

Table of Contents

- Executive Summary..... i
 - Current Conditions and Trends i
 - The Strategic Transit Master Plan Process iv
 - The Need for Transit Improvements..... iv
 - Five Priority Areas for Transit Investment v
 - Application of the Service Delivery Policy v
 - Opportunities for Transit Investment in the Short Term (2009-2015) vi
 - Opportunities for Transit Investment in the Mid Term (2016-2025) vii
 - Opportunities for Transit Investment in the Long Term (2026-2035) viii
 - Conclusions x
- Chapter 1 Introduction 1-1
 - Purpose of the Report 1-1
 - About the MTA 1-1
 - Project Approach and Report Organization 1-1
- Chapter 2 The Past, Current and Future Condition for Transit in Nashville/Davidson County 2-1
 - Population 2-1
 - Employment 2-6
 - Future Forecasts 2-8
- Chapter 3 Transit Trends..... 3-1
 - Transit Ridership and Performance Trends..... 3-1
 - Transit Expenditure and Revenue Trends..... 3-4
 - Summary 3-6
- Chapter 4 Comparison of Nashville MTA with Peers..... 4-1
 - Selection of Peers 4-1
 - Peer Performance Comparison 4-3
 - Peer Funding Comparison 4-11
 - Summary of Findings 4-12
- Chapter 5 Service Delivery Policy and Implications 5-1
 - Temporal Availability 5-1
 - Geographic Availability 5-4
 - Cost Effectiveness and Service Effectiveness Standards 5-10
 - Summary 5-13

Chapter 6 Regional and MTA Goals and Priorities.....	6-1
Regional Transportation Goals from the Long Range Transportation Plan and Corridor Studies	6-1
Other Regional Goals and Priorities.....	6-5
The MTA's Mission.....	6-6
MTA Priorities and Connections to the Regional Long Range Vision.....	6-7
Summary.....	6-8
Chapter 7 Detailed Recommendations for BRT	7-1
Background of Route 26 Gallatin Road	7-2
Potential Application of Specific BRT Elements to Proposed Gallatin BRT Service.....	7-5
Summary of Recommendations for Gallatin BRT.....	7-12
Potential Extension of BRT from MCC to Vanderbilt	7-13
Addendum 6-A: Alternative Service Patterns	7-15
Chapter 8 Opportunities for Improving MTA Service and Image	8-1
Bring Service Frequency to Meet Service Policy Minimums	8-1
Improve Speed of Transit	8-3
Serve New or Unserved Areas.....	8-8
Make Service Easier to Use	8-10
Improve the Image of Transit	8-10
Environmental Opportunities	8-11
Summary of Opportunities.....	8-12
Chapter 9 Summary of Recommendations for the Short, Medium and Long-Term.....	9-1
Short Term Recommendations (2009-2015)	9-1
Medium Term Recommendations (2016-2025)	9-5
Long Term Recommendations (2026-2035).....	9-8
Summary.....	9-10
 Appendix A: MTA Service Analyzer	
Appendix B: Public Input on MTA Priorities	
Appendix C: MTA Service Delivery Policy	

Figures

Figure E-1: Persons per Square Mile in 2007 (based on Census Block Groups)	ii
Figure E-2: Passengers per Hour Comparison	iii
Figure E-3: Service Hours per Person Living in the Service Area.....	iii
Figure E-4: Short, Mid and Long Term Recommendations.....	ix
Figure 2-1: Population Density in Nashville/Davidson County (by Block Group – 2007)	2-2
Figure 2-2: Median Household Income by Block Group – 2007.....	2-3
Figure 2-3: Percent Households without Automobiles - 2007	2-4
Figure 2-4: Number of Persons over 65 Years Old Per Acre	2-5
Figure 2-5: Employment in Nashville/Davidson County	2-7
Figure 2-6: 2007 Population Density in Persons per Square Mile.....	2-8
Figure 2-7: 2035 Projected Population Density in Persons per Square Mile.....	2-8
Figure 2-8: 2006 Employment Density in Employees per Square Mile	2-9
Figure 2-9: 2035 Projected Employment Density in Employees per Square Mile	2-9
Figure 3-1: Total Ridership Trends (Source: MTA)	3-2
Figure 3-2: Access Ride Ridership Trends (Source: MTA)	3-2
Figure 3-3: Bus Service Riders per Revenue Hour (Source: MTA).....	3-3
Figure 3-4: Bus Service Riders per Revenue Hour by Route Type (Source: MTA)	3-3
Figure 3-5: Sources of MTA Revenues (Source: MTA).....	3-4
Figure 3-6: Support for MTA Operating Expenses by Source for FY 2009	3-5
Figure 4-1: Population Density Comparison (persons/square mile).....	4-6
Figure 4-2: Passengers per Vehicle Hour	4-7
Figure 4-3: Cost per Vehicle Hour.....	4-7
Figure 4-4: Cost per Passenger	4-8
Figure 4-5: Fare Recovery Ratio	4-8
Figure 4-6: Net Cost per Passenger	4-9
Figure 4-7: Service Hours per Capita.....	4-9
Figure 4-8: Passenger Trips per Capita	4-10
Figure 4-9: Funding per Capita by Source	4-12
Figure 5-1: Nashville MTA ½ Mile Route Buffers and 2007 Population Density (by Census Block Group)	5-5

Figure 5-2: Nashville Employers and ¼ Mile Buffers for MTA Service.....	5-6
Figure 5-3: Nashville Points of Interest and ¼ Mile Buffers for MTA Service.....	5-7
Figure 5-4: Cost and Service Effectiveness of the Most Frequent Routes.....	5-10
Figure 5-5: Cost and Service Effectiveness of the Frequent Routes	5-11
Figure 5-6: Cost and Service Effectiveness of the Commuter Routes (Passengers per Hour).....	5-12
Figure 5-7: Cost and Service Effectiveness of the Commuter Routes (Passengers per Trip)	5-12
Figure 6-1: Schematic of Higher Capacity Corridors for the Nashville Region.....	6-4
Figure 7-1: Typical Section of Outer Portion of Gallatin Pike with Route 26 Gallatin Road Buses.....	7-3
Figure 7-2 and Figure 7 3: Two Views of Bus Stop at Rivergate Mall.....	7-3
Figure 7-4: Bus Stop in Section with Diagonal Parking.....	7-4
Figure 7-5: Boarding at Music City Central Station	7-4
Figure 7-6: Future Nashville BRT Vehicle.....	7-5
Figure 7-7: Illustration of a Queue Jump Lane.....	7-6
Figure 7-8: Main Street Bridge over Cumberland River.....	7-7
Figure 7-9: Next Bus Sign at a Station.....	7-9
Figure 7-10: Mobile Unit with Bus Arrival Data.....	7-9
Figure 7-11: Smart Card Reader Installed at Rear Door of Bus.....	7-10
Figure 7-12: Kansas City MAX Station, with Marker and Shelter	7-11
Figure 7-13: Alternative Service Patterns for Gallatin Road BRT	7-12
Figure 8-1: MTA Routes Recommended for Headway Improvements to Meet Standards	8-2
Figure 8-2: Existing Downtown Shuttles	8-5
Figure 8-3: One Concept for a Downtown Circulator	8-5
Figure 8-4: Schematic of the Mini-Hub Concept	8-7
Figure 8-5: Glenclyff and Woodbine Routes	8-9
Figure 9-1: Short Term Recommendations.....	9-4
Figure 9-2: Short and Mid Term Recommendations	9-7
Figure 9-3: Short, Mid and Long Term Recommendations	9-9

Tables

Table E-1: Recommended Short-Term MTA Improvements and Priority Areas	vii
Table 2-1: Population of Nashville/Davidson County	2-1
Table 2-2: MTA Coverage of Population and Households in Nashville/Davidson County	2-6
Table 2-3: MTA Coverage of Employers/Employees in Nashville/Davidson County.....	2-6
Table 3 1: MTA Ridership Trends (Source: MTA)	3-1
Table 3-2: MTA Expenses by Fiscal Year (Source: MTA).....	3-4
Table 3-3: Sources of MTA Revenues (Data from MTA)	3-5
Table 4-1: Characteristics of Nashville and Selected Peer Agencies (from NTD 2006).....	4-2
Table 4-2: Nashville Rank for Performance Measures (from 2006 NTD).....	4-4
Table 4-3: Service Performance Measures for Nashville and Peer Agencies (from NTD 2006).....	4-5
Table 4-4: Funding for Operations by Source for Nashville and Peer Agencies on a Per Capita Basis.....	4-11
Table 5-1: Proposed Span of Service and Service Frequency by Service Class.....	5-2
Table 5-2: Routes Needing Frequency Improvements to Meet Standards	5-3
Table 5-3: MTA Park and Ride Lot Utilization	5-8
Table 5-4: Service and Cost Effectiveness for Top and Bottom MTA Routes.....	5-13
Table 7-1: BRT Elements.....	7-1
Table 7-2: BRT Cost Summary	7-13
Table 8-1: Routes Recommended for Frequency Improvements to Meet Minimum Frequency Standards.....	8-1
Table 8-2: Cost to Bring Service up to Frequency Standards Listed By Service Type	8-3
Table 8-3: Costs to Bring Service up to Frequency Standards Listed By Service Time.....	8-3
Table 8-4: Mini-Hubs Concept and Routes Served.....	8-7
Table 9-1: BRT Capital Costs	9-1
Table 9-2: Frequency Recommendations	9-2
Table 9-3: Recommended MTA Improvements and Priority Areas	9-3