
**Transportation Conformity Determination Report for
the 1997 ozone NAAQS**

Triangle Region

Capital Area Metropolitan Planning Organization (CAMPO)

- *2050 Metropolitan Transportation Plan*
- *2020-2029 Transportation Improvement Program*

Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO)

- *2050 Metropolitan Transportation Plan*
- *2020-2029 Transportation Improvement Program*

Burlington-Graham Metropolitan Planning Organization (BG MPO)

- *2045 Metropolitan Transportation Plan*
- *2020-2029 Transportation Improvement Program*

NC DOT (for projects outside of MPO boundaries)

- *2020-2029 Transportation Improvement Program*

Adoption Dates: XXXX (DCHC MPO)
YYYY (CAMPO)
ZZZZ (BG MPO)

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Acknowledgements

This *Transportation Conformity Report* for the DCHC MPO 2050 Metropolitan Transportation Plan (MTP), the CAMPO 2050 MTP, the Burlington-Graham MPO 2045 MTP and the CAMPO, DCHC MPO, BG MPO and NCDOT 2020-2029 Transportation Improvement Programs (TIPs) was prepared by the Triangle J Council of Governments. Individuals from the following agencies contributed their efforts towards the completion of the Transportation Conformity Determination Report. They include:

- NC Capital Area Metropolitan Planning Organization
- Durham-Chapel Hill-Carrboro Metropolitan Planning Organization
- Burlington-Graham Metropolitan Planning Organization
- NC Department of Transportation
- NC Department of Environmental Quality, Division of Air Quality
- US Federal Highway Administration
- US Federal Transit Administration
- US Environmental Protection Agency

Executive Summary

As part of their transportation planning processes, the North Carolina Capital Area Metropolitan Planning Organization (CAMPO), the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO), the Burlington-Graham Metropolitan Planning Organization (BG MPO) and the North Carolina Department of Transportation (NCDOT) completed the transportation conformity process for the 2050 MTP (DCHC MPO and CAMPO), for the 2045 MTP (BG MPO) and for the 2020-2029 TIP (DCHC MPO, CAMPO, BG MPO and NCDOT). This report documents that the MTPs and 2020-2029 TIP meet the federal transportation conformity requirements in 40 CFR Part 93.

Clean Air Act (CAA) section 176(c) (42 U.S.C. 7506(c)) requires that federally funded or approved highway and transit activities are consistent with (“conform to”) the purpose of the State Implementation Plan (SIP). Conformity to the purpose of the SIP means that transportation activities will not cause or contribute to new air quality violations, worsen existing violations, or delay timely attainment of the relevant NAAQS or any interim milestones. 42 U.S.C. 7506(c)(1). U.S. EPA’s transportation conformity rules establish the criteria and procedures for determining whether metropolitan transportation plans, transportation improvement programs (TIPs), and federally supported highway and transit projects conform to the SIP. 40 CFR Parts 51.390 and 93.

On February 16, 2018, the United States Court of Appeals for the District of Columbia Circuit in *South Coast Air Quality Mgmt. District v. EPA* (“*South Coast II*,” 882 F.3d 1138) held that transportation conformity determinations must be made in areas that were either nonattainment or maintenance for the 1997 ozone national ambient air quality standard (NAAQS) and attainment for the 2008 ozone NAAQS when the 1997 ozone NAAQS was revoked. These conformity determinations are required in these areas after February 16, 2019. The Research Triangle Region was “maintenance” at the time of the 1997 ozone NAAQS revocation on April 6, 2015 and was also designated attainment for the 2008 ozone NAAQS on May 21, 2012. Therefore, per the *South Coast II* decision, this conformity determination is being made for the 1997 ozone NAAQS on the MTP and TIP.

This conformity determination was completed consistent with CAA requirements, existing associated regulations at 40 CFR Parts 51.390 and 93, and the *South Coast II* decision, according to EPA’s *Transportation Conformity Guidance for the South Coast II Court Decision* issued on November 29, 2018.

1.0 Background

1.1 Transportation Conformity Process

The concept of transportation conformity was introduced in the Clean Air Act (CAA) of 1977, which included a provision to ensure that transportation investments conform to a State implementation plan (SIP) for meeting the Federal air quality standards. Conformity requirements were made substantially more rigorous in the CAA Amendments of 1990. The transportation conformity regulations that detail implementation of the CAA requirements were first issued in November 1993, and have been amended several times. The regulations establish the criteria and procedures for transportation agencies to demonstrate that air pollutant emissions from metropolitan transportation plans, transportation improvement programs and projects are consistent with (“conform to”) the State’s air quality goals in the SIP. This document has been prepared for State and local officials who are involved in decision making on transportation investments.

Transportation conformity is required under CAA Section 176(c) to ensure that Federally-supported transportation activities are consistent with (“conform to”) the purpose of a State’s SIP. Transportation conformity establishes the framework for improving air quality to protect public health and the environment. Conformity to the purpose of the SIP means Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) funding and approvals are given to highway and transit activities that will not cause new air quality violations, worsen existing air quality violations, or delay timely attainment of the relevant air quality standard, or any interim milestone.

U. S. EPA originally declared Durham County, Wake County and Dutchville Township in Granville County non-attainment for ozone (O₃) under the 1-hour ozone standard and Durham County and Wake County non-attainment for Carbon Monoxide (CO) on November 15, 1990. Ozone, the primary component of smog, is a compound formed when volatile organic compounds (VOC) and oxides of nitrogen (NO_x) mix together in the atmosphere with sunlight. NO_x and VOC are referred to as ozone “precursors.” Durham County, Wake County and Dutchville Township were redesignated by U. S. EPA to attainment with a maintenance plan for ozone under the 1-hour standard on June 17, 1994 and Durham County and Wake County were redesignated by U. S. EPA to attainment with a maintenance plan for CO on September 18, 1995. The 20-year CO maintenance requirements for the Triangle expired in 2015.

In 1997, the NAAQS for ozone was reviewed and revised to reflect improved scientific understanding of the health impacts of this pollutant. When the standard was revised in 1997, an eight-hour ozone standard was established that was designed to replace the

one-hour standard. The U. S. EPA designated the entire Triangle area as a “basic” non-attainment area for ozone under the eight-hour standard with an effective date of June 15, 2004; the designation covered the following geographic areas:

- Durham County
- Wake County
- Orange County
- Johnston County
- Franklin County
- Granville County
- Person County
- Baldwin, Center, New Hope and Williams Townships in Chatham County

On December 26, 2007, the Triangle Area was redesignated as attainment with a maintenance plan for ozone under the eight-hour standard.

The U.S. Court of Appeals for the DC Circuit in the South Coast Air Quality Management District v EPA, No. 15-1115, issued a decision on February 16, 2018. In that decision, the Court struck down portions of the 2008 Ozone National Ambient Air Quality Standards (NAAQS) State Implementation Plan Requirements Rule which vacated the revocation of transportation conformity requirements for the 1997 8-hour Ozone NAAQS.

In November 2018, U. S. EPA issued Guidance for the South Coast v EPA Court Decision. U. S. EPA’s guidance states that transportation conformity for MTPs and TIPs for the 1997 ozone NAAQS can be demonstrated without a regional emissions analysis pursuant to 40 CFR 93.109(c). Transportation conformity for the 1997 ozone NAAQS would be required on MTP and TIP actions as of February 16, 2019.



2.0 Metropolitan Transportation Plans

The *Connect2050 Metropolitan Transportation Plan* is one part of CAMPO's and DCHC MPO's transportation planning process. The *Connect2050 Metropolitan Transportation Plan* (2050 MTP) was developed by DCHC MPO and CAMPO between 2020 and 2021. Federal law *40 CFR part 93.104(b)(3)* requires a conformity determination of transportation plans no less frequently than every four years. As required in *40 CFR 93.106*, the analysis years for the transportation plans are no more than ten years apart. The 2050 MTP incorporates the 2020-2029 TIP, which received a conformity determination in 2020. The BG MPO *Getting There 2045 MTP* was adopted on June 16, 2020 and also incorporates the 2020-29 STIP.

The Transportation Plan used the latest adopted planning assumptions as discussed in *40 CFR 93.110*, and were adopted as part of the Plan. Four components combine to represent planning assumptions and translate them into travel:

- a. A single travel demand model was developed for the urbanized portion of the Triangle maintenance area, including all of the DCHC MPO and CAMPO areas and the portion of the Burlington-Graham MPO within Orange County.
- b. A single set of population, housing and employment projections was developed and adopted by the MPOs, using GIS-based growth allocation.
- c. A set of highway and transit projects that was consistent across jurisdiction boundaries was developed and refined through partner cooperation.
- d. Forecasts of travel entering and leaving the modeled area were updated to reflect the most recent traffic count data.

This collection of socioeconomic data, highway and transit networks and travel forecast tools and methods, representing the latest planning assumptions, was finalized through the adoption of the Metropolitan Transportation Plan. Additional detail on planning assumptions is available in the MTP documents, which are available from DCHC MPO, CAMPO and the Triangle J Council of Governments.

The Transportation Plan is fiscally constrained as discussed in *40 CFR 93.108*. The Plan is fiscally constrained to the year 2050 for CAMPO and DCHC MPO and to the year 2045 for BG MPO. The estimates of reasonably available funds are based on historic funding availability, methods used in the NCDOT Strategic Transportation Investments legislation and policy, NC First Commission data and recommendations, county transit sales tax and vehicle fee revenues, and include federal, state, private, and local funding sources. Additional detail on fiscal constraint is included in the MPO transportation plan.

This conformity determination is for the CAMPO and DCHC MPO 2050 MTP and the BG MPO 2045 MTP, along with the 2020-29 TIP conforming subset. Projects are listed in Appendix A.

3.0 2020-2029 Transportation Improvement Program (TIP)

The 2020-2029 TIP is one part of an MPO's transportation planning process. The planning process includes the development of a Metropolitan Transportation Plan (MTP). The MPO adopts the long-range transportation plan. As projects in these long-range plans advance to implementation, they are programmed in the TIP for study, design, right-of-way acquisition and construction, provided they attain environmental permits and other necessary clearances.

The purpose of the TIP is to set forth an MPO's near-term program for transportation projects. The TIP is prepared according to an MPO's procedures. An MPO Committee works with the State DOT and the appropriate transit operators in developing a draft TIP. Following public and agency review, the TIP is typically approved by the State DOT (as part of the STIP), and the MPO. The TIP is forwarded to the State DOT, then on to federal funding agencies – the Federal Highway Administration, and the Federal Transit Administration.

This conformity determination incorporates the current 2020-2029 TIP. Projects in each MPO TIP and the NCDOT STIP are available on each MPO's web site and from the NCDOT.

4.0 Transportation Conformity Determination: General Process

Per the court's decision in *South Coast II*, beginning February 16, 2019, a transportation conformity determination for the 1997 ozone NAAQS will be needed in 1997 ozone NAAQS nonattainment and maintenance areas identified by EPA¹ for certain transportation activities, including updated or amended metropolitan MTPs and TIPs. Once U.S. DOT makes its 1997 ozone NAAQS conformity determination for the MTP and 2020-2029 TIP, conformity will be required no less frequently than every four years. This conformity determination report will address transportation conformity for the CAMPO and DCHC 2050 MTP, the BGMPO 2045 MTP and the 2020-2029 TIP for DCHC MPO, CAMPO, BG MPO and NCDOT in the portion of the Triangle maintenance area outside of the MPO boundaries.

¹ The areas identified can be found in EPA's "Transportation Conformity Guidance for the South Coast II Court Decision, EPA-420-B-18-050, available on the web at: www.epa.gov/state-and-local-transportation/policy-and-technical-guidance-state-and-local-transportation .

50 Transportation Conformity Requirements

51 Overview

On November 29, 2018, EPA issued **Transportation Conformity Guidance for the South Coast II Court Decision**² (EPA-420-B-18-050, November 2018) that addresses how transportation conformity determinations can be made in areas that were nonattainment or maintenance for the 1997 ozone NAAQS when the 1997 ozone NAAQS was revoked, but were designated attainment for the 2008 ozone NAAQS in EPA's original designations for this NAAQS (May 21, 2012).

The transportation conformity regulation at 40 CFR 93.109 sets forth the criteria and procedures for determining conformity. The conformity criteria for MTPs and TIPs include: latest planning assumptions (93.110), latest emissions model (93.111), consultation (93.112), transportation control measures (93.113(b) and (c), emissions budget and/or interim emissions (93.118 and/or 93.119). For the 1997 ozone NAAQS areas, transportation conformity for MTPs and TIPs for the 1997 ozone NAAQS can be demonstrated without a regional emissions analysis, per 40 CFR 93.109(c). This provision states that the regional emissions analysis requirement applies one year after the effective date of EPA's nonattainment designation for a NAAQS and until the effective date of revocation of such NAAQS for an area. The 1997 ozone NAAQS revocation was effective on April 6, 2015, and the *South Coast II* court upheld the revocation. As no regional emission analysis is required for this conformity determination, there is no requirement to use the latest emissions model, or budget or interim emissions tests.

Therefore, transportation conformity for the 1997 ozone NAAQS for the DCHC MPO 2045 MTP Amendment and 2020-2029 TIP for DCHC MPO, CAMPO, BG MPO and NCDOT for the portion of the maintenance area outside of MPO boundaries can be demonstrated by showing the remaining requirements in Table 1 in 40 CFR 93.109 have been met. These requirements, which are laid out in Section 2.4 of EPA's guidance and addressed below, include:

- Latest planning assumptions (93.110)
- Consultation (93.112)
- Transportation Control Measures (93.113)
- Fiscal constraint (93.108)

² Available from <https://www.epa.gov/sites/production/files/2018-11/documents/420b18050.pdf>

52 Latest Planning Assumptions

The use of latest planning assumptions in 40 CFR 93.110 of the conformity rule generally apply to regional emissions analysis. In the 1997 ozone NAAQS areas, the use of latest planning assumptions requirement applies to assumptions about transportation control measures (TCMs) in an approved SIP.

The North Carolina SIP does not include any TCMs, see also Section 5.4.

53 Consultation Requirements

The consultation requirements in 40 CFR 93.112 were addressed both for interagency consultation and public consultation.

Interagency consultation was conducted with DCHC MPO, CAMPO, BG MPO, NC DOT, NC DAQ, FHWA, FTA, and EPA. Interagency consultation was conducted consistent with the North Carolina Conformity SIP.

Public consultation was conducted consistent with planning rule requirements in 23 CFR 450, and in conformance with CAMPO's, DCHC MPO's, and BG MPO's adopted Public Involvement Policies. Public comment periods varied for each participating MPO, typically ending on the date of the public hearing. The dates of the public hearings for each MPO were:

XXXX (DCHC MPO)
 YYYY (CAMPO)
 ZZZZ (BG MPO)

Public comments and Agency comments, and responses to these comments, are contained in Appendix E.

54 Timely Implementation of TCMs

The North Carolina SIP does not include any TCMs.

55 Fiscal Constraint

Transportation conformity requirements in 40 CFR 93.108 state that transportation plans and TIPs must be fiscally constrained consistent with DOT's metropolitan planning regulations at 23 CFR part 450. The MTP and 2020-2029 TIP are fiscally constrained, as demonstrated in Chapter 8 of the *Connect2050* MTP for DCHC and CAMPO and in Chapter 5 of the *Getting There 2045* MTP for BG MPO.

Conclusion

The conformity determination process completed for the 2050 CAMPO and DCHC MPO MTP, the 2045 BG MPO and the 2020-2029 TIP for DCHC MPO, BG MPO, CAMPO and NCDOT demonstrates that these planning documents meet the Clean Air Act and Transportation Conformity rule requirements for the 1997 ozone NAAQS.

DCHC MPO -- 2050 MTP Highway Projects

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Appendix A

MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI Tier	Reg. Sig.	Exempt	TIP#
2030 Horizon Year												
700	Cornwallis Rd/Miami Blvd/NCRR bridge and interchange	Miami Blvd	Cornwallis Rd north of NC 98 in Durham	N/A	N/A	New Interchange	N/A	\$ 27,478,000	Reg	No	Yes	P-5717
15	East End Connector (EEC)	NC 147		0	4	New Location	3.2	\$ -	St	Yes	No	U-0071
23	Fayetteville Rd	Barbee Rd	Cornwallis Rd	2	4	Widening	1.0	\$ -	Div	Yes	No	N/A
701	Glover Rd/ rail bridge	Glover Rd	NCRR rail line	N/A	N/A	Grade separation	N/A	\$ 47,428,000	Div	No	Yes	P-5706
407	Lynn Rd/Pleasant Dr Connector	Lynn Rd	Pleasant Dr	0	2	New Location	0.6	\$ -	Div	No	No	N/A
75.2	NC 55 (Alston Ave)	Main St	NC 98	2	2	Modernization	0.5	\$ -	Reg	No	No	U-3308
75.1	NC 55 (Alston Ave)	NC 147	Main St	2	4	Widening	0.4	\$ -	Reg	No	No	U-3308
77.3	NC 751	Renaissance Pkwy	O'Kelly Chapel Rd	2	4	Widening	2.7	\$ 30,375,800	Reg	No	No	N/A
43	I-40	Durham County line	NC 86	4	6	Widening	3.9	\$ 85,617,000	St	Yes	No	I-3306A
44	I-40	NC 86	I-85	4	6	Widening	7.8	\$ 133,914,000	St	Yes	No	I-3306A
123.11	Woodcroft Pkwy Ext	Garrett Rd	Hope Valley Rd	0	2	New Location	0.0	\$ 3,793,000	Div	No	No	U-5823
201	Falconbridge Rd Extension	Farrington Rd	NC 54	0	4	New Location	0.9	\$ 23,359,000	Div	No	No	N/A
379	Freeland Memorial Extension	S Churton St	New Collector Rd	0	2	New Location	0.5	\$ 4,484,200	Div	No	No	N/A
202	Hopson Rd	Davis Dr	S Miami Blvd (NC 54)	2	4	Widening	0.7	\$ 7,280,000	Div	No	No	N/A
223	Legion Rd Ext	Legion Rd	Fordham Blvd	0	2	New Location	0.1	\$ 2,100,000	Div	No	No	N/A
437	New Collector Rd	Orange Grove Rd Ext	Becketts Ridge Rd	0	2	New Location	0.8	\$ 10,124,800	Div	No	No	N/A
220	Purefoy Rd Ext	Sandberg Ln	Weaver Dairy Rd	0	2	New Location	0.6	\$ 5,287,800	Div	No	No	N/A
221	S Elliot Rd Ext	Fordham Blvd	Ephesus Church Rd	0	2	New Location	0.3	\$ 5,922,000	Div	No	No	N/A
113.0	US 15-501/Garrett Rd Interchange	US 15-501	Garrett Rd	N/A	N/A	New Interchange	N/A	\$ 32,000,000	St	Yes	No	U-5717
690	US 70/Northern Durham Parkway	US 70	Northern Durham Parkway	N/A	N/A	New Interchange	N/A	\$ -	St	Yes	No	U-5518
2040 Horizon Year												
346	Danziger Dr Extension	Mt Moriah Rd	E Lakewood Dr	0	2	New Location	0.4	\$ 7,177,800	Div	No	No	N/A
124	Duke St	I-85	W Lakewood Av	2	2	Two-way conversion	0.0	\$ 4,435,000	Reg	No	No	N/A
23.2	Fayetteville Rd	Woodcroft Pkwy	Barbee Rd	2	2	Modernization	1.4	\$ 10,495,190	Div	Yes	No	U-6021
111	Fordham Blvd (US 15-501)	I-40	Ephesus Ch Rd	4	4	Modernization	1.6	\$ 46,586,400	St	Yes	No	U-5304F
240	Fordham Blvd (US 15-501)	NC 54	Ephesus Ch Rd	4	4	Modernization	2.1	\$ 49,481,600	St	Yes	No	U-5304D
73	Fordham Blvd (US 15-501)	NC 54	NC 86 (S Columbia St)	4	4	Modernization	2.3	\$ 39,600,000	St	Yes	No	U-5304B
36	Homestead Rd	Old NC 86	Rogers Rd	2	2	Modernization	2.1	\$ 14,327,600	Div	No	No	N/A
35	Homestead Rd	Rogers Rd	NC 86	2	2	Modernization	1.3	\$ 9,597,000	Div	No	No	N/A
636	I-40/NC 54 Interchange	I-40	NC 54	N/A	N/A	Interchange Upgrade	N/A	\$ 130,620,000	St	Yes	No	U-5774F
45.1	I-40 Managed Roadway	Wake County Line	NC 54	8	8	Modernization	9.8	\$ 34,000,000	St	Yes	No	I-6006

DCHC MPO -- 2050 MTP Highway Projects

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MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI Tier	Reg. Sig.	Exempt	TIP#
48	I-85	Orange Grove Rd	Sparger Rd	4	6	Widening	7.8	\$ 186,760,000	St	Yes	No	I-0305
650	I-85/S Churton St	I-85	S Churton St	N/A	N/A	Interchange Upgrade	N/A	\$ 28,980,000	St	No	No	I-5967
646	I-85/NC 86	I-85	NC 86	N/A	N/A	Interchange Upgrade	N/A	\$ 35,140,000	St	No	No	I-5984
50.11	Jack Bennet Rd/Lystra Rd	US 15-501 South	Farrington Mill/Point Rd	2	2	Modernization	4.1	\$ 28,793,800	Div	No	No	N/A
51	Lake Hogan Farms Rd	Eubanks Rd	Legends Way	0	2	New Location	0.7	\$ 6,169,800	Div	No	No	N/A
121	Mangum St	W Lakewood Av	N Roxboro St	2	2	Two-way conversion	0.0	\$ 2,870,000	Reg	Yes	No	N/A
410	Marriott Way	Friday Center Dr	Barbree Chapel Rd	0	2	New Location	0.2	\$ 954,800	Div	No	No	N/A
123	N Gregson St/Vickers Av	W Club Blvd	University Dr	2	2	Two-way conversion	0.0	\$ 4,435,000	Reg	No	No	N/A
64	NC 147 (possible boulevard conversion)	Swift Av	East End Connector	4	6	Modernization	3.0	\$ 69,896,559	St	No	No	N/A
	NC 147 (modernization)	Future I-885	I-40	4	4	Modernization	3.9	\$ 58,473,199	St	Yes	No	N/A
69.41	NC 54	Barbee	NC 55	2	2	Modernization	1.3	\$ 9,745,533	Reg	No	No	U-5774J
69.31	NC 54	Fayetteville	Barbee	2	2	Modernization	1.0	\$ 7,496,564	Reg	No	No	U-5774I
70.3	NC 54	Fordham Blvd (US 15-501)	Barbee Chapel Rd	6	6	Modernization	1.2	\$ 59,234,000	Reg	Yes	No	U-5774B
69.21	NC 54	Highgate Dr	Fayetteville Rd	4	4	Modernization	0.4	\$ 2,998,626	Reg	No	No	U-5774H
69.11	NC 54	I-40 Interchange	NC 751	2	2	Modernization	1.2	\$ 8,995,877	Reg	No	No	U-5774G
69.22	NC 54	NC 751	Highgate Dr	2	2	Modernization	1.5	\$ 11,244,846	Reg	No	No	U-5774H
428	NC 54	Old Fayetteville Rd	Orange Grove Road	2	2	Modernization	2.9	\$ 50,040,000	Reg	Yes	No	R-5821A
70	NC 54	I-40	Barbee Chapel Rd	4	4	Modernization	1.6	\$ 11,994,502	Reg	Yes	No	U-5774C
70.2	NC 54/Farrington Rd	NC 54	Farrington Rd	N/A	N/A	New Grade Separation	N/A	\$ -	Reg	Yes	No	U-5774E
75.3	NC 55 (Alston Ave)	Main St	NC 98	2	4	Modernization	0.6	\$ 1,400	Reg	No	No	N/A
440	New Hope Commons Dr Extension	Eastowne Dr	New Hope Commons Dr	0	2	New Location	0.4	\$ 6,423,200	Div	No	No	N/A
89.3	Orange Grove Connector	Orange Grove Rd	NC 86	0	2	New Location	0.4	\$ 7,418,600	Div	No	No	N/A
122	Roxboro St	W Lakewood Av	W Markham Av	2	2	Two-way conversion	0.0	\$ 2,870,000	Reg	Yes	No	N/A
87	S Churton St	Eno River in Hillsborough	I-40	2	4	Widening	2.2	\$ 79,178,000	Div	No	No	U-5845
230	Southwest Durham Dr	NC 54	I-40	0	2	New Location	2.0	\$ 17,362,800	Div	No	No	N/A
479	US 15-501	Smith Level Rd	US 64	4	4	Synchronized Street	10.5	\$ 117,700,000	St	Yes	No	U-6192
113.1	US 15-501 (possible boulevard conversion)	US 15-501 Bypass	I-40	6	6	Modernization	2.0	\$ 46,597,706	St	Yes	No	U-6067
130	US 15-501 Business (modernization)	US 15-501 Bypass	Chapel Hill Rd	4	4	Modernization	1.6	\$ 11,994,502	Reg	No	No	N/A
131	US 15-501 Business (modernization)	Chapel Hill Rd	University Dr	2	2	Modernization	0.8	\$ 5,997,251	Reg	No	No	N/A
485.1	US 70	Lynn Rd	S Miami Blvd	4	4	Modernization	1.6	\$ 37,278,165	St	Yes	No	U-5720A
116.1	US 70	S Miami Blvd	MPO Boundary	4	4	Modernization	2.5	\$ 58,247,133	St	Yes	No	U-5720B

DCHC MPO -- 2050 MTP Highway Projects

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MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type	Length (miles)	Estimated Cost	STI Tier	Reg. Sig.	Exempt	TIP#
120	W Morgan/W Ramseur/	N Roxboro St	W Main St	4	4	Two-way conversation	0.0	\$ 16,500,000	Div	No	No	N/A
2050 Horizon Year												
304.1	Angier Av Ext	US 70	Northern Durham Pkwy	0	2	New Location	0.8	\$ 7,050,100	Div	No	No	N/A
343	Crown Pkwy/Roche Dr	Page Rd	T.W. Alexander Dr	0	2	New Location	2.7	\$ 15,457,400	Div	No	No	N/A
364	Eno Mountain Rd realignment	Mayo St	Eno Mountain Rd	2	2	New Location	0.3	\$ 5,800,000	Div	No	Yes	N/A
28.11	Glover Rd	Angier	US 70	0	2	New Location	0.6	\$ 5,199,600	Div	No	No	N/A
382	Hebron Rd Extension	Hebron Rd	Roxboro Rd (501 N)	0	2	New Location	0.5	\$ 5,056,800	Div	No	No	N/A
434	Holloway St (NC 98)	Miami Blvd	Nichols Farm Dr	4	4	Modernization	3.3	\$ 85,800,000	Reg	No	No	N/A
77.11	Hope Valley Rd (NC 751)	NC 54	Woodcroft Pkwy	4	4	Modernization	0.4	\$ 2,998,626	Reg	No	No	N/A
53	Leesville Rd Ext	US 70/Page Rd Ext	Leesville Rd	0	2	New Location	0.4	\$ 3,701,600	Div	No	No	N/A
57	Lynn Rd Extension	US 70	Existing Lynn Rd	0	2	New Location	1.1	\$ 9,606,800	Div	No	No	N/A
242	Mt Carmel Ch Rd	US 15-501	Bennett Rd	2	2	Modernization	0.4	\$ 2,795,800	Div	No	No	N/A
14.1	N Duke St (501 N)	I-85	N Roxboro split	5	4	Modernization	2.5	\$ 18,590,600	Reg	Yes	No	N/A
80	NC 86	Old NC 10	US 70 Business	2	4	Widening	0.9	\$ 10,162,600	Reg	No	No	N/A
81	NC 86 (and US 70 intersection)	US 70 Bypass	North of NC 57	2	4	Widening	0.3	\$ 21,300,000	Reg	No	No	N/A
83.1	Northern Durham Pkwy	Sherron Rd	NC 98	2	2	Modernization	4.3	\$ 19,040,000	Div	No	No	N/A
83.11	Northern Durham Pkwy	US 70 E	Sherron Rd	2	2	Modernization	2.7	\$ 32,900,000	Div	No	No	N/A
502	Patriot Dr Extension	S Miami Blvd	Page Rd	0	2	New Location	1.9	\$ 18,320,400	Div	No	No	N/A
92	Roxboro Rd (501 N)	Duke St	Goodwin Rd	4	4	Modernization	2.7	\$ 20,403,600	Reg	Yes	No	N/A
106.1	Southwest Durham Dr	US 15-501 Business	Mt Moriah Rd	0	4	New Location	0.4	\$ 5,133,800	Div	No	No	N/A
114	US 15-501 Bypass (modernization)	MLK Parkway	Cameron Blvd	4	6	Modernization	2.7	\$ 40,481,445	St	Yes	No	N/A
501	Yates Store Rd Extension	Yates Store Rd	Wake Rd	0	2	New Location	1.4	\$ 16,126,600	Div	No	No	N/A

DCHC MPO -- Major Transit Capital Projects

Appendix A

Project Title	Status	Programming Description	MTP Horizon Year and TIP #	MPO
Commuter Rail Transit (CRT)	Regionally Significant	CRT using the existing North Carolina Rail Company (NCRR) corridor. West Durham to Clayton by 2040, then extended to Hillsborough and Selma by 2050.	West Durham to Clayton, 2040 Hillsborough to Selma, 2050	DCHC MPO and CAMPO
Bus Rapid Transit – North-South	Regionally Significant	BRT in Chapel Hill, from Eubanks Road, through the UNC Healthcare complex, and to Southern Village. Part on bus-only lanes and part in mixed traffic.	2030	DCHC MPO
Bus Rapid Transit – Downtown Durham	Regionally Significant	BRT in central Durham, from Duke University and Medical Center, through downtown Durham and the central bus station, and to North Carolina Central University. In mixed-traffic, and part possibly on bus-on-shoulder-system (BOSS) on NC 147.	2040	DCHC MPO
Bus Rapid Transit – Durham/Chapel Hill	Regionally Significant	BRT between Durham and Chapel Hill, from UNC Healthcare complex to Duke University and Medical Center, via US 15-501. Part on bus-only lanes, part in mixed-traffic, and part possibly on bus-on-shoulder-system (BOSS).	2050	DCHC MPO
Bus Rapid Transit – Durham/RTP	Regionally Significant	BRT between central Durham and the Research Triangle Park (RTP), from North Carolina Central University to the regional transfer center in the RTP, via NC 147. In mixed traffic, and part possibly on bus-on-shoulder-system (BOSS).	2050	DCHC MPO
Bus Rapid Transit – Chapel Hill/RTP	Regionally Significant	BRT between Chapel Hill and the Research Triangle Park (RTP), from UNC Healthcare complex to the regional transfer center in the RTP, via NC 54 and I-40. In mixed traffic, and part on bus-on-shoulder-system (BOSS).	2050	DCHC MPO

APPENDIX A: 2050 MTP Projects -- CAMPO and BGMPO projects to be added.

Roadway Project List

MTP ID	Highway Project	From	To	Existing Lanes	Proposed Lanes	Improvement Type(a)	Length (miles)	Estimated Cost	STI Tier	Reg. Sig.(a)	Exempt (b)	TIP#
2030 Horizon Year												
2040 Horizon Year												
2050 Horizon Year												

These footnotes clarify the table data on the previous pages.

- (a) Reg. Sig. means Regionally Significant.
- (b) Projects that are exempt may continue to move forward in the case of a plan lapse whereas non-exempt projects will not receive federal action until there is an approved MTP. In this column, exempt projects are indicated by the regulation section that provides the exemption, e.g., 93.126.

Major Transit Capital Projects -- CAMPO and BGMPO projects to be added.

Project Title	Emissions Analysis Status	Programming Description	MTP Horizon Year and TIP #	MPO
	Regionally Significant			
	Regionally Significant			
	Not Regionally Significant			
	Not Regionally Significant			
	Regionally Significant			

APPENDIX B: Conformity Process Schedule

Initial conformity partner consultation - request comment on schedule & report format:	October 21, 2021
MPOs provide tables of MTP and TIP projects:	xxx, 2021
Draft CDR complete and sent to MPOs and agency partners for review and comment:	xxx, 2021
MPO Authorization to release draft conformity report for public comment:	xxx, 2021 (BG MPO) Xxx, 2021 (DCHC) Xxx 2021 (CAMPO)
Target date for receipt of all FHWA, FTA, EPA and DAQ comments:	xxx, 2021
Updated Draft of CDR with agency comments and responses:	xxx, 2021
Target date for NCDOT Conformity Finding for the donut areas:	xxx, 2022
Public Hearing and Action on TIP, MTP amendment(s) and Conformity Determination:	xxx, 2022 (BG MPO) Xxx, 2022 (DCHC) Xxx 2022 (CAMPO)
Federal Action (USDOT determination and letter to State/MPO):	February 18, 2022
Conformity Process complete:	February 18, 2022

APPENDIX C: Interagency Consultation

Interagency consultation followed a process similar to that used in recent conformity determinations:

1. The MPOs, NCDOT, Triangle J COG and FHWA staff discussed the areas and plans to be covered by the CDR, propose a tentative schedule and prepare a template for the report.
2. The report template and tentative schedule was circulated to agency staff by FHWA, seeking any initial comments.
3. The draft report with the schedule was released for public and agency comment, with the draft report sent to agency partners by FHWA staff.
4. Comments received were forwarded to Triangle J COG staff who summarized the comments and prepared comments in consultation with the applicable MPOs and incorporated the responses in the final Conformity Determination Report.

APPENDIX D:

Public Participation and Notification

Public participation and notification for the Air Quality Conformity Determination Report followed each MPO's Public Participation Plan, which can be viewed at the following sites:

<https://www.campo-nc.us/get-involved/public-participation-plan>

<http://www.dchcmmpo.org/involvement/public.asp>

https://www.dropbox.com/s/epd2x6u8wtwvshc/Public%20Involvement%20Policy_BGMPO_PART2014.pdf?dl=0

Each MPO posted the draft CDR on its website and MPOs that use social media included notification of the CDR in its social media communications. Each MPO conducted a public comment period and held a public hearing on the Conformity Determination Report. If required as part of the Public Participation Plan, this appendix includes copies of public notifications and affidavits from media organizations.

The dates of the public hearings for this CDR for each MPO were:

Xxx, 2022 (DCHC MPO)

Xxx, 2022 (CAMPO)

Xxx, 2022 (BG MPO)

In addition to public participation on the air quality process, each MPO had a parallel public process for input and review of the relevant MTP and TIP documents. Although not specifically a part of the air quality work, the MPOs have information related to the public engagement on their MTP and TIP documents on their websites.

APPENDIX E:

Public & Agency Comments and Responses

Appendix E contains any comments on the draft conformity report and responses to these comments. Each commenter is assigned a code and each comment a number. Responses follow each comment. In certain instances, the respondent may insert italicized, bracketed wording to clarify the comment, using the format *[clarifying comment]*. Except as noted by any italicized, bracketed comments, or in the case of minor spelling or grammatical corrections, no changes are made to the comments as received. Comments submitted in digital formats may have altered formats from the original due to the mechanics of importing and combining these files within this appendix.

The following organizations and individuals provided written responses to the request for comments on the draft conformity determination report; no comments on the Conformity Determination Report were received from the general public:

1. to be added
2. to be added, etc.

APPENDIX *F*:

Adoption, Endorsement Resolution and Agency Determinations

The following pages in the final report will contain adoptions, endorsement resolutions and agency determinations after all of the agencies have completed the process.