

Table of Contents

Introduction.....	1
1 Demographic Trends and Projections.....	4
1.1 Population	4
1.2 Households.....	6
1.3 Housing.....	7
1.4 Population Projections	10
1.5 Identified Needs	13
2 Roadway Network.....	16
2.1 Existing Conditions	16
2.2 Strategic Corridor Network	28
2.3 Freight Network.....	30
2.3.1 Highway	30
2.3.2 Rail	30
2.4 Trends and Analysis.....	33
2.4.1 Mode Choice.....	33
2.4.2 APCOG Travel Model Analysis: Current and Future Regional Traffic	35
2.5 Identified Needs	40
2.5.1 Priority Projects	40
2.5.2 Project Recommendations	40
3 Intersections and Safety	52
3.1 Existing Conditions	52
3.2 Identified Needs	53
4 Bridges.....	54
4.1 Existing Conditions	54

4.2	Identified Needs	55
5	Maintenance and Resurfacing	56
5.1	Existing Conditions	56
6	Signalization	60
6.1	Existing Conditions	60
6.2	Identified Needs	60
7	Mass Transit	62
7.1	Existing Conditions	62
7.2	Transit.....	62
7.2.1	Clemson Area Transit	62
7.2.2	Disabilities and Special Needs Boards	63
7.3	Regional Transportation	64
7.3.1	Bus	64
7.3.2	Train.....	64
7.4	Identified Needs	64
8	Bicycle and Pedestrian Facilities	68
8.1	Existing Facilities.....	68
8.1.1	Pedestrian Facilitates	68
8.1.2	Bicycle Facilities.....	69
8.2	Facilities for Recreation	71
8.2.1	Trails	71
8.2.2	Parks	73
8.2.3	Identified Needs	74
9	Environmental Screening	76

Tables

Table 1. Population by County, 1999-2014	4
Table 2. Households by County, 1990-2010.....	7
Table 3. Annual Residential Building Permits by County, 2011-2015	9
Table 4. SCORS Population Projections by County, 2010-2030.....	11
Table 5. ACOG Population Projections by County, 2015-2040.....	12
Table 6. Projected Population Change by County 2015 – 2030, SCORS and ACOG	13
Table 7. Rural Highway AADT, 2015	19
Table 8. 2013 Commuter Data	33
Table 9. Analysis of Regional Level of Service, 2010 & 2040.....	35
Table 10. Proposed LRTP Projects	42
Table 11. ACOG Region Safety Projects, 2014-2019 STIP.....	53
Table 12. ACOG Region Bridge Projects, 2014-2019 STIP	55
Table 13. ACOG Rural Roads with PQI Less than 2.6, Federal Aid Eligible	57
Table 14. SCDOT Priority Signalization Projects	61

Figures

Figure 1. Annual Residential Building Permits by County, 2011-2015	8
Figure 2. Total Residential Permits for the ACOG Region: 2011-2015	9
Figure 3. SCORS Population Growth & Projections by County, 2010-2030	11
Figure 4. ACOG Population Growth & Projections by County, 2020-2040	12
Figure 5. ACOG Region Commute Modes, 2013	33
Figure 6. CAT Routes, as of May 2016.....	63
Figure 7. Palmetto Trail Map	72

Maps

Map 1. ACOG Region	2
Map 2. Regional Growth Rate by Census Tract, 2000-2010.....	5
Map 3. Anderson County Traffic Counts, 2015	22
Map 4. Cherokee County Traffic Counts, 2015	23
Map 5. Greenville County Traffic Counts, 2015	24
Map 6. Oconee County Traffic Counts, 2015	25
Map 7. Pickens County Traffic Counts, 2015.....	26
Map 8. Spartanburg County Traffic Counts, 2015	27
Map 9. Strategic Corridor Network	29
Map 10. ACOG Freight Corridor Network	31
Map 11. ACOG Railroad Network.....	32
Map 12. 2010 APCOG E+C Model Network.....	36
Map 13. 2010 APCOG E+C Level of Service	37
Map 14. 2040 APCOG E+C Model Network.....	38
Map 15. 2040 APCOG E+C Level of Service	39
Map 16. ACOG Proposed LRTP Projects	45
Map 17. Anderson County Proposed LRTP Projects.....	46
Map 18. Cherokee County Proposed LRTP Projects.....	47
Map 19. Greenville County Proposed LRTP Projects.....	48
Map 20. Oconee County Proposed LRTP Projects.....	49
Map 21. Pickens County Proposed LRTP Projects	50
Map 22. Spartanburg County Proposed LRTP Projects	51
Map 23. ACOG Region, People Per Square Mile, 2010	65

Map 24. ACOG Region, Zero Vehicle Households Per Square Mile, 2014.....	66
Map 25. Existing and Proposed SCDOT Regional Bicycle Routes	70