

Table of Contents

1. Executive Summary.....	1
2. What is the Plan?	4
2.1 Why Do We Need A Plan?	4
2.2 What Is In The Plan	5
2.3 How Will The Plans Be Used?	8
3. About Our Home	9
3.1 Our Region	9
3.2 Our People	10
3.3 Our Economy	11
3.4 Our Environment	12
3.5 Our Future	14
3.6 Our Challenge	14
4. Our Vision And How We Will Achieve It	17
4.1 Our Vision.	17
4.2 Goals and Objectives.	17
4.3 Performance Targets and Measures of Effectiveness.	18
5. How We Developed Our Plan.....	21
5.1 Who is Responsible for the Plan?	21
5.2 Stakeholder & Public Involvement Process.	22
5.3 Triangle Region Transportation Model.....	27
5.4 Related Plans and Studies.....	28
6. Analyzing Our Choices.....	33
6.1 Land Use Plans and Policies	33
6.2 Socio-economic Forecasts	34
6.3 Trends, Deficiencies, and Needs	37
6.4 Alternatives Analysis.....	42
6.5 Performance Evaluation Measures	45
7. Our Metropolitan Transportation Plan.....	50
7.1 Land Use & Development.....	50
7.2 Roadways.....	51
7.3 Fixed Guideway and Premium Transit Services.....	52
7.4 Frequency- and Coverage-Based Bus Services	54
7.5 Bicycle and Pedestrian Facilities	55
7.6 Freight Movement.....	59
7.7 Transportation Demand Management (TDM).....	60
7.8 Transportation Technology & Intelligent Transportation Systems (ITS)	62
7.9 Transportation System Management (TSM)	63
7.10 Rail Investments	64
7.11 Air Transportation	66
7.12 Recommended Special Plans, Projects and Studies	66
8. Our Financial Plan	69
8.1 Costs	69
8.2 Revenues	70
8.3 Balancing Costs and Revenues	76
9. Critical Factors in the Planning Process	80
9.1 Transportation - Air Quality Conformity.	84
9.2 Environmental Justice.....	85
9.3 Safety and Security	100
9.4 Critical Environmental Resources	103
9.5 The Fixing America's Surface Transportation (FAST) Act and the 2045 MTP	105
10. Post-2045 Comprehensive Transportation Plan Projects	109

Appendices

- Appendix 1: Road Projects List Make changes to details for twenty-eight DCHC MPO projects.
- Appendix 2: [reserved for future use]
- Appendix 3: Transit Project List (Capital Area MPO)
- Appendix 4: Bicycle and Pedestrian Projects
- Appendix 5: Resources on Autonomous & Connected Vehicles
- Appendix 6: Complete Streets
- Appendix 7: Air Quality (MOVES output) Replace current discussion with Air Quality Conformity Determination report.
- Appendix 8: Public Comments and Plan Revisions Add any public comments received during Re-adoption process.
- Appendix 9: Acronyms
- Appendix 10: Detailed Transportation and Growth Maps
- Appendix 11: Year-of-Expenditure Financial Plan
- Appendix 12: Environmental Justice Maps and Critical Environmental Resource Maps

Online Interactive Project Maps:

CAMPO: <http://arccg.is/2D0kMfj>

DCHC MPO: www.bit.ly/DCHC-MTP-Adopted

A Note to Readers:

The heart of any transportation plan is the investments that will be made to serve the travel needs of our growing region's citizens, businesses and visitors. These investments take the form of road, transit, rail, cycling and walking facilities and services, together with related technologies. Maps are created to help visualize the nature of both the facilities in which we plan to invest and the existing and future population and jobs that the facilities are designed to serve. But the maps in this document are for illustrative purposes only and are subject to change and interpretation. The details of the investments are in the project lists that are included with this report.

Comments may be submitted to either of the MPOs through their websites:

NC Capital Area MPO: www.campo-nc.us/

attention: Chris Lukasina

Durham-Chapel Hill-Carrboro MPO: www.dchcmpo.org/

attention: Andy Henry

Because this document addresses the official plans of both MPOs, the document is color-coded. Text and tables with a white background apply to both MPOs.

Text and tables highlighted in this green color apply only to the Durham-Chapel Hill-Carrboro MPO.

Text and tables highlighted in this yellow color apply only to the Capital Area MPO