

## Chapter V Transportation Conformity

### BACKGROUND

On April 15, 2004, the Environmental Protection Agency (EPA) designated nine North Central Texas counties as a nonattainment area under the Eight-Hour National Ambient Air Quality Standards (NAAQS) for ozone. This eight-hour ozone nonattainment area covered Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties. Based on the magnitude of ozone pollution in these nine counties, the nonattainment area was classified as a “Moderate” nonattainment area. As a result of not reaching attainment by June 2010, the DFW region was classified as serious nonattainment area by EPA in December 2010 (EPA–R06–OAR–2010–0412; FRL–9240–8) with a new attainment date of June 2013.

Due to the nonattainment status, a federal requirement known as “transportation conformity” is necessary to continue approval and implementation of projects and programs within the nonattainment area. Under this federal requirement, the North Central Texas Council of Governments (NCTCOG) is responsible for conducting transportation conformity for nine nonattainment counties. The current Regional Transportation Council’s (RTC) Metropolitan Planning Area (MPA) is all of Collin, Dallas, Denton, Ellis, Hood, Hunt, Johnson, Kaufman, Parker, Rockwall, Tarrant and Wise Counties. The current MPA boundary covers the eight-hour ozone nonattainment area; see Exhibit V-1 for a graphic representation of these boundaries.

Conformity determination is a two-step process in metropolitan areas. First, the RTC, as the MPO’s policy body, makes the initial transportation conformity determination at the local level. In the

second step, the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) make the final transportation conformity determination at the federal level. The conformity analysis does not measure ozone directly, but ozone’s precursors: volatile organic compounds (VOC) and oxides of nitrogen (NOx).

As part of the conformity analysis, a motor vehicle emission budget test (MVEB) is conducted. A MVEB test is conducted on EPA approved MVEBs, also known as “budgets.” Under the MVEB test, vehicle emissions for each analysis year must be less than the identified air quality budgets. The vehicle emission results documented in the 2011 Transportation Conformity document demonstrates that the North Central Texas ozone nonattainment area meets the regional air quality conformity requirements of the budget test.



These results also show RTC air quality initiatives for NOx and VOC for the 2012 analysis year. The magnitude of RTC initiatives demonstrates the importance of emission reduction strategies and the region’s commitment to reducing vehicle emissions,



which in turn leads to improving air quality, mobility, and quality of life in the region.

According to Section 93.108 of 40 CFR 93, transportation improvement programs must be fiscally constrained consistent with Department of Transportation metropolitan planning regulations contained in 23 CFR, Part 450 in order to be found to conform.

Section 93.109 of 40 CFR 93 outlines the criteria and procedures for determining conformity of transportation plans, programs, and projects. In order for TIPs to be found to conform, the MPO and Department of Transportation must demonstrate that the applicable criteria and procedures in this subpart are satisfied.

The results of the conformity determination demonstrate that the transportation improvement program meets the specific transportation conformity requirements of the CAAA (42 U.S.C. 7504, 7506(c) and (d)) and amendments,

the air quality plan (5 percent Increment of Progress plan), and the transportation conformity rule (40 CFR, Parts 51 and 93). This conformity determination was approved by the RTC on March 10, 2011 and was submitted to FHWA and FTA



review for a joint approval. For additional transportation conformity information, refer to the 2011 Transportation Conformity document.

## TRANSPORTATION CONTROL MEASURES

The Transportation Plan and TIP must provide for the timely implementation of transportation control measures (TCMs). Transportation control measures are projects, programs, policies, or plans that are specifically identified and committed to in the applicable implementation plan. A list of the types of Transportation Control Measures (TCMs) are listed in Section 108 of the Clean Air Act.

Section 93.113 of the conformity rule requires that the metropolitan planning organization verify that the transportation plan and transportation improvement program provide for the timely implementation of TCMs. Because the TIP identifies

direct funding sources for many of the TCMs in the implementation plan, a more rigorous examination of the TIP is necessary to satisfy the requirement for timely implementation of TCMs. First, an evaluation of the specific steps and funding sources needed to fully implement each TCM must indicate that TCMs are on, ahead, or behind the schedule established. The MPO and Departments of Transportation must determine that past obstacles to implementation of the TCMs have been identified and overcome. This process and the results are documented in 2011 Transportation Conformity, and the 2011-2014

