List of Figures

Figure 1.1-1: Population Trends, 1950-2010 and 2015 Estimate, Cleveland and the Five NOACA Counties .......................................................... 2

Figure 1.1-2: Population Trends, 1950-2010 and 2015 Estimate, Cleveland and the Five NOACA Counties .......................................................... 3

Figure 1.1-3: Average Household Size (persons/household) .......................................................... 4

Figure 1.1-4: Population Density 1990 .......................................................................................... 7

Figure 1.1-5: Population Density 2000 .......................................................................................... 8

Figure 1.1-6: Population Density 2010 .......................................................................................... 9

Figure 1.1-7: Population Control Totals for Future Projections ....................................................... 11

Figure 1.1-8: Population Trend & Forecast: Downtown Cleveland, 1990-2040 .................................. 12

Figure 1.2-1: NOACA Civilian Labor Force .................................................................................. 13

Figure 1.2-2: NOACA 2010 Employment Characteristics .................................................................. 17

Figure 1.2-3: Employment Projections .......................................................................................... 18

Figure 1.2-4: County Employment by Sector .................................................................................. 21

Figure 2.1-1: Federal Requirements and Status ............................................................................ 26

Figure 2.1-2: Connection of Strategies to Goals ........................................................................... 38

Figure 2.3-1: Comparison of 1999 Statement of Principles with Regional Strategic Plan Goals .... 41

Figure 2.4-1: Comparison of 2009 Transportation Planning Goals with Regional Strategic Plan Goals ......................................................................................... 47

Figure 3.1-1: Congestion Management Plan Objectives and NOACA Long-Range Goals and Objectives .................................................................................................................. 50

Figure 3.1-2: First-Tier Congestion Management Objectives .......................................................... 51

Figure 3.1-3: Supplemental Congestion Management Objectives .................................................. 51

Figure 3.1-4: Congestion Management Process ............................................................................. 52

Figure 3.1-5: 2015 Highway Network by Facility Type ................................................................. 55

Figure 3.1-6: 2015 Highway Network Centerline Miles by Road Facility Type .............................. 57

Figure 3.1-7: Road Facility Types of the 2015 Highway Network by Percentage .......................... 57

Figure 3.1-8: 2015 Highway Network by Number of Directional Lanes ........................................ 59

Figure 3.1-9: 2015 Highway Network Mileage by Directional Lanes ............................................. 61

Figure 3.1-10: Centerline Directional Lane Mileage of the 2015 Highway Network by Percentage .............................................................................................................................. 61

Figure 3.1-11: 2015 Premium Bus, BRT, and Rail Line Network ..................................................... 63

Figure 3.1-12: TAZs within a 5-Mile Drive of Park-and-Ride Stations ............................................. 67

Figure 3.1-13: TAZs within a Half-Mile Walk of Rail Stations ........................................................ 68

Figure 3.1-14: Roadway Committed Projects for the 2040 Model Network .................................. 71

Figure 3.1-15: Roadway Committed Projects for the 2040 Model Network .................................. 75

Figure 3.1-16: 2040 Highway Network Centerline Miles by Road Facility Type ............................. 77

Figure 3.1-17: 2040 Highway Network Mileage by Directional Lanes ............................................. 77

Figure 3.1-18: 2040 Highway Network by Number of Directional Lanes ....................................... 79

Figure 3.1-19: 2040 Premium Bus, BRT, and Rail Line Network ................................................... 80

Figure 3.1-20: Volume over Capacity Ranges ................................................................................. 81

Figure 3.1-21: Mode Share Percentages of 2015 Daily Person Trips ............................................. 83

Figure 3.1-22: Mode Share Percentages of 2015 Daily Person Trips ............................................. 84

Figure 3.1-23: Mode Share Percentages of 2040 Daily Person Trips ............................................. 84

Figure 3.1-24: Mode Share Percentages of 2040 Daily Person Trips ............................................. 85

Figure 3.1-25: 2015 Daily Ridership by Transit Mode ................................................................. 85

Figure 3.1-26: 2015 Capacity Factors for the Modeling Periods ................................................... 86

Figure 3.1-27: Volume over Capacity Ratio for the 2015 PM Peak Period .................................... 88

Figure 3.1-28: Freeway Locations with an LOS of F for the 2015 PM Peak Period ....................... 89