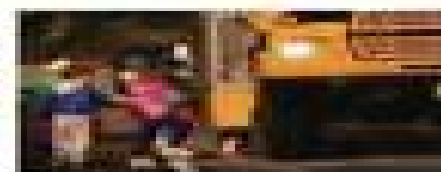
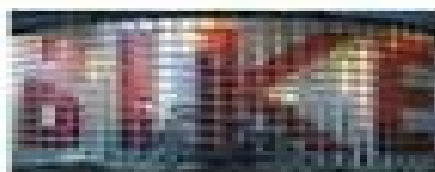


SAFETEA-LU 1808: CMAQ

Evaluation and Assessment



U.S. Department of Transportation
Federal Highway Administration

FHWA-HIEP-09-026

Safetea Lu 1808 Cmaq Evaluation And Assessment Phase I Final Report

**U.s. Department of Transportation
Federal Highway
Administration, Terrance
Regan, Elizabeth Murphy, Mary Beth
Hines**

Safetea Lu 1808 Cmaq Evaluation And Assessment Phase I Final Report:

Safetea-lu 1808 United States Department of Transportation,2015-01-06 The Congestion Mitigation and Air Quality Improvement CMAQ Program provides funds to States for transportation projects designed to improve air quality and reduce traffic congestion particularly in areas of the country that do not attain national air quality standards Created by the Intermodal Surface Transportation Efficiency Act ISTEA of 1991 the program was reauthorized under the Transportation Equity Act for the 21st Century TEA 21 in 1997 and again as part of the Safe Accountable Flexible Efficient Transportation Equity Act A Legacy for Users SAFETEA LU in 2005 Since 1991 the CMAQ Program has provided funding to over 16 000 projects and has been a key mechanism for supporting investments that help urban areas meet air quality goals encourage alternatives to driving alone and improve traffic flow In SAFETEA LU Section 1808 Congress required the U S Department of Transportation in consultation with the Environmental Protection Agency EPA to evaluate and assess the direct and indirect impacts of CMAQ funded projects on air quality and congestion levels This study responds to that request by analyzing 67 CMAQ funded projects using data supplied by States and metropolitan planning organizations MPOs in the Federal Highway Administration FHWA CMAQ database From this information the study team examined the estimated impacts of these projects on emissions of transportation related pollutants including carbon monoxide CO ozone precursors oxides of nitrogen NOx and volatile organic compounds VOCs and particulate matter PM10 and PM2.5 as well as on traffic congestion and mobility The study team also conducted additional analyses of the selected set of CMAQ funded projects to estimate their cost effectiveness at reducing emissions of each pollutant

SAFETEA-LU 1808 Michael Grant,2008 *Safetea-lu 1808* U.s. Department of Transportation,2015-01-05 In 1990 Congress amended the Clean Air Act CAA to strengthen National efforts to attain the National air quality standards Among other strengthening provisions the amendments required stronger coordination and linkages between transportation and air quality planning Shortly thereafter in 1991 Congress passed the Intermodal Surface Transportation Efficiency Act ISTEA which realigned the focus of transportation planning toward a more inclusive environmentally sensitive and multimodal approach This included the Congestion Mitigation and Air Quality CMAQ Improvement Program which was created to help fund transportation projects that reduce emissions CMAQ was reauthorized in the Transportation Equity Act for the 21st Century TEA 21 in 1998 and again in 2005 with the Safe Accountable Flexible Efficient Transportation Act A Legacy for Users SAFETEA LU In 2007 in consultation with the Federal Transit Administration FTA and the Environmental Protection Agency EPA the Federal Highway Administration FHWA began a two phased study as required by SAFETEA LU Section 1808 f Section 1808 f calls for an evaluation and assessment of the direct and indirect impacts of CMAQ funded projects on air quality and congestion levels to ensure the program s effective implementation The following report presents results from the second phase of that study and should be read in conjunction with SAFETEA LU 1808 CMAQ Evaluation and Assessment Phase I Final Report The primary objectives of the Phase II study were to Explore

practices and approaches to CMAQ project selection and implementation Provide information for use by local regional and State transportation agencies for the purpose of ensuring effective CMAQ implementation SAFETEA-LU 1808 Terrance Regan,2009 This report documents the second part of a two phased study of the CMAQ program Phase II of the CMAQ Evaluation and Assessment Study was designed to respond to Congress s direction to ensure the effective implementation of the program It was also designed to provide important information about CMAQ implementation to Metropolitan Planning Organizations MPOs and State Departments of Transportation DOTs which can use the information highlighted to assess and improve their programs Page 1 2 *Safetea-lu 1808* U.s. Department of Transportation Federal Highway Administration,Terrance Regan,Elizabeth Murphy,Mary Beth Hines,2009-07-31 In SAFETEA LU Section 1808 Congress required the U S Department of Transportation in consultation with the Environmental Protection Agency EPA to evaluate and assess the direct and indirect impacts of CMAQ funded projects on air quality and congestion levels to ensure the program s effective implementation Phase II of the CMAQ Evaluation and Assessment responds to that request by exploring different practices and approaches that select agencies Nationwide use in CMAQ project selection and implementation The study team conducted 1 day site interviews with Metropolitan Planning Organizations MPOs and State Departments of Transportation DOTs at seven locations around the country The Phase II Report highlights effective CMAQ implementation practices and identifies benefits challenges and opportunities encountered by the agencies interviewed as they program CMAQ funds from the information collected and analyzed during the site visit interviews **Climate Change 2014: Mitigation of Climate Change** Intergovernmental Panel on Climate Change,2015-01-26 This latest Fifth Assessment Report of the Intergovernmental Panel on Climate Change IPCC will again form the standard reference for all those concerned with climate change and its consequences including students researchers and policy makers in environmental science meteorology climatology biology ecology atmospheric chemistry and environmental policy Climate Change 2014: Mitigation of Climate Change Ottmar Edenhofer,2015-01-26 This latest Fifth Assessment Report of the IPCC will again form the standard reference for all those concerned with climate change and its consequences *CMAQ Analysis* ,1999

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