
Memorandum

DATE: December 1, 2008
TO: Interagency Air Quality Conformity Work Group
FROM: Jonathan Ehrlich
SUBJECT: Air Quality Conformity Analysis for 2009 TPP Modification

The analysis described in this memorandum has resulted in a Conformity finding that the addition of any one of the projects listed in Table 1 meet all relevant regional emissions analysis and budget tests as described herein. The *Transportation Policy Plan* conforms to the relevant sections of the Federal Conformity Rule and to the applicable sections of the Minnesota State Implementation Plan for air quality.

On November 25, 2008, the Interagency Air Quality Conformity Work Group, with representatives from the Metropolitan Council, Mn/DOT, MPCA, FHWA, and EPA, met and discussed proposed changes to the draft *2009 Transportation Policy Plan* in response to potential federal economic stimulus legislation targeting transportation infrastructure. With a decision to be made at a later date based on the size of stimulus legislation and other considerations, exactly one of eleven projects listed in Table 1 may be constructed. The committee directed council staff to analyze these eleven projects individually.

TABLE 1: POTENTIAL ADDITIONAL PROJECTS

1	I-35E: TH 110-TH 5
2	I-35W: 46th St to I-94
3	I-494: TH 55 to I-94
4	I-494: TH 77 to TH 100
5	I-694: I-35W to I-35E
6	I-694: I-35E to TH 36
7	TH 36: I-35W to I-35E
8	TH 100: 36th St. to Cedar Lake Rd
9	TH 252: 73rd Ave to TH 610
10	TH 610: CR 130 to I-94
11	TH 169: I-494 Interchange

Quantitative analysis of CO emissions resulting from the addition of each of the projects listed in Table 1 was prepared. Transportation and emissions forecasting procedures, consultation procedures, and other assumptions may be found in Appendix G of the Draft 2009 Transportation Policy Plan.

Each project was added to the baseline network and modeled for years 2015, 2020, and 2030. (No modeling was performed for 2009, as all of the modeled projects would be constructed after that date). The regional model highway assignment was run, and results were combined with Mobile 6.2 emissions rates to produce tons-per-day estimates of CO emissions for each scenario. While each scenario was

modeled separately and represents a single project, the modeling is based on county-wide average speeds and should not be seen as sufficient for project-level environmental analysis.

ESTIMATED FUTURE EMISSIONS IN THE TWIN CITIES CO MAINTENANCE AREA

The EPA, in response to a MPCA request, redesignated the Twin Cities seven-county Metropolitan Area and Wright County as a maintenance area for CO in October, 1999. A 1996 motor vehicle emissions budget (MVEB) was revised in January 2005 in a revision to the SIP. The SIP amendment revised the MVEB budget to a “not-to-exceed” threshold of 1,961 tons per day of CO emissions for the analysis milestone years of 2009, 2015, 2020, and 2030. The results of the emissions analysis are shown below.

TABLE 2: CO EMISSION BUDGET CONFORMITY TEST (Short Tons/day)

SCENARIO		2009	2015	2020	2030
TPP BASELINE	ACTION	1,408	1,210	1,161	1,199
	CO EMISSIONS BELOW MVEB		751	800	762
I-35E: TH 110-TH 5	ACTION		1,211	1,163	1,201
	CO EMISSIONS BELOW MVEB		750	798	760
I-35W: 46th St to I-94	ACTION		1,211	1,162	1,200
	CO EMISSIONS BELOW MVEB		750	799	761
I-494: TH 55 to I-94	ACTION		1,211	1,163	1,201
	CO EMISSIONS BELOW MVEB		750	798	760
I-494: TH 77 to TH 100	ACTION		1,211	1,163	1,200
	CO EMISSIONS BELOW MVEB		750	798	761
I-694: I-35W to I-35E	ACTION		1,211	1,163	1,201
	CO EMISSIONS BELOW MVEB		750	798	760
I-694: I-35E to TH 36	ACTION		1,211	1,164	1,201
	CO EMISSIONS BELOW MVEB		750	797	760
TH 36: I-35W to I-35E	ACTION		1,211	1,163	1,200
	CO EMISSIONS BELOW MVEB		750	798	761
TH 100: 36th St. to Cedar Lake Rd	ACTION		1,211	1,162	1,200
	CO EMISSIONS BELOW MVEB		750	799	761
TH 252: 73rd Ave to TH 610	ACTION		1,212	1,163	1,202
	CO EMISSIONS BELOW MVEB		749	798	759
TH 610: CR 130 to I-94	ACTION	1,212	1,163	1,202	
	CO EMISSIONS BELOW MVEB	749	798	759	
TH 169: I-494 Interchange	ACTION	1,210	1,161	1,199	
	CO EMISSIONS BELOW MVEB	751	800	762	

