

## Table of Contents

1.	BACKGROUND.....	1
2.	EXISTING ROUTE STRUCTURE AND SERVICE LEVELS .....	5
	Background.....	5
	Base Route Structure.....	5
	Peak Route Structure.....	5
	Off-Street Facilities .....	5
	Transit Centers.....	5
	Park & Ride Lots.....	5
	On-Street Facilities .....	5
	Transit Waiting Shelters .....	5
	Dedicated Transit Rights of Way .....	6
	Regional Transit Standards.....	8
	Study Area Route Coverage and Level of Service.....	10
	Service Frequencies.....	22
	Bus Stop Spacing.....	22
	Bus Service Speeds and Travel Times.....	24
3.	FACTORS AFFECTING TRANSIT RIDERSHIP.....	27
	Population and Employment Density.....	27
	Population Density .....	27
	Employment Density .....	27
	Schools and Student Population.....	32
	Student Population.....	32
	Demographics.....	34
	Senior Population .....	34
	Households in Poverty.....	34
	Minority Population.....	34
4.	ANALYSIS OF EXISTING RIDERSHIP AND ROUTE PERFORMANCE .....	39
	Data Collection .....	39
	Weekday Transit Ridership.....	39
	Weekend Transit Ridership .....	39
	Boardings by Route and Day of Week.....	43
	Service Performance by Route .....	47

5. OPPORTUNITIES AND NEXT STEPS.....	49
Regular Bus Service Improvements.....	49
Transit Facility Service Improvements.....	49
Arterial BRT.....	49
CMAQ Funding Awards.....	52
Customer Relations Feedback .....	52
Regional Service Improvement Plan and Next Steps .....	52

## List of Figures

Figure 1 – Map of Metropolitan Area Transit Planning Sectors and St. Paul East Side Study Area .....	3
Figure 2 - Map of the St. Paul East Side Study Area .....	4
Figure 3 - Map of the Transit Shelters in the East Side of St. Paul .....	7
Figure 4-Map of East Side St. Paul Transit Market Areas .....	9
Figure 5 – Metropolitan Council Day and Time Service Standards .....	10
Figure 6 – Metropolitan Council Frequency Standards.....	10
Figure 7-Map of Transit Service Frequencies Weekday AM Peak.....	14
Figure 8-Map of Transit Service Frequencies Weekday Midday .....	15
Figure 9-Map of Transit Service Frequencies PM Peak .....	16
Figure 10-Map of Transit Service Frequencies Weekday Evening .....	17
Figure 11-Map of Transit Service Frequencies Saturday Midday.....	18
Figure 12-Map of Transit Service Frequencies Saturday Evening .....	19
Figure 13-Map of Transit Service Frequencies Sunday Midday .....	20
Figure 14-Map of Transit Service Frequencies Sunday Evening.....	21
Figure 16-Map of Transit Stop Spacing.....	23
Figure 17-Map of Travel Shed from East 7 <sup>th</sup> and White Bear Avenue.....	25
Figure 17a-Map of Travel Shed from Payne Avenue and Maryland Avenue .....	26
Figure 18-Map of Residential Density .....	28
Figure 19-Map of Study Area Labor Shed.....	29
Figure 20-Map of Employment Density.....	30
Figure 21-Map of Study Area Commute Shed.....	31
Figure 22-Enrollments in High Schools and Post-Secondary Schools - Fall 2011 .....	32
Figure 23-Map of High Schools and Post-Secondary Schools and Population Ages 16 to 24 Years Old....	33
Figure 24-Map of Population Aged 65+.....	35
Figure 25-Map of Population in Poverty .....	36
Figure 26-Map of Household Income .....	37
Figure 27-Map of Minority Population.....	38
Figure 28-Service and Boardings on Weekdays - 2012 .....	40
Figure 28a-Chart Passengers per In-Service Hour by Route Weekdays - 2012 .....	41
Figure 29-Service and Boardings by Time of Day on Weekends - 2010 .....	42
Figure 29a-Passengers per In-Service Hour by Route on Weekends – 2010 .....	43
Figure 30-Map of Weekday Ridership .....	44
Figure 31-Map of Saturday Ridership.....	45
Figure 32-Map of Sunday Ridership .....	46
Figure 33-Weekday Route performance .....	47
Figure 34-Saturday Route performance.....	47
Figure 35-Sunday Route performance .....	48
Figure 36-Map of East 7 <sup>th</sup> Street Arterial BRT Alignment.....	51