

Air Quality Conformity Report for **Amendment #1A** to the OKI FY 2026-2029 TIP –
Reliance on Previous Regional Emissions Analysis: **June 2025**

This report documents that the [OKI FY 2026-2029 Transportation Improvement Program \(TIP\)](#), as amended, and the [OKI 2050 Regional Metropolitan Transportation Plan \(OKI MTP Update\)](#), as updated on June 13, 2024 (USDOT conformity approval date 7/19/24) are in conformance with the State Implementation Plans (SIPs) of Indiana, Kentucky and Ohio and complies with the Clean Air Act. The amended TIP, comprised of one Ohio non-exempt project, is relying on a previous regional emissions analysis per 40 CFR 93.122.

The region continues to be classified as a maintenance area for the 2008 and 2015 Ozone National Ambient Air Quality Standard (NAAQS). The 2008 ozone area includes the counties of Butler, Clermont, Clinton, Hamilton, and Warren in Ohio; a portion of the counties of Boone, Campbell, and Kenton in Kentucky; and a portion of Dearborn County Indiana. The 2015 ozone area includes the Ohio counties of Butler, Clermont, Hamilton, and Warren; and a portion of the Kentucky counties of Boone, Campbell, and Kenton. Maintenance areas must continue to demonstrate transportation conformity. Transportation conformity is a mechanism to ensure that federal funding and approval are given to those transportation activities that are consistent with air quality goals as contained in the State Implementation Plans (SIPs). OKI is responsible for the air quality conformity determination for the region's Transportation Plan and Transportation Improvement Program.

The amended *OKI FY 2026-2029 TIP* is a direct subset of the OKI 2050 MTP Update. The OKI 2050 Plan and TIP contain all projects which must be started in OKI's MTP Update and TIP's timeframes to achieve the highway and transit system envisioned by the OKI 2050 Plan. OKI is relying on previous regional emissions analyses to support the amended TIP. The previous regional emissions analysis was developed to support the OKI 2050 MTP Update and amended OKI FY2024-2027 TIP, adopted on June 13, 2024. The effective date of U.S. DOT approval occurred on July 19, 2024. The demonstration of conformity is utilizing approved and pending regional budgets for volatile organic compounds (VOC's) and oxides of nitrogen (NOx). VOC and NOx, along with oxygen, are the primary components of ozone. The 2015 ozone NAAQS budgets for the region are for the years 2026 and 2035. The 2008 ozone NAAQS budgets for the region are for the years 2026 and 2030.

Amendment 1A includes two non-exempt projects:

- PID 115417 is for construction of an additional lane ("Smart Lane") on I-275 in Hamilton and Clermont counties from US 42 to SR 28. The project includes installing dynamic message and variable speed limit signs, matching the Smart Lane being constructed with PID 94256. Detailed design funds have been identified to begin this project. The project is moving from the MTP to the TIP with no changes to timing or scope.
- PID 6-80217 in Kenton County continues the widening of KY 536 from KY 16 to KY 17. This project was originally included in PID 6-80203. The addition of this PID

provides clarification on the continuity of the KY 536 improvement from Williamswood/Calvary Drive to KY 177.

The results from the previous emission analysis are shown in the table below. The emissions of ozone precursors, VOC and NO_x, do not exceed the established VOC or NO_x budgets of the region.

Previous Regional Emissions Analysis - Quantitative Conformity Findings of Ozone-forming Emissions (tons per day) for the Indiana and Ohio Portion* of the 2008 Ozone NAAQS Maintenance Area

	<u>2026</u>	<u>2030</u>	<u>2040</u>	<u>2050</u>
Ohio/Indiana VOC Budget	30.00	18.22	18.22	18.22
Ohio/Indiana VOC Emissions	14.93	12.48	9.08	7.06
Ohio/Indiana NO _x Budget	30.79	16.22	16.22	16.22
Ohio/Indiana NO _x Emissions	20.68	14.25	7.39	6.00
<i>*Includes the Counties of Butler, Clinton, Clermont, Hamilton, and Warren in Ohio, and a portion of Dearborn County in Indiana.</i>				

Regional Emission Analysis of Ozone-forming Emissions (tons per day) for the Ohio* and Indiana Portion of the 2008 Ozone NAAQS Maintenance Area- using the pending MVEB's from the second 10-year maintenance plan**

	<u>2037</u>	<u>2040</u>	<u>2050</u>
Ohio/Indiana VOC Budget	11.01	11.01	11.01
Ohio/Indiana VOC Emissions	9.57	9.08	7.60
Ohio/Indiana NO _x Budget	9.32	9.32	9.32
Ohio/Indiana NO _x Emissions	8.10	7.39	6.00
<i>*Includes the Counties of Butler, Clermont, Clinton, Hamilton, and Warren in Ohio.</i>			
<i>**Includes Lawrenceburg Township, Dearborn County, Indiana.</i>			

Previous Regional Emissions Analysis - Quantitative Conformity Findings of Ozone-forming Emissions (tons per day) for the Ohio Portion* of the 2015 Ozone NAAQS Maintenance Area

	<u>2026</u>	<u>2035</u>	<u>2040</u>	<u>2050</u>
Ohio VOC Budget	14.15	10.58	10.58	10.58
Ohio VOC Emissions	14.08	9.81	8.55	7.15
Ohio NO _x Budget	25.30	18.98	18.98	18.98
Ohio NO _x Emissions	19.89	8.89	6.90	5.66
<i>*Includes the Counties of Butler, Clermont, Hamilton, and Warren in Ohio.</i>				

Previous Regional Emissions Analysis-Quantitative Conformity Findings of Ozone-forming Emissions (tons per day) for the Kentucky Portion of the Maintenance Area – 2008 Ozone Standards (partial counties)

	<u>2026</u>	<u>2030</u>	<u>2040</u>	<u>2050</u>
N. Kentucky VOC Budget	4.36	2.86	2.86	2.86
N. Kentucky VOC Emissions	2.93	2.45	1.83	1.63
N. Kentucky NO _x Budget	9.03	5.19	5.19	5.19
N. Kentucky NO _x Emissions	5.55	3.63	1.79	1.51
<i>*Includes portions of Boone, Campbell, and Kenton Counties in Kentucky.</i>				

Quantitative Conformity Findings of Ozone-forming Emissions (tons per day) for the Kentucky Portion of the Maintenance Area – 2008 Ozone Standards (partial counties) – using the proposed MVEB's for the upcoming second 10-year maintenance plan

	<u>2037</u>	<u>2040</u>	<u>2050</u>
N. Kentucky VOC Budget	2.19	2.19	2.19
N. Kentucky VOC Emissions	1.90	1.83	1.63
N. Kentucky NO _x Budget	2.29	2.29	2.29
N. Kentucky NO _x Emissions	1.99	1.79	1.51

Previous Regional Emissions Analysis—Quantitative Conformity Findings of Ozone-forming Emissions (tons per day) for the Kentucky Portion of the Maintenance Area – 2015 Ozone Standards (partial counties)

	<u>2026</u>	<u>2035</u>	<u>2040</u>	<u>2050</u>
N. Kentucky VOC Budget	2.94	2.25	2.25	2.25
N. Kentucky VOC Emissions	2.93	2.07	1.83	1.63
N. Kentucky NOx Budget	6.92	4.84	4.84	4.84
N. Kentucky NOx Emissions	5.55	2.34	1.79	1.51
<i>*Includes portions of Boone, Campbell, and Kenton Counties in Kentucky.</i>				

In addition to the above quantitative evaluation, OKI qualitatively finds that no goals, directives, recommendations, or projects identified in the amended *OKI FY 2026-2029 TIP* contradict in a negative manner with any specific requirements or commitments of the applicable state implementation plans. The applicable implementation plans do not contain any transportation control measures (TCM's), therefore nothing in the amended TIP can interfere with their timely implementation. The *OKI FY 2026-2029 TIP*, as amended, and the *OKI 2050 Metropolitan Transportation Plan* continue to meet all requirements regarding fiscal constraint. Details on the proposed actions can be found in the amendment resolution. In accordance with OKI's Public Participation Plan, the amendment resolution, project tables, and this conformity documentation, as well as instructions on how to provide public comments, was posted on OKI's website for a period of at least 14 days prior to the adoption by the OKI Board of Directors on June 12, 2025. OKI initiated interagency consultation (IAC) on May 28, 2025. The final document will include any IAC comments.