



STEVEN A. THOMPSON  
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

BRAD HENRY  
Governor

G PD

June 26, 2006

Richard Greene, Regional Administrator  
USEPA Region 6  
1445 Ross Avenue, Suite 1200  
Dallas, Texas 75202-2733

Dear Administrator Greene,

Please find enclosed the January 1 to June 30, 2006 progress report for the Central Oklahoma Early Action Compact (EAC) prepared by the Association of Central Oklahoma Governments (ACOG). The purpose of this report is to update accomplishments occurring since our December 2005 submittal including progress toward the goals contained in the Memorandum of Agreement between the Oklahoma Department of Environmental Quality (DEQ) and ACOG. This Memorandum outlines each organization's responsibilities for the scheduled completion of certain traffic improvement projects that will improve air quality as a control strategy for the Central Oklahoma EAC. Also included in this report is DEQ's update of recent ambient ozone data for central Oklahoma.

We are pleased that central Oklahoma continues to remain in compliance with the 8-hour ozone standard and deferral of nonattainment is not necessary. We do, however, remain committed to meeting EAC milestones. An electronic copy of this report is also enclosed on a CD.

If your agency has any questions, or needs additional information concerning this submittal, please contact Leon Ashford, of the Air Quality Division of the Department of Environmental Quality at 702-4100.

Sincerely,

Eddie Terrill, Director  
Air Quality Division  
DEQ

ET:LA:gg

Enclosures

c: Zach Taylor, ACOG

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*association of central oklahoma governments*

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Executive Director  
Zach D. Taylor

June 21, 2006

Mr. Eddie Terrill  
Director, Air Quality Division  
Oklahoma Department of Environmental Quality  
707 N. Robinson  
Oklahoma City, OK 73102

Dear Mr. Terrill:

We are pleased to provide the status of Central Oklahoma's emission reduction strategy for inclusion in the State of Oklahoma's Early Action Compact (EAC) semi-annual progress report to EPA. This document is being submitted to you to meet the June 30 milestone.

In 2004 ACOG, through a coordinated effort with your office, identified a local emission reduction strategy that will reduce transportation-related emissions by improving traffic flow and reducing congestion throughout the region. The strategy includes intersection improvements, traffic signal modifications, signal coordination efforts, intelligent transportation techniques and bicycle and pedestrian projects.

The final emission reduction strategy (completed projects and substitutions), submitted for the December 31, 2005 milestone, surpasses the original emission reductions documented in the 2004 Clean Air Action Plan (CAAP) for Central Oklahoma. The approved emission reduction calculations were 165.65 lbs/day VOC and 82.26 lbs/day NOx.

For the June 2006 milestone, the following two transportation system improvement projects from the original list have been completed since the December 2005 milestone:

- Signal Interconnect in Del City, OK on SE 29th St. from Bryant Ave. to Sooner Rd. implemented as two signal

modifications on SE 29th St. @ Bryant Ave. and SE 29th St. @ Sunnyslane completed in January 2006.

- Signal Modification in Moore, OK on SE 19th St @ Eastern Ave completed in June 2006.

Together these projects reduce emissions an additional 12.4 lbs/day VOC and 9.37 lbs/day NOx for a total reduction of 178.05 lbs/day VOC and 91.63 lbs/day NOx.

Mr. Eddie Terrill  
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June 21, 2006

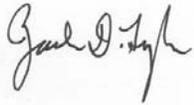
**EAC Emission Reduction Summary**

Local Strategy	Original CAAP (12/04) Emission Reductions (lbs/day)		CAAP with Substitutions (6/06) Emission Reductions (lbs/day)	
	VOC	NOx	VOC	NOx
Transportation Systems Management	119.97	78.47	142.42	91.63
Intelligent Transportation Systems	35.58	-	35.63	-
Total	155.55	78.47	<b>178.05</b>	<b>91.63</b>

ACOG remains committed to the principals of the EAC and we look forward to working with you to maintain Oklahoma's clean air attainment status. Programs such as Central Oklahoma Clean Cities and ACOG's Air Quality Public Awareness Campaign have been instrumental in maintaining the region's compliance with federal air quality standards.

If you have further questions or desire additional information, please contact me, or contact Douglas Rex, at 405-234-2264.

Sincerely,



Zach D. Taylor  
Executive Director

Enclosure

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, \$\$)	H. Additional Information
<b>9 Central Oklahoma</b>							
<b>Transportation System Improvements - intersection improvement, signal modification/interconnection, continuous left turn lanes</b>	This strategy will reduce transportation-related emissions by improving traffic flow and reducing congestion throughout the region. These actions, if successful, will have the desired effect of reducing energy consumption and vehicle emissions. Furthermore, TSM strategies can postpone, or even eliminate the need for capital-intensive measures aimed at increasing roadway capacity.	See individual project information below.	See individual project completion dates listed below.			See individual project information below.	VOC and NOx reductions (Columns E. and F. respectively) represent <b>total reductions</b> from original projects in the CAAP plus substitute projects. The total emission reductions meet or exceed original CAAP estimate.
Signal Modification	Signal Modification in Edmond, OK on 15th St @ Pine Oak	Complete	July 2004	2.10	1.63	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 15th St. @ Boulevard	Complete	July 2004	4.69	3.63	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 2nd St. @ Bauman Ave.	Complete	July 2004	3.89	3.02	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 2nd St. @ University Dr.	Complete	July 2004	6.11	4.74	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 2nd St. @ Wal-Mart entrance	Complete	July 2004	4.48	3.48	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 33rd St. @ Edmond Crossing	Complete	July 2004	2.81	2.18	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Boulevard	Complete	July 2004	3.78	2.93	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Chowning Ave.	Complete	July 2004	2.35	1.82	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Fretz Ave.	Complete	July 2004	2.69	2.09	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Edmond Rd. @ Santa Fe Ave.	Complete	July 2004	4.67	3.62	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Blackwelder	Complete	July 2004	1.90	1.48	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 15th St. @ Rankin	Complete	July 2004	2.64	2.05	Sufficient resources have been committed.	
Continuous Left Turn Lane	Continuous Left Turn Lane in Midwest City, OK on Douglas Ave. from SE 29th St. to SE 15th St.	Complete	November 2004	12.32	14.12	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Midwest City, OK on NE 10th St. @ Air Depot Blvd.	Complete	June 2004	4.31	1.73	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Midwest City, OK on NE 10th St. @ Midwest Blvd.	Complete	June 2004	4.28	1.70	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Moore, OK on SW 19th St. @ Santa Fe Ave.	Complete	December 2005	2.13	0.42	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Moore, OK on SE 19th St. @ Eagle Ln.	Complete	December 2005	1.64	1.10	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Robinson St. @ Northcliff	Complete	December 2005	2.00	0.37	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Robinson St. @ 48th Ave. NW	Complete	December 2005	1.95	0.35	Sufficient resources have been committed.	
Signal Modification	Signal Modification/Interconnect in Norman, OK on Gray St. from Flood Rd. to Porter Ave.	Complete	December 2005	1.36	1.05	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Norman, OK on Robinson St. @ Woods Ave.	Complete	January 2004	3.05	2.22	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Newcastle, OK on SH-130 @ US-62 constructed by the Oklahoma Department of Transportation	Complete	August 2004	1.42	0.19	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Oklahoma City, OK on Eastern Ave. @ SE 44th St.	Complete	April 2003	2.71	0.68	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Oklahoma City, OK on NW 150th @ Western Ave.	Complete	May 2005	2.16	0.44	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on SW Western @ SW 66th St.	Complete	November 2005	2.78	2.01	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on Council Rd. @ Riverbend Dr.	Complete	July 2004	2.32	1.68	Sufficient resources have been committed.	
Signal Interconnect - This project was originally submitted as a signal interconnect but is being implemented as separate signal modifications. Emission reductions are slightly higher than originally projected (VOC 9.13 and NOx 7.08) based on updated traffic volume numbers for the updated completion date.	Signal Interconnect in Del City, OK on SE 29th St. from Bryant Ave. to Sooner Rd. changed to two signal modifications on SE 29th St. @ Bryant Ave. and SE 29th St. @ Sunnyslane.	Complete	January 2006	9.86	7.65	Funds are being implemented as separate signal modifications as opposed to a signal interconnect. Sufficient resources have been committed.	
Signal Modification	Signal Modification in Moore, OK on SE 19th St @ Eastern Ave.	Complete	June 2006	2.54	1.72	Sufficient resources have been committed.	

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, \$\$)	H. Additional Information
			<b>Completed Total</b>	<b>98.94</b>	<b>70.10</b>		
<b>CAAP TSM Projects with Delayed Implementation Dates (not included in emission reductions)</b>							
Intersection Improvement - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Intersection Improvement in Oklahoma City, OK on Tulsa Ave. @ NW 50th St.	Design Phase	No expected date of completion and therefore has been substituted	4.74	2.09	Sufficient resources have been committed.	Project is in design phase.
Intersection Improvement - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Intersection Improvement in Oklahoma City, OK on Tulsa Ave. @ NW 10th St.	Design Phase	No expected date of completion and therefore has been substituted	3.67	1.25	Sufficient resources have been committed.	Project is in design phase.
Continuous Left Turn Lane - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Continuous Left Turn Lane in Oklahoma City, OK on Meridian Ave. from SW 29th St. to SW 15th St.	Design Phase	No expected date of completion and therefore has been substituted	5.02	2.34	Sufficient resources have been committed.	Project is in design phase.
Intersection Improvement - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Intersection Improvement in Norman, OK on Jenkins Ave. @ Imhoff Rd.	Design Phase	Expected completion of Fall 2006 and therefore has been substituted	2.42	0.54	Sufficient resources have been committed.	Project is in design phase.
Continuous Left Turn Lane - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Continuous Left Turn Lane in Warr Acres, OK on MacArthur Blvd. @ NW 50th St. to NW 63rd St.	Design Phase	No expected date of completion and therefore has been substituted	5.91	3.24	Sufficient resources have been committed.	Project is in design phase.
<b>Delayed Total</b>				<b>21.76</b>	<b>9.46</b>		
<b>CAAP Substitutions for Delayed TSM Projects</b>							
Intersection Improvement	Intersection Improvement in Norman, OK on Porter Ave. @ Rock Creek Rd.	Substitution, Complete	May 2003	3.17	0.93	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Robinson St. @ 24th Ave. NE	Substitution, Complete	December 2005	1.63	0.25	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on 24th Ave. NE @ Alameda	Substitution, Complete	January 2005	2.23	0.46	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Alameda @ Shiloh	Substitution, Complete	January 2005	3.09	0.89	Sufficient resources have been committed.	
Continuous Left Turn Lane	Continuous Left Turn Lane in Midwest City, OK on Air Depot from S 15th St. to S 29th St.	Substitution, Complete	July 2005	5.03	2.35	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Edmond, OK on Kelly Ave. @ 7th St.	Substitution, Complete	October 2005	3.44	1.10	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on SH-9 @ Berry Rd.	Substitution, Complete	July 2005	4.27	1.70	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Norman, OK on SH-9 @ Technology Place	Substitution, Complete	July 2005	2.40	1.86	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on N Pennsylvania Ave. @ NW 164th St.	Substitution, Complete	January 2005	2.83	2.06	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on N Grand Blvd. @ NW 36th St.	Substitution, Complete	September 2005	2.66	1.93	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on S Wester Ave. @ SW 66th St.	Substitution, Complete	November 2005	3.62	2.63	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on W. Reno Ave. @ Czech Hall Rd.	Substitution, Complete	June 2005	1.72	1.25	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on SW 15th @ Dell Dr.	Substitution, Complete	May 2005	2.22	1.61	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on N Western Ave. @ South of 63rd (6100 block)	Substitution, Complete	December 2005	2.61	1.90	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Oklahoma City, OK on NW 10th @ N Walker	Substitution, Complete	March 2005	2.56	0.61	Sufficient resources have been committed.	
<b>Substitute Total</b>				<b>43.48</b>	<b>21.53</b>		
<b>Total Difference</b>				<b>21.72</b>	<b>12.07</b>		Substitutes improve reduction emissions by 9.32 lbs. VOC and 2.7 lbs. NOx over the original projects submitted in 2004.
<b>Total Completed w/ Subs</b>				<b>142.42</b>	<b>91.63</b>		<b>Compare to 119.97 and 78.47 from 2004</b>

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, \$\$)	H. Additional Information
<b>Intelligent Transportation Systems Projects</b>	In Central Oklahoma, over 60 percent of the congestion is related to some form of incident. As a result, many of our ITS mitigation strategies have centered around incident management, such as the deployment of Dynamic Message Signs (DMS), closed circuit television (CCTV) and webcams. The philosophy behind this approach is to provide accurate, real time data to the motoring public so that they can make educated decisions on when and where to avoid traffic incidents.	See individual project information below.	See individual project completion dates listed below.			See individual project information below.	VOC and NOx reductions (Columns E. and F. respectively) represent <b>total reductions</b> from original projects in the CAAP plus substitute projects.
2 CCTV 3 Webcams	Installation of 2 CCTVs and 3 Webcams on I-44 @ I-240 by the Oklahoma Department of Transportation	Complete	January 2005	10.84	-23.85	Sufficient resources have been committed.	
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ SW 59th St. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ Airport Rd. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ SW 29th St. by the Oklahoma Department of Transportation	Complete	January 2005				
This ITS improvement has been removed due to it remaining in design phase. The emission reduction calculation for the improvement group remains the same because the same number of miles are impacted by the overall improvements in this I-44 segment.	Installation of 1 CCTV and 4 Webcams on I-44 @ SW 15th St. by the Oklahoma Department of Transportation	Design Phase	No expected date of completion				
2 CCTV 5 Webcams	Installation of 2 CCTVs and 5 Webcams on I-44 @ I-40 by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ NW 10th St. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ NW 23rd St. by the Oklahoma Department of Transportation	Complete	January 2005				
2 CCTV 4 Webcams	Installation of 2 CCTVs and 4 Webcams on I-44 @ SH-66 by the Oklahoma Department of Transportation	Complete	January 2005	2.71	-12.65	Sufficient resources have been committed.	
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on SH-74 @ SH-3 by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on SH-74 @ Grand Ave. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on SH-74 @ Britton Rd. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on SH-74 @ Hefner Rd. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on SH-74 @ 122nd St. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on SH-74 @ Memorial Rd. by the Oklahoma Department of Transportation	Complete	January 2005				

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, \$\$)	H. Additional Information
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-40 @ Meridian Ave. by the Oklahoma Department of Transportation	Complete	January 2005	9.84	-39.36	Sufficient resources have been committed.	
1 CCTV 6 Webcams	Installation of 1 CCTV and 6 Webcams on I-40 @ Gaylord by the Oklahoma Department of Transportation	Complete	February 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-40 @ I-235 by the Oklahoma Department of Transportation	Under Construction	September 2006				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ Byers St. by the Oklahoma Department of Transportation	Under Construction	September 2006				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-40 @ I-35 S by the Oklahoma Department of Transportation	Under Construction	September 2006				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on I-40 @ Reno Ave. by the Oklahoma Department of Transportation	Under Construction	September 2006				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ Scot St. by the Oklahoma Department of Transportation	Under Construction	September 2006				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ SE 29th St. by the Oklahoma Department of Transportation	Complete	December 2003				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ Air Depot Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on I-40 @ Lockheed Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
3 Webcams	Installation of 3 Webcams on I-40 @ H Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
1 Webcam	Installation of 1 Webcams on I-40 @ Industrial Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on I-40 @ Douglas Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
			<b>Completed Total</b>	<b>23.39</b>	<b>-75.86</b>		

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, \$\$)	H. Additional Information
<b>CAAP ITS Projects with Delayed Implementation Dates (not included in emission reductions)</b>							
This ITS improvement group is still in design phase and therefore has been removed from the list. The project listed at I-35 and I-240 has been completed and has been listed in the substitute list as part of a new improvement group. The overall number of substitute projects is greater but the total number of miles impacted is less.	Installation of 1 CCTV and 4 Webcams on I-35 @ Reno Ave. by the Oklahoma Department of Transportation	Design Phase	No expected date of completion and therefore has been substituted	12.19	-12.19	Sufficient resources have been committed.	Project group is in design phase.
	Installation of 1 CCTV and 4 Webcams on I-35 @ NW 4th St. by the Oklahoma Department of Transportation	Design Phase	No expected date of completion and therefore has been substituted				
	Installation of 1 CCTV and 4 Webcams on I-35 @ I-240 (S. 74th St.) by the Oklahoma Department of Transportation	Complete, See below for emission calculations	September 2005				
<b>CAAP Substitutions for Delayed ITS Projects</b>							
1 CCTV 4Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ I-240 (S. 74th St.) by the Oklahoma Department of Transportation	Complete	September 2005	6.84	-6.84	Sufficient resources have been committed.	
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 59th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
1 CCTV 4Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 89th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
1 CCTV 4Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 104th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
1 CCTV	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 119th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
Signal Modification	Signal Modification in Oklahoma City, OK on W. Reno Ave. @ Cemetary Rd.	Substitution, Complete	April 2005	1.56	1.14	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on MacArthur @ SW 44th St.	Substitution, Complete	November 2005	3.84	2.78	Sufficient resources have been committed.	
				<b>Substitute Total</b>	<b>12.24</b>	<b>-2.92</b>	
				<b>Total Difference</b>	<b>0.05</b>	<b>9.27</b>	Substitutes increase VOC reductions by .05 lbs. and reduce the increase in NOx by 9.27 lbs. over the original projects submitted in 2004.
				<b>Total Completed w/subs</b>	<b>35.63</b>	<b>-78.78</b>	<b>Compare to 35.58 and -88.05 from 2004</b>

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, \$\$)	H. Additional Information
<b>Bike/Pedestrian facilities</b>	There are 4 bicycle/pedestrian projects eligible in the OCARTS area. These projects create a total of 11 miles of new bike/pedestrian trails. Due to minimal trail mileage created there is a low percentage of mode shift from driving to walking or riding a bike, and the actual amount of emission reduction is too low to report. Individually, the main function of the four trail projects is recreational usage. However, each project is part of a local city's future master trail plan, and is comprised of several trails linked together. The linking of several trails help to reduce VMT by creating safer paths for alternate modes of transportation to work, school, and shopping. The master trail plans also serve to create a larger, more accessible recreational area for more citizens. Thus, promoting healthy lifestyles and a better quality of life.	See individual project information below.	See individual project completion dates listed below.	N/A	N/A	See individual project information below.	
Bike/Pedestrian Trail	Construction of Mitch Park Trail, a 4 mi. bike/pedestrian trail, from Santa Fe Ave. north of Covell Rd. to Kelly Ave. north of Covell Rd. in Edmond, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	Since 1996, the cities of Edmond, Norman, and Oklahoma City, have completed Trails Master Plans. These plans evaluate existing facilities and conditions, show corridors and areas where trails are needed or desired, describe design guidelines for bicycle and pedestrian facilities, list possible funding sources, and recommend an implementation plan for each city's trails. Consequently, the cities of Edmond, Norman, and Oklahoma City possess the majority of existing and planned mileage of bicycle facilities in the region. Additionally, many other cities throughout the region have demonstrated significant interest in trails by constructing trails in their communities with local, state, federal, and private funding. As of December 2003, there are nearly 84 miles of existing bicycle facilities in the region with an additional 46 miles committed to be constructed by the end of 2005.
Bike/Pedestrian Trail	Construction of the Lake Overholser East Trail, a 2.5 mi. bike/pedestrian trail, from NW 39th Expressway to NW 16th St. in Oklahoma City, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	
Bike/Pedestrian Trail	Construction of the Legacy Trail North, a 3 mi. bike/pedestrian trail, from Acres St. to 24th Ave. NW in Norman, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	
Bike/Pedestrian Trail	Reconstruction of the Hafer Park Trail, a 1.5 mi. bike/pedestrian trail, in Hafer Park in Edmond, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	
<b>Total Reductions</b>				<b>178.05</b>			Compare to 155.55 VOC from original

## Monitoring update for June 2006

<b>2006 OKLAHOMA CITY OZONE</b>								
<b>Highest 8 Hour Averages</b> through 6/18/06								
			1st	2nd	3rd	4th	03-05 Avg*	04-06 Avg*
03 4th	Site	05 4th	(date)	(date)	(date)	(date)	4th Highs	4th Highs
04 4th								
<b>Edmond</b>	(037)		<b>0.088</b>	<b>0.087</b>	<b>0.087</b>	0.081	0.079	0.078
0.082		0.077	18-May	9-Jun	15-Jun	4-Jun		
<b>OKC</b>	(033)		<b>0.087</b>	0.084	0.078	0.076	0.077	0.076
0.080		0.076	8-Jun	15-Jun	9-Jun	10-Apr		
<b>Moore</b>	(049)		0.084	0.081	0.080	0.077	0.074	0.074
0.076		0.070	15-Jun	6-Jun	6-Jun	10-Apr		
<b>Goldsby</b>	(073)		0.084	0.074	0.074	0.074	0.072	0.071
0.077		0.068	15-Jun	10-Apr	6-Jun	9-Jun		
<b>Choctaw</b>	(096)		0.084	0.080	0.080	0.079	0.075	0.075
0.078		0.072	15-Jun	10-Apr	18-May	8-Jun		
<b>Yukon</b>	(101)		<b>0.095</b>	<b>0.090</b>	0.077	0.077	0.076	0.075
0.078		0.071	8-Jun	15-Jun	10-Apr	21-Apr		

\*0.085 or greater indicates exceedance of National Ambient Air Quality Standards

Oklahoma City's ozone design value has improved from an 84ppb in 1999, our modeling base year, to 79ppb in 2005, the last full year of data available.

The exceedance days for Oklahoma City, Oklahoma are listed below.

Year	Number of days	sites
2005	3	6
2004	0	6
2003	2	6
2002	3	6
2001	2	6
2000	6	4
1999	6	4