



MEMORANDUM

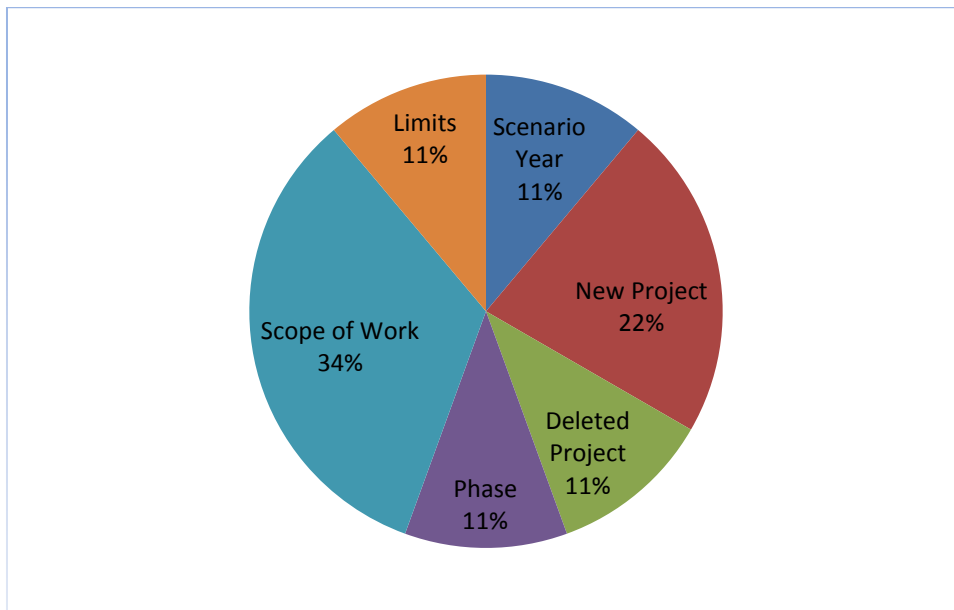
To: CMAP Board
MPO Policy Committee

From: CMAP Staff

Date: October 3, 2012

Re: Semi-annual GO TO 2040/TIP Conformity Analysis & TIP Amendments

In accordance with the biannual conformity analysis policy, CMAP staff asked programmers to submit changes to projects included in the regional air quality analysis of the Transportation Improvement Program (TIP) and GO TO 2040. We received responses from all programmers and specific TIP changes are listed in the attached report. Of the numerous changes requested, nine projects require air quality conformity analysis. Following is a summary of the requested changes.



Two new projects were included in the TIP and conformity analysis:

1. TIP ID [03-12-0034](#) is adding capacity on Shoe Factory Road from Essex Drive to Beverly Road.

2. TIP ID [09-12-0033](#) is an extension of Bowes Road from Schneider Drive to IL 31 LaFox Road in South Elgin.

Three existing projects requested a scope change. The scope of a project is determined by the [work type](#) included in the project.

- Non-exempt work types may affect air quality and must be tested for conformity. Examples of non-exempt work types are adding lanes to a road, signal timing and extending a rail line.
- Exempt tested work types do not require an air quality conformity analysis, but the region has chosen to include the impacts of the work types in the travel demand model. Exempt tested projects include lane widening to standard (e.g., 10 ft to 12 ft) and new commuter parking lots
- Exempt work types do not require an air quality conformity analysis. Examples of exempt work types are road resurfacing and bus rehabilitation.

One project is requesting a new non-exempt work type:

- TIP ID [02-12-0020](#) Central Avenue from Pratt Avenue to Sauganash Road.

The two projects have removed not exempt work types:

- TIP ID [01-10-0002](#) I-190 from Bessie Coleman Drive to I-90
- TIP ID [10-08-0037](#) IL 120 from Knight Avenue to IL 131 Green Bay Road.

One project is being deleted from the TIP:

- TIP ID [04-10-0015](#) Ruby Street.

One project requested to extend the original limits of the project:

- TIP ID [09-09-0028](#) US 34 Veteran's Parkway, will now extend from Eldamain Road to Center Parkway in Yorkville.

Completion years indicate when a project is anticipated to be in service to users and determines in which analysis year(s) the project will be included. The current conformity analysis includes four analysis years – 2016, 2020, 2030 & 2040. When a project's completion year moves across analysis years, a new conformity analysis for the project is required. Several projects changed completion years, but only one crossed an analysis year.

One project moved from the 2016 analysis year to the 2020 analysis year:

- TIP ID [12-06-0005](#) CH 83 80th Avenue from 183rd Street to 191st Street in Will County.

Each TIP ID includes a hyperlink to the TIP database for further project information, and the changes are also included in the report attached. TIP projects are also viewable in a map format, available at <http://www.cmap.illinois.gov/tip/tip-map>.

The 2016, 2020, 2030 and 2040 highway and transit networks were coded to include the project changes listed in the "Non-Exempt Projects Requiring Conformity Determination" report. The regional travel demand model was run using the updated networks. The resultant vehicle miles

traveled (VMT) by speed and facility type for eight vehicle classes was expanded to the twenty-eight vehicle types needed for use with USEPA's MOBILE model. The on-road emission estimates are the sum of those emissions for each precursor or direct pollutant in each scenario year. Reductions from the National Energy Policy Act Credit and Clean Fuel Fleet Program have not been claimed.

For ozone precursors, the resulting emissions estimates fell below the applicable attainment demonstration SIP budgets.

Since there are no SIP budgets for annual direct PM_{2.5} and NO_x emissions, these estimates were combined with estimates from northwest Indiana, which is also part of the nonattainment area. The combined direct PM_{2.5} and NO_x emissions remain below emissions estimates for 2002, the baseline year.

**Northeastern Illinois Transportation Improvement Program
TIP Amendment October 10, 2012
Conformity Analysis Summary Results**

Direct PM_{2.5} and NO_x Emissions in Tons per Year for PM_{2.5} Conformity

Year	Fine Particulate Matter			Nitrogen Oxide		
	Northeastern Illinois	Northwest Indiana	Nonattainment area Total	Northeastern Illinois	Northwest Indiana	Nonattainment area Total
2002	3,070.78	562.64	3,633.42	167,630.81	30,397.97	198,028.78
2016	1,050.26	112.30	1,162.56	40,354.45	3,931.12	44,285.57
2020	951.41	104.74	1,056.15	27,319.57	2,733.80	30,053.37
2030	943.93	109.60	1,053.53	18,859.38	1,964.01	20,823.39
2040	1,006.36	122.55	1,128.91	19,369.72	2,111.42	21,481.14

conformity is demonstrated by comparison of analysis year emissions to the baseline year (2002)

VOC and NO_x Emissions in Tons per Summer Day for Ozone Conformity

Year	Volatile Organic Compounds		Nitrogen Oxides	
	Northeastern Illinois	SIP Budget	Northeastern Illinois	SIP Budget
2016	59.23	133.78	109.11	284.65
2020	51.08	73.68	73.07	88.17
2030	50.99	73.68	48.86	88.17
2040	55.79	73.68	49.80	88.17

conformity is demonstrated by comparison of analysis year emissions to the SIP budgets

Notes:

Off-model benefits are not included in the total emissions estimates

NIRPC emissions from December 8, 2011 conformity analysis, assuming construction of Cline Avenue Bridge

ACTION REQUESTED: Approval

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Chicago Metropolitan Agency for Planning

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Conformity Amendments

Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change
01-10-0002 IDOT District 1 Division of Highways	Scope Changed	\$39753	\$0	\$ -39753	-100%

I- 190 I-190 FROM BESSE COLEMAN DR (COOK/Chicago) TO I- 90 KENNEDY EXPY (COOK/Rosemont)

Completion Year Before Revision: 2015

Completion Year After Revision: 2015

Project Work Types Before Revision: HIGHWAY/ROAD - ADD LANES
HIGHWAY/ROAD - RECONST WITH CHANGE IN USE OR WIDTH OF LANE
MISCELLANEOUS - EXEMPT PROJECTS

Project Work Types After Revision: MISCELLANEOUS - EXEMPT PROJECTS

Financial Data Before Revision

Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
I-M	CONSTRUCTION	MYB	13700	12330	1-77065-0200
I-M	ENGINEERING	MYB	1300	1170	1-77065-0201
I-M	ENGINEERING-I	MYB	10000	9000	1-77065-0202
I-M	CONSTRUCTION	14	44170	39753	1-77065-2000

Financial Data After Revision

Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
I-M	CONSTRUCTION	MYB	13700	12330	1-77065-0200
I-M	ENGINEERING	MYB	1300	1170	1-77065-0201
I-M	ENGINEERING-I	MYB	10000	9000	1-77065-0202

Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change
02-12-0020 North Shore Council of Mayors	Scope Changed	\$0	\$640	\$ 640	

Before Revision: FAU 2798 Central Avenue FROM FAU 1353 Pratt Avenue (COOK/Lincolnwood) Intersection is on the border of Lincolnwood, Skokie and Chicago

After Revision: FAU 2798 Central Avenue FROM FAU 1353 Pratt Avenue (COOK/Lincolnwood) TO Sauganash Road (COOK/Lincolnwood) Intersection borders Lincolnwood, Skokie a

Completion Year Before Revision: Unspecified

Completion Year After Revision: 2014

Project Work Types Before Revision: HIGHWAY/ROAD - INTERSECTION IMPROVEMENT

Project Work Types After Revision: HIGHWAY/ROAD - ADD LANES
HIGHWAY/ROAD - INTERSECTION IMPROVEMENT

Financial Data Before Revision

Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
STP-L	ENGINEERING-II	MYB	70	56	
STP-L	CONSTRUCTION	MYB	930	744	Includes Construction Engineering

Financial Data After Revision

Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
STP-L	ENGINEERING-II	13	60	48	
STP-L	CONSTRUCTION	13	740	592	Includes Construction Engineering
MFT-LOC	ENGINEERING-I	12	13	0	

Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change
03-09-0082 IDOT District 1 Division of Highways	Phases Changed	\$0	\$13200	\$ 13200	

BARRINGTON RD FROM I- 90 AT JANE ADDAMS MEMORIAL TOLLWAY (COOK/Hoffman Estates)

Completion Year Before Revision: Unspecified

Completion Year After Revision: 2016

Project Work Types Before Revision: INTERCHANGE - EXPAND (NEW MOVEMENTS ADDED TO INTERCHANGE)

Project Work Types After Revision: INTERCHANGE - EXPAND (NEW MOVEMENTS ADDED TO INTERCHANGE)

Financial Data Before Revision

Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
ILL	CONSTRUCTION	MYB	16500		1778530000
ILL	ENGINEERING-I	12	1500	0	
MFT-LOC	ENGINEERING-I	12	1500	0	Hoffman Estates funding

Financial Data After Revision

Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
NHS	CONSTRUCTION	14	16500	13200	1-77853-0000
ILL	ENGINEERING-I	12	1500	0	1-77853-0100 (ESTABLISHED)
MFT-LOC	ENGINEERING-I	12	1500	0	Hoffman Estates funding

Gray Financial Data Records are for informational purposes only and not included in the TIP.

This public notice of the revisions being made by CMAP's Transportation Improvement Program satisfies the Program of Projects requirement of Title 49, U.S. Code Section 5307 (c) (1) through (7)

CMAP, the Chicago Metropolitan Agency for Planning -- 233 South Wacker Drive, Suite 800, Chicago, IL 60606 312-454-0400 (voice), 312-454-0411 (fax)

Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change	
03-12-0034 Cook County Highway Department CH A62 Shoe Factory Road FROM Essex Drive (COOK/Hoffman Estates) TO Beverly Road (COOK/Hoffman Estates)	New Project		\$0			
Completion Year: 2016						
Project Work Types After Revision: HIGHWAY/ROAD - ADD LANES HIGHWAY/ROAD - RECONST WITH CHANGE IN USE OR WIDTH OF LANE SIGNALS - NEW SIGNALS FOR MULTIPLE INTERSECTIONS SAFETY - LIGHTING						
Financial Data After Revision	Fund Source MFT-ALL	Project Phase CONSTRUCTION	FFY 15	Total Cost 6200	Federal Cost	Segment
Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change	
04-10-0015 North Central Council of Mayors FAU 2407 Ruby Street FROM FAU 3535 Pacific Avenue (COOK/Franklin Park) TO FAU 3533 Franklin Avenue (COOK/Franklin Park)	Deleted Project		\$55			
Completion Year: 2012						
Project Work Types After Revision: SIGNALS - INTERCONNECTS AND TIMING						
Financial Data After Revision	Fund Source SEC125	Project Phase ENGINEERING-II	FFY 13	Total Cost 68	Federal Cost 55	Segment
Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change	
09-09-0028 IDOT District 3 Division of Highways	Location Changed	\$0	\$0	\$ 0		
Before Revision: US 34 Veterans Parkway FROM FAU 3791 Cannonball Trail (KENDALL/Yorkville) TO FAU 3797 Center Parkway (KENDALL/Yorkville) includes structure 047-0049						
After Revision: US 34 Veterans Parkway FROM Eldamain Road (KENDALL/Yorkville) TO FAU 3797 Center Parkway (KENDALL/Yorkville) includes structure 047-0049						
Completion Year Before Revision: 2017						
Completion Year After Revision: 2017						
Project Work Types Before Revision: HIGHWAY/ROAD - ADD LANES HIGHWAY/ROAD - RECONSTRUCT IN KIND HIGHWAY/ROAD - CURB AND GUTTER BRIDGE/STRUCTURE - RECONST/REHAB CHNG IN LANE USE/WIDTHS						
Project Work Types After Revision: HIGHWAY/ROAD - ADD LANES HIGHWAY/ROAD - RECONSTRUCT IN KIND HIGHWAY/ROAD - CURB AND GUTTER BRIDGE/STRUCTURE - RECONST/REHAB CHNG IN LANE USE/WIDTHS						
Financial Data Before Revision	Fund Source ILL	Project Phase ENGINEERING-II	FFY 12	Total Cost 750	Federal Cost	Segment
Financial Data After Revision	Fund Source ILL	Project Phase ENGINEERING-II	FFY 12	Total Cost 750	Federal Cost	Segment
Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change	
09-12-0033 Kane/Kendall Council of Mayors FAU 528 Bowes Road FROM Schneider Drive (KANE/South Elgin) TO IL 31 LaFox Road (KANE/South Elgin) Includes extensions of Schneider Dr & Gilpen Ave to	New Project		\$0			
Completion Year: 2015						
Project Work Types After Revision: HIGHWAY/ROAD - EXTEND ROAD SIGNALS - ADD SIGNALS AT SINGLE INTERSECTION New Bicycle Facility						
Financial Data After Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	GEN-OP	ENGINEERING-I	12	240	0	Awarded
	GEN-OP	ENGINEERING-II	13	402	0	
	GEN-OP	CONSTRUCTION	14	4020	0	
	GEN-OP	ENGINEERING	14	402	0	Construction Engineering

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Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change	
09-12-0033 Kane/Kendall Council of Mayors	New Project		\$0			
FAU 528 Bowes Road FROM Schneider Drive (KANE/South Elgin) TO IL 31 LaFox Road (KANE/South Elgin) Includes extensions of Schneider Dr & Gilpen Ave to						
Completion Year: 2015						
Project Work Types After Revision: HIGHWAY/ROAD - EXTEND ROAD SIGNALS - ADD SIGNALS AT SINGLE INTERSECTION New Bicycle Facility						
Financial Data After Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	GEN-OP	ENGINEERING-I	12	240	0	Awarded
	GEN-OP	ENGINEERING-II	13	402	0	
	GEN-OP	CONSTRUCTION	14	4020	0	
	GEN-OP	ENGINEERING	14	402	0	Construction Engineering

Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change	
10-08-0037 Lake County Department of Transportation	Scope Changed	\$0	\$0	\$ 0		
Before Revision: IL 120 FROM KNIGHT AVENUE (LAKE) TO IL 131 GREEN BAY ROAD (LAKE) CONSTRUCT NEW INTERCHANGE						
After Revision: IL 120 FROM KNIGHT AVENUE (LAKE) TO IL 131 GREEN BAY ROAD (LAKE)						
Completion Year Before Revision: 2020						
Completion Year After Revision: 2020						
Project Work Types Before Revision: HIGHWAY/ROAD - RECONST WITH CHANGE IN USE OR WIDTH OF LANE HIGHWAY/ROAD - CONTINUOUS BI-DIRECTIONAL TURN LANES INTERCHANGE - NEW						
Project Work Types After Revision: HIGHWAY/ROAD - CONTINUOUS BI-DIRECTIONAL TURN LANES						
Financial Data Before Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	CTEF	ENGINEERING-I	12	119	0	
	CTEF	ENGINEERING-II	14	104	0	
	CTEF	ROW ACQUISITION	14	112	0	
	CTEF	CONSTRUCTION	MYB	1491	0	
	CTEF	CONSTRUCTION	MYB	149	0	E3
Financial Data After Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	CTEF	ENGINEERING-I	12	119	0	
	CTEF	ENGINEERING-II	14	104	0	
	CTEF	ROW ACQUISITION	14	112	0	
	CTEF	CONSTRUCTION	MYB	1491	0	
	CTEF	CONSTRUCTION	MYB	149	0	E3

Project:	Action	Pre-Revision Federal Funds (000)	Post-Revision Federal Funds (000)	Change in Federal Funds (000)	Percentage Change	
12-06-0005 Will County Council of Mayors	Completion Year	\$0	\$0	\$ 0		
FAU 2755 CH 83 80TH AVENUE FROM 183RD ST (WILL) TO 191ST ST (WILL)						
Completion Year Before Revision: 2014						
Completion Year After Revision: 2017						
Project Work Types Before Revision: HIGHWAY/ROAD - RECONST WITH CHANGE IN USE OR WIDTH OF LANE HIGHWAY/ROAD - CONTINUOUS BI-DIRECTIONAL TURN LANES HIGHWAY/ROAD - ADD LANES						
Project Work Types After Revision: HIGHWAY/ROAD - RECONST WITH CHANGE IN USE OR WIDTH OF LANE HIGHWAY/ROAD - CONTINUOUS BI-DIRECTIONAL TURN LANES HIGHWAY/ROAD - ADD LANES						
Financial Data Before Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	STP-C	ROW ACQUISITION	MYB	500	333	
	STP-C	ENGINEERING-II	MYB	750	500	
	A STP-C	ENGINEERING-I	10	1219	500	
	STP-C	CONSTRUCTION	MYB	5500	2000	INCLUDES E3
Financial Data After Revision	Fund Source	Project Phase	FFY	Total Cost	Federal Cost	Segment
	STP-C	ROW ACQUISITION	MYB	500	333	
	STP-C	ENGINEERING-II	MYB	750	500	
	STP-C	ENGINEERING-I	11	1219	500	
	STP-C	CONSTRUCTION	MYB	5500	2000	INCLUDES E3

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