive signal control, road weather information	2013-				
SI09123533	Line	\$2,235,750.00	\$1,788,600.00	system, dms, cctv, and traffic data collectors	2014	2015	N	N	N
	Cedar Lake Rd from	, ,		Interconnect to other signal systems along Cedar Lake					
	Rollins Rd to S Rosedale			Rd and connected to PASSAGE. 1 signal modernized.	2012-				
SI10123527	Ct	\$930,070.00	\$744,060.00	VIDEO	2013	2013	N	N	Р
0.10110017	-	<i>\$555,675.</i> 555	Ψ7.1.)000.00						•
	Waukegan Rd from								
	Casimir Pulaski Dr to			Inconnect to other signal systems along IL 43 and be	2013-				
SI10123528	Norman Dr South	\$2,096,120.00	\$1,676,900.00	connected to PASSAGE. 3 signals modernized. VIDEO	2014	2014	N	N	N
	Lake St from	. , . ,	, , , , , , , , , , , , , , , , , , , ,	0	-				
	Washington St to			Interconnect to other signal systems and connect to	2014-				
SI10123560	Belvidere Rd	\$675,180.00	\$540,140.00	PASSAGE; VIDEO	2015	2015	N	N	N
3110123300	Belvidere ita	Ş073,180.00	7540,140.00	TASSAGE, VIDEO	2013	2013	14	10	11
	Sunset Av, Glen Flora			Signal interconnect for 5 roads and signal					
	Av, Jackson St, 10th St			modernization at two intersections. Also connect to	2014-				
SI10123818	and 14th St	\$2,953,970.00	\$2,363,180.00	PASSAGE; VIDEO	2015	2015	N	N	N
3110123010	Arterial VMS Traveler	72,333,370.00	72,303,100.00	17.057.02, 11020	2013	2013	14	14	14
					2042				
	Information System,		4		2012-				
OT01123611	Phase I	\$1,641,000.00	\$1,313,200.00	Arterial VMS Traveler Information System, Phase I	2014				
	Arterial Detection								
	System				2012-				
OT01123612	Improvements	\$1,219,000.00	\$975,200.00	Arterial Detection System Improvements	2016				
0.01123012	Improvements	71,213,000.00	7373,200.00	Anterial Detection System improvements	2010		<u> </u>		

Potential Package 4: Transit Signal Priority and TSP Supportive Highway Improvements.

This package of projects consists of projects providing transit signal priority, facilitating on-time service by arterial-running buses. This is a basic transit modernization strategy, as called for by GO TO 2040. In addition, the TSP package includes highway improvements designed to reduce highway congestion on TSP routes. Further, TSP implementation often involves signal timing optimization, improving arterial operations performance. Also, TSP routes are often major arterial highways, so there are major multi-modal travel time benefits to adopting such an approach.

The following package totals approximately \$119,666,000 in federal funds.

CMAQ ID	Facility to be Improved	Project Cost	Federal Request	Project Description	Program year	Completion year	ROW	Design	Construction Ready?
SI10123526	IL 120/Belvidere Rd from IL 134/Main St to US 45	\$2,394,140.00	\$1,915,310.00	3 signal modernized and interconnect will connect to PASSAGE; VIDEO	2014- 2015	2015	N	N	N
II10123765	Lake Cook Rd at Weiland Rd	\$5,231,000.00	\$4,185,000.00	Additional turn lanes and widening. Traffic signal modernization and integration into Lake County Passage. Funding for construction only.	2015	2016	R	U	N
II10123783	Lake Cook Rd at Buffalo Grove Rd	\$7,030,000.00	\$5,113,000.00	Additional turn lanes and widening. Traffic signal modernization and integration into Lake County Passage. Funding for construction only.	2016		R	U	N
SI01123520	Ashland Av from Roosevelt Rd to Cermak Rd/Blue Island Av	\$2,300,000.00	\$1,880,000.00	7 signals on Ashland; cameras, 1 VMS	2013- 2015	2015	N	N	N

	IL 19/Irving Park								
	Rd from Western								
	Av to US 41/Lake			Upgrade signal interconnect to Adaptive Signal Control	2012-				
SI01123522	Shore Dr	\$1,160,000.00	\$948,000.00	13 intersections	2014	2014	N	N	N
	US 12/Rand Rd	<i>+ =,===,====</i>	40 10,000100	Interconnect to other signal systems along U.S. Rte 12					
	from IL 176 Ramps			and upgrade other signals. Also connect to PASSAGE;	2014-				
SI10123525	to Milller Rd	\$2,330,200.00	\$1,864,160.00	VIDEO	2015	2015	N	N	N
	Cermak Rd from								
	Ashland Av to MLK				2012-				
SI01123519	Jr Dr	\$3,275,000.00	\$2,080,000.00	15 signals on Cermak; cameras	2013	2014	N	U	Р
	Ashland Av from								
	Devon Av/Clark St								
	to Fullerton				2012-				
SI01123521	Av/Ashland Av	\$5,225,000.00	\$3,920,000.00	7 signals on Ashland. Includes cameras and VMS	2014	2015	N	N	N
	Village of Oak Par								
	Traffic Signal			replacement of system software and network server for					
	Management			Traffic management system; includes E-2, so C in 2012 is					
SI04123542	System	\$130,400.00	\$104,320.00	unlikely	2012	2012	N	U	N
	DuPage Co Central								
	Signal System -			Phase 1 North DuPage area. 55 intersections. Includes	2012-				
SI08123515	Phase I	\$895,000.00	\$716,000.00	video	2013	2014	N	N	Р
	DuPage Co Central				2042				
C100422546	Signal System -	¢0.4.C 000 00	¢676 000 00	Phase 2 North DuPage area. Expand to 77 signals.	2013-	2045			
SI08123516	Phase II	\$846,000.00	\$676,800.00	Includes video.	2014	2015	N	N	N
	DuPage County Central Signal			Phase 3 North DuPage area. Expand to 108 signals.	2014-				
SI08123517	System - Phase III	\$1,325,000.00	\$980.000.00	Includes video	2014-	2016	N	N	N
3106123317	Waukegan Rd from	\$1,323,000.00	\$980,000.00	includes video	2015	2010	IN	IN	IN
	Casimir Pulaski Dr								
	to Norman Dr			Inconnect to other signal systems along IL 43 and be	2013-				
SI10123528	South	\$2,096,120.00	\$1,676,900.00	connected to PASSAGE. 3 signals modernized. VIDEO	2013	2014	N	N	N
5.10123323	Lake St from	+ 2,000,120.00	Ţ 1,0,0,000.00	Tomicated to 17 lbb/ lbEr o signals model meet vibeo	2011	2014			
	Washington St to			Interconnect to other signal systems and connect to	2014-				
SI10123560	Belvidere Rd	\$675,180.00	\$540,140.00	PASSAGE; VIDEO	2015	2015	N	N	N
	Fabyan	,,	1 = -/ =	, -					
	Pky/Washington			Additional turn and through lanes. Extend existing turn	2012-				
1108123813	St. at Roosevelt Rd.	\$9,000,000.00	\$6,325,000.00	lanes	2014		R	U	N
					2015-				
II10123462	US 12 at IL 120	\$2,500,000.00	\$2,000,000.00	Additional turn lanes.	2016		R	N	N

BE03123473	Barrington Rd from IL 62/Algonquin Rd to Mudhank Rd	\$8,700,000.00	\$6,960,000.00	Widening of Barrington Rd from a 3-lane cross section to 5-lane cross section along 3300 ft between IL Rte 62 and Mudhank Rd. Barringon Rd is generally a 5-lane cross section in this area with the exception of this segment.	2015 - 2016	2016	N	N	N
1103123448	IL 59/Sutton Rd at Stearns Rd	\$1,700,000.00	\$1,360,000.00	Additional turn lanes and signal modernization.	2014- 2015		R	N	N
II03123469	IL 62/Algonquin Rd at Barrington Rd	\$600,000.00	\$480,000.00	Additional turn lanes.	2015- 2016		N	N	N
1103123498	IL 59 at W Bartlett Rd	\$720,000.00	\$576,000.00	Additional turn lanes.	2012- 2013		R	U	N
1103123505	IL 68/E Dundee Rd at S Barrington Rd	\$720,000.00	\$576,000.00	Additional turn lanes.	2014- 2015		R	U	N
II03123696	IL 62/Algonquin Rd from Meacham Rd to Thoreau Dr	\$5,723,000.00	\$4,578,000.00	Additional through and turn lanes. Ped actuation signal and ADA requirements	2014- 2015		R	Α	N
1103123803	Rand Rd. at Mt. Prospect Rd., Rand Rd. at Central Rd, Central Rd, at Mt. Prospect Rd.	\$1,895,000.00	\$72,000.00	Additional turn lanes and signal re-timing	2012- 2015		R	N	N
1106123477	IL 43/Harlem Av at 111th St	\$720,000.00	\$576,000.00	Additional turn lanes and signal modernization	2012- 2013		R	U	N
II10123764	Lake Cook Rd at IL 83/McHenry Rd	\$4,272,000.00	\$2,974,000.00	Additional turn lanes and widening. Traffic signal modernization and integration into Lake County Passage. Funding for construction only.	2016	2016	R	U	N
1102123509	Golf Rd at Harms Rd	\$720,000.00	\$576,000.00	Additional turn lanes.	2014- 2015		R	U	N
1103123449	IL 68/Dundee Rd at North Wilke Rd	\$480,000.00	\$384,000.00	Additional turn lanes.	2015- 2016		N	N	N
II03123453	IL 68/Dundee Rd at Buffalo Grove Rd	\$2,700,000.00	\$2,160,000.00	Additional turn lanes and signal modernization	2014- 2015		R	N	N

	IL 68/Dundee Rd at				2014-			
II03123493	Kennicott Av	\$420,000.00	\$336,000.00	Additional turn lanes.	2015	N	N	N
	IL 68/Dundee Rd at							
	McHenry				2014-			
II03123497	Rd/Wheeling Rd	\$1,200,000.00	\$960,000.00	Additional turn lanes and signal modernization.	2015	R	N	N
	IL 68/Dundee Rd at				2014-			
II03123512	IL 83	\$1,050,000.00	\$840,000.00	Additional turn lanes and signal modernization	2015	R	N	N
	IL 68/Dundee Rd at			Additional turn lanes and signal modernizaion.	2012-			
II03123750	Community Blv	\$3,780,000.00	\$3,024,000.00	Relocating business entrances.	2014	R	N	N
	IL 171/1st Av at							
	Forest			Additional turn lanes and signal modernization. Study to	2013-			
II05123753	Ave/Ridgewood Rd	\$2,325,000.00	\$1,860,000.00	determine best improvements	2016	R	N	N
	Cermak Rd at 49th							
II05123754	Av and 50th Av	\$1,217,900.00	\$947,280.00	Additional turn lanes and signal modernization	2012	N	S	N
	IL 43/Harlem Av at				2015-			
1106123485	143rd St	\$700,000.00	\$560,000.00	Additional turn lanes.	2016	R	N	N
	110 45 /0 Ct 1				2015			
1105422402	US 45/96th Av at	ć720 000 00	ć=76 000 00	A 1 192	2015-	١	١.,	
1106123492	123rd St	\$720,000.00	\$576,000.00	Additional turn lanes.	2016	N	N	N
	IL 38/Roosevelt Rd				2015-			
1100122475	•	ć700 000 00	¢5.00.000.00	A delitional trumplance			NI NI	N
1108123475	at Ardmore Ave	\$700,000.00	\$560,000.00	Additional turn lanes.	2016	R	N	N
	IL 59/Neltnor Blv				2015-			
1109122406	at Batavia Rd	¢850 000 00	¢690 000 00	Additional turn lanes.	2015-	R	N	N
1108123496	at Datavia Nu	\$850,000.00	\$680,000.00	Additional turn lanes.	2016	N.	IN	N
	Waukegan Rd at			Additional turning lanes and storage. Also widening				
1102123789	Chestnut Ave	\$4,844,000.00	\$2,400,000.00	lanes. CMAQ for Constr.	2013	R	Α	N
1102123763	Chestilut Ave	74,044,000.00	72,400,000.00	Taries. Civing for constr.	2013	11	٨	I V
	IL 19/Irving Park				2014-			
1103123490	Rd at IL 59	\$420,000.00	\$336,000.00	Additional turn lanes.	2015	N	N	N
		Ç 123,000.00	4550,000.00	- Table Control Control	2013			
	US12/Rand Rd at IL							
	83/Elmhurst Rd				2012-			
1103123807	and Kensington Rd	\$184,600.00	\$147,700.00	Intersection and signal improvements	2015	R	N	N
		•						
	IL 43/Harlem Av at				2015-			
1106123487	151st St	\$1,000,000.00	\$800,000.00	Additional turn lanes.	2016	 R	N	N
		φ±,000,000.00	Ç000,000.00		2010	1	L.,	ı ·•

II12123489	US 30/Lincoln Hwy at I-55 Ramps	\$1,000,000.00	\$800,000.00	Additional turn lanes on ramps. Construction only	2014		N	N	N
1112125469	at 1-55 Kallips	\$1,000,000.00	\$600,000.00	Additional turn lanes of ramps. Construction only	2014		IN	IN	IN
	Touhy Av at Harts				2012-				
II03123757	Rd/Gross Point Rd	\$1,132,000.00	\$201,600.00	Additional turn lanes and signal modernization	2015		R	N	N
	IL 59 at IL 38								
1108123450	(south ramps)	\$400,000.00	\$320,000.00	Additional turn lanes. Ramp widening	2015		N	N	N
	(co atom compo)	4 100,000100	+==0,000000	, , , , , , , , , , , , , , , , , , ,					
	IL 59 at IL 38				2014-				
1108123491	(north ramps)	\$800,000.00	\$640,000.00	Additional turn lanes. Ramp widening	2015		R	N	N
	US 45 at IL				2013-				
II10123504	173/Rosecrans Rd	\$720,000.00	\$576,000.00	Additional turn lanes.	2014		R	U	N
U40422760	IL 43/Waukegan	64 000 000 00	¢054.000.00	A Live Land	2012-		_		
II10123769	Rd at Everett Rd East Av from	\$1,080,000.00	\$864,000.00	Additional turn lanes. Perform a study to review existing traffic signals, stop	2013		R	S	N
	Roosevelt Rd/12th			signs, and other traffic control devices along the corridor					
	St to Pershing			in order to make recommendations on future traffic					N - Study
BE05123751	Rd/39th St	\$55,000.00	\$44,000.00	related improvements	2012	2012	N	U	Only
	Cross Daint Dd at			Additional turn lanes and intersection widening. Bicycle	2012				
1102123777	Gross Point Rd at IL 58/Golf Rd	\$1,188,000.00	\$951,000.00	lane and sidewalks. Pedestrian signal modernization. CMAQ funding for ROW and Constr	2012- 2013		R	U	N
1102123777		71,100,000.00	\$331,000.00				IX.		14
1105422752	34th St at Oak Park	¢250,000,00	¢205 000 00	Installation of fully actuated signals with emergency	2012-			١	
1105123752	Av	\$359,000.00	\$286,000.00	preemption and ped count down	2015		N	U	N
	Pulaski Rd at 115th				2015-				
1106123451	St	\$1,050,000.00	\$840,000.00	Additional turn lanes and signal modernization	2016		R	N	N
1106123474	US 6 at 167th St	\$420,000.00	\$336,000.00	Additional turn lanes.	2015- 2016		N	N	N
1100123474	03 0 at 10/til 3t	3420,000.00	Ş330,000.00	Additional turn lanes.	2010		IN	IN	14
	Pulaski Rd. at 99th								
1106123657	St.	\$410,000.00	\$328,000.00	Protected left turn and signal modernization	2012		N	N	N
	IL 43/Waukegan				2012-				
II10123771	Rd at Westleigh Rd	\$2,180,000.00	\$1,744,000.00	Addition turn lanes, signal modernization, sidewalks	2014		N	N	N
	116.6/6 ::				2012				
II12123460	US 6/Southwest Hwy at Parker Rd	\$3,200,000.00	\$2,560,000.00	Roundabout	2013- 2014		R	U	N
1112123400	i iwy at raikei Nu	33,200,000.00	32,300,000.00	noundayout	2014		Λ	10	11

II12123488	US 6/Southwest Hwy at Gougar Rd	\$1,200,000.00	\$960,000.00	Additional turn lanes and traffic signal installation	2013- 2014	R	N	N
TI13123796	Regional Transit Signal Priority Integration Plan, Five Year Implementation: Priority Corridors	\$40,000,000.00	\$32,000,000.00	Eng and construction requested FFY 2012	2012			
TI17123801	95th St Corridor, Harlem Ave Corridor, Halsted St Corridor	\$6,500,000.00	\$5,200,000.00	TSP	2014			

Potential Package 5: Roundabouts. This package of projects consists of several roundabout proposals throughout the region. At intersections with appropriate volumes, roundabouts have lower traffic delay and fewer crashes than highway traffic signals at comparable intersections. Roundabouts are most appropriate for moderate-volume intersections, and are a good alternative to traffic signals at such locations. While most of the proposals below are to replace all-way stops with roundabouts, it is also desirable to replace some traffic signals with roundabouts.

The roundabouts below can serve to demonstrate the benefits of roundabouts to a greater part of the region. A few roundabouts are now open in northeastern Illinois, with several now in the planning stages.

The following package totals approximately \$25,612,000 in federal funds.

CMAQ ID	Facility to be Improved	Project Cost	Federal Request	Project Description	Program year	Completion year	ROW	Design	Construction Ready?
II12123460	US 6/Southwest Hwy at Parker Rd	\$3,200,000.00	\$2,560,000.00	Roundabout (US 6 considered for SRA?)	2013- 2014		R	U	N
II11123459	IL 173 at Wilmot Rd	\$3,200,000.00	\$2,560,000.00	Roundabout, on-system	2013- 2014		R	U	N
1109123766	Main St. at Deerpath Rd.	\$2,827,000.00	\$2,262,000.00	single lane roundabout, on-system	2012- 2015		R	N	N
1109123461	IL 47 at Plato Rd	\$3,200,000.00	\$2,560,000.00	Roundabout, on-system	2013- 2014		R	U	N
1106123793	Ravinia Ave and 153rd St	\$501,800.00	\$401,500.00	single lane roundabout	2012		R	N	N
II06123815	West Av and 151st St	\$997,900.00	\$798,350.00	single lane roundabout	2012		R	N	N
1106123816	Ravinia Av and 147th St	\$822,840.00	\$658,200.00	Double lane roundabout	2012		R	N	N
1107123457	183rd St at Central Av	\$3,200,000.00	\$2,560,000.00	Roundabout	2013- 2014		R	U	N
1107123758	Vollmer Rd at Kedzie Av	\$2,880,000.00	\$2,304,000.00	single lane roundabout	2012- 2015		R	N	N
II10123763	Fairfield Rd. at Monaville Rd.	\$2,689,000.00	\$2,151,000.00	single lane roundabout	2012- 2015		R	N	N
II10123768	Ela Rd. at Long Grove Rd.	\$2,410,000.00	\$1,921,000.00	single lane roundabout	2012- 2015		R	N	N

	CH A2/North Av at CH V67/Deep Lake				2012-			
II10123790	Rd	\$2,437,000.00	\$1,949,000.00	construct single lane roundabout	2015	R	N	N
	CH A9/Wadsworth							
	Rd at CH				2012-			
II10123792	W26/Kilbourne Rd	\$1,680,000.00	\$1,343,000.00	construct single lane roundabout	2016	R	N	N
	Crystal Lake Rd. at				2012-			
II11123747	Silver Lake Rd.	\$1,980,000.00	\$1,584,000.00	single lane roundabout	2014	R	N	N

Potential Package 6: Arterial Corridor Packages. Below is a package of arterial improvements along Dundee Road. These improvements, taken together, can substantially improve the operation of an entire corridor, as SRA improvements were initially intended.

Several such packages can be devised. One such possibility is to devise a set of improvements in keeping with the planned managed lane/express bus on I-90 in the northwest suburbs.

The following package totals approximately \$10,461,000 in federal funds.

CMAQ ID	Facility to be Improved	Project Cost	Federal Request	Project Description	Program year	Completion year	ROW	Design	Construction Ready?
II03123505	IL 68/E Dundee Rd at S Barrington Rd	\$720,000.00	\$576,000.00	Additional turn lanes.	2014-2015		R	U	N
1103123449	IL 68/Dundee Rd at North Wilke Rd	\$480,000.00	\$384,000.00	Additional turn lanes.	2015-2016		N	N	N

				Additional turn				
				lanes and				
	IL 68/Dundee Rd at			signal				
II03123453	Buffalo Grove Rd	\$2,700,000.00	\$2,160,000.00	modernization	2014-2015	R	N	N
	IL 68/Dundee Rd at			Additional turn				
1103123493	Kennicott Av	\$420,000.00	\$336,000.00	lanes.	2014-2015	N	N	N
	II CO/Dundaa Dd ab			Additional turn lanes and				
	IL 68/Dundee Rd at McHenry			signal				
1103123497	Rd/Wheeling Rd	\$1,200,000.00	\$960,000.00	modernization.	2014-2015	R	N	N
				Additional turn				
	IL 68/Dundee Rd at			lanes and signal				
1103123512	IL 83	\$1,050,000.00	\$840,000.00	modernization	2014-2015	R	N	N
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 7/2 2					
				Additional turn				
				lanes and				
				signal				
				modernizaion.				
	II CO/Dundaa Dd ab			Relocating				
1103123750	IL 68/Dundee Rd at Community Blv	\$3,780,000.00	\$3,024,000.00	business entrances.	2012-2014	R	N	N
1103123730	Community Biv	\$3,700,000.00	Ç3,02-1,000.00	citianices.	2012 2014	10	14	14
	IL 68/Dundee Rd at			Additional turn				
1102123454	Landwehr Rd	\$720,000.00	\$576,000.00	lanes.	2015-2016	R	N	N
	IL68/Dundee Rd at			Additional turn				
1102123470	Pfingsten Rd	\$1,000,000.00	\$800,000.00	lanes.	2015-2016	R	N	N
				realign turn				
				lanes, signal				
				modernization,				
				and construction of				
	IL 25/Dundee Av at			shared use				
1109123780	Congdon Av	\$1,006,000.00	\$804,800.00	path	2012-2014	N	N	N

Potential Package 7: Operations Program. As noted at the last RTOC meeting, there was a dearth of CMAQ project submittals addressing freeway congestion. The following can be used as a basis for operations program development over the next several years. Staff discussed these strategies at the previous meeting and wishes to confirm the following priorities for the Coalition:

Top Priority: FY 2012 CMAQ Program Development:

• Data Integration: PSAP/TMC

Second Priority:

• Incident Management Programs, including arterial incident management

Third Priority:

- Traveler Information (VMS, Web sites, HAR, etc.)
- Traffic Management (Detection/Sensors)

Fourth Priority:

• Speed Harmonization

(These will need additional write-up consistent with the presentation on May 19).