

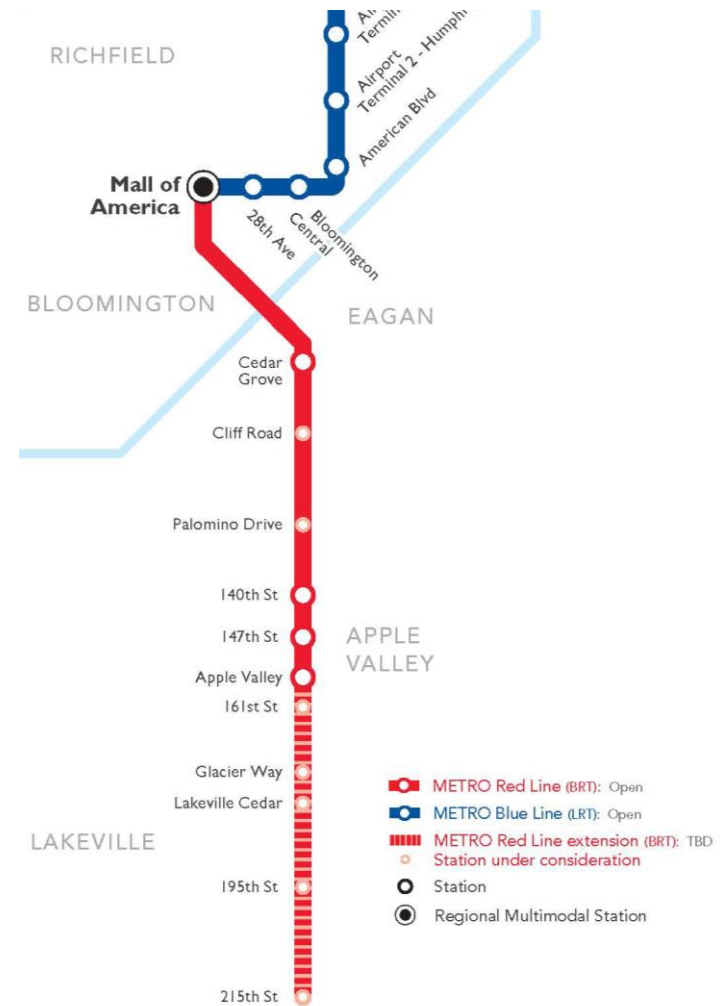
# Cedar Avenue Transitway/ METRO Red Line Implementation Plan Update

Metropolitan Transportation  
Committee  
July 27, 2015

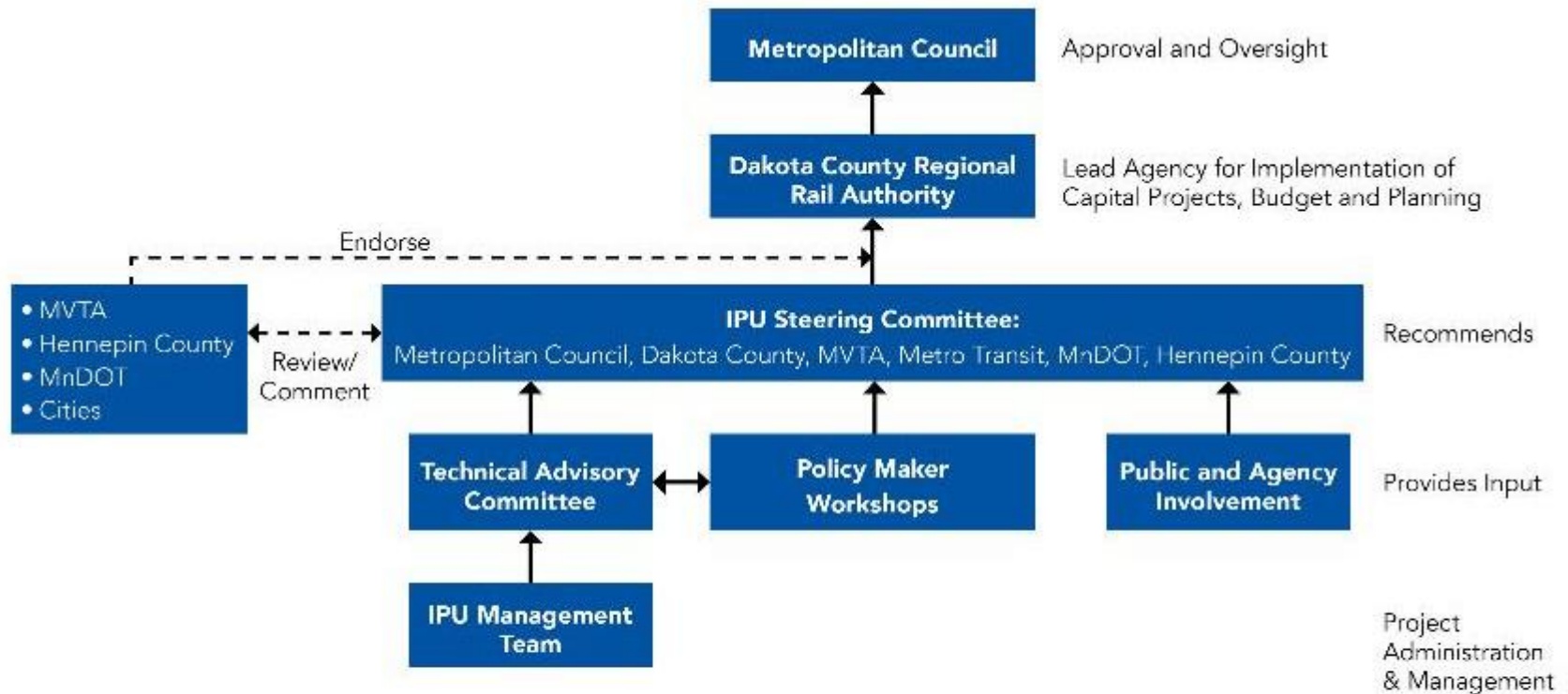


# Purpose of Cedar Avenue Transitway IPU

- Previous IPU – August 2011
- Review current transit service and facilities
- Plan future stages
- Comprehensive look from Mall of America to County Highway 70



# IPU Decision Making Process



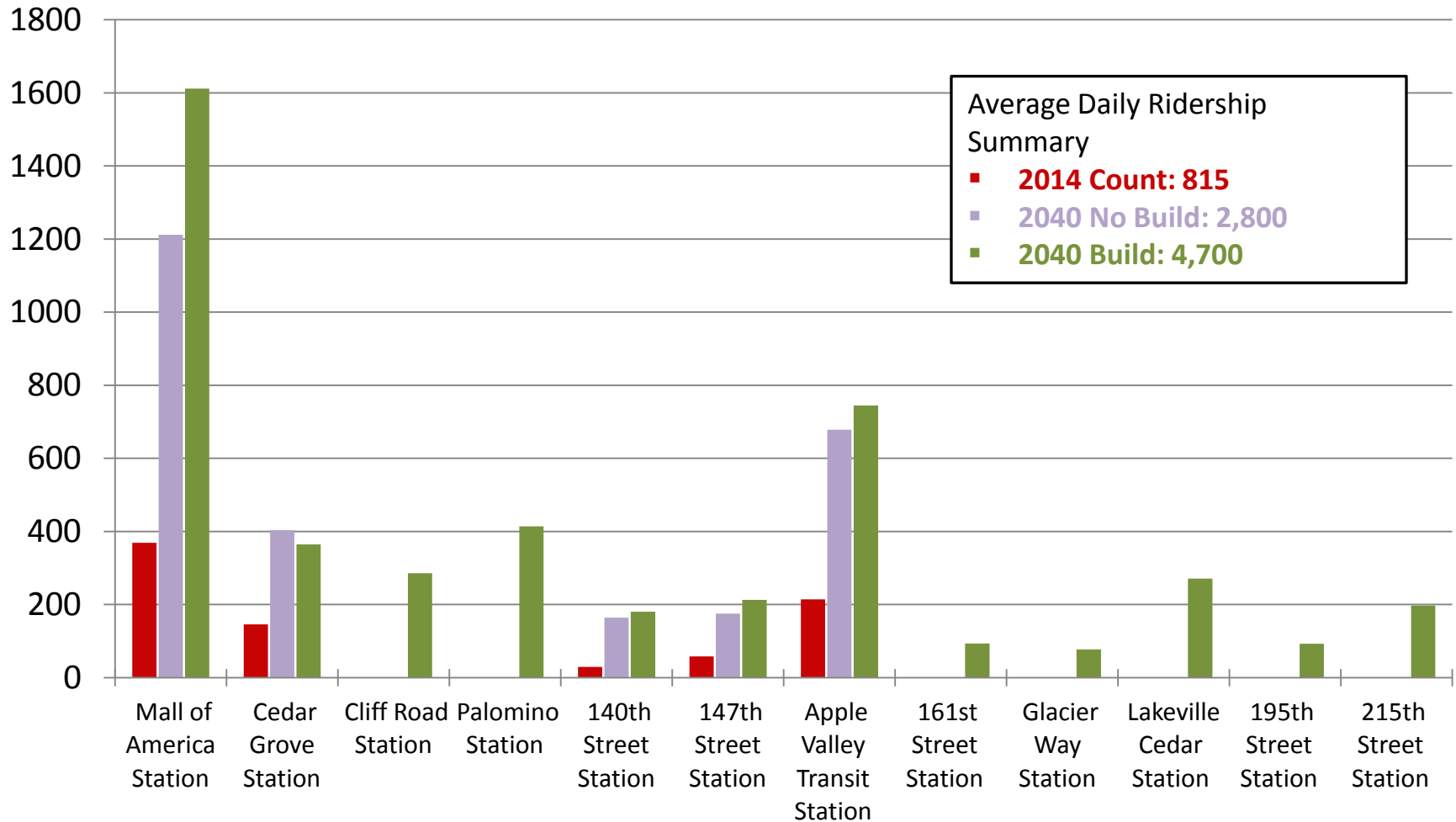
# Revised Goals

1. Provide a variety of safe, reliable, and attractive transit services in the corridor.
2. Improve mobility and accessibility within the Cedar Avenue Transitway.
3. Improvements are cost-effective and well-positioned for implementation.
4. Enhance and promote transit oriented development that is compatible with community goals and helps increase ridership.

# 2040 Ridership- Average Weekday Boardings

Route Type	Existing	2040 No Build	2040 Build
Corridor Local ( not guideway)	600	2,300	3,100
Express/Local (guideway) <i>[Guideway Boardings]</i>	4,600 <i>[3,300]</i>	9,200 <i>[6,600]</i>	10,100 <i>[7,400]</i>
Red Line Station-to-Station	800	2,800	4,700
<b>Total Guideway Boardings</b>	5,400	12,000	14,800

# Red Line Station-to-Station Daily Boardings



Boardings and Alightings are depicted in Production/Attraction format



# EVALUATION MEASURES



# Evaluation Measures

- Evaluation measures were developed to establish priorities and meet performance goals
  - Ridership
  - Cost Effectiveness
- Categorized into:
  - Measures with identified thresholds
  - Indicators
  - Safety
- Measures with identified thresholds helped determine priorities



New Stations	Evaluation Measures with Identified Thresholds		Indicators					
	Metro Red Line Daily Station to Station Boardings (2040 Build)	Cost Effectiveness	Average Vehicles Available per HH	Minority Population (%)	Low Income Households (185% of Poverty Threshold)	2040 Station Area Activity (People, Jobs)	Residential Density (Current Comp Plan Land Uses)	2040 Housing Density (HH per acre)
Cliff Road	290	\$2.19	1.79	19.61%	19.72%	14,343	<ul style="list-style-type: none"> <li>• Medium Density Residential: 4-12 units per acre</li> <li>• High Density Residential: 12+ units per acre</li> <li>• Mixed Use</li> </ul>	2.58
Palomino	410	\$7.49	2.05	15.86%	18.83%	12,191	<ul style="list-style-type: none"> <li>• Low Density Residential: 3-6 units per acre</li> <li>• Medium Density Residential: 6-12 units per acre</li> <li>• High Density Residential: 12-40 units per acre</li> <li>• Parks and Open Space</li> </ul>	2.36
161 <sup>st</sup> Street	90	\$12.83	1.91	22.81%	19.41%	11,627	<ul style="list-style-type: none"> <li>• Low Density Residential: 1-3 units per acre</li> <li>• Commercial</li> </ul>	3.37
Glacier Way	80	\$14.43	2.16	14.02%	19.73%	12,127	<ul style="list-style-type: none"> <li>• Low Density Residential: 1-3 units per acre</li> <li>• Medium Density Residential: 4-9 units per acre</li> <li>• Commercial</li> <li>• Public Space</li> </ul>	2.05
Lakeville Cedar	270	\$4.40	2.16	12.57%	13.98%	10,006	<ul style="list-style-type: none"> <li>• Medium Density Residential: 4-7 units per acre</li> <li>• High Density Residential: 9+ units per acre</li> </ul>	2.05
195 <sup>th</sup> Street	90	\$13.14	1.99	5.80%	19.23%	7,712	<ul style="list-style-type: none"> <li>• Special Plan Area</li> </ul>	1.66
215 <sup>th</sup> Street	200	\$6.29	1.93	19.57%	20.76%	5,791	<ul style="list-style-type: none"> <li>• Industrial</li> <li>• Commercial</li> </ul>	0.67
AVERAGE	204	\$8.68	1.99	15.74%	18.83%	10,542		2.11

High Medium Low



# STAGING PLAN



# Draft Staging Plan

- Identifies future capital investments (2015 \$) in five stages
- Estimated timeframes, contingent on meeting thresholds:
  - Stage 1: 2010-2015
  - Stage 2: 2015-2020
  - Stage 3: 2020-2025
  - Stage 4: 2025-2040
  - Stage 5: 2025-2040
  - Potential Future Projects

# Stage 2

## 2015-2020

Capital Investments	Cost
Mall of America Station Improvements	\$6,700,346*
Cedar Grove Online Station	\$13,250,000
Apple Valley Transit Station Expansion	\$8,196,400
Bicycle and Pedestrian Improvements	\$100,000
Corridor-wide Station Area Planning (7 Stations)	\$100,000 per station
Study of Palomino, Cliff, Cedar Grove and TH 77 Managed Lane Concepts- includes park and ride siting	\$500,000

*\*Red Line portion of Mall of America Station cost*

# Stage 3

## 2020-2025

Capital Investments	Cost
Cliff Road Inline Station	\$2,600,000
Palomino Online Station and Park and Ride* <ul style="list-style-type: none"> <li>• Includes METRO Red Line Station</li> <li>• Includes new park and ride facility with capacity for 700 vehicles</li> </ul>	\$32,000,000
Bicycle and Pedestrian Improvements	\$100,000
METRO Red Line Vehicle Replacement (7 vehicles in 2025)	\$4,100,000
Update Cedar Transitway IPU	\$400,000

*\*Future study identified in Stage 2 will refine concepts and costs*

# Stage 4

<b>Capital Investments</b>	<b>Cost</b>
Lakeville Cedar Station	\$2,800,000
Park and Ride Capacity Expansion in Northern Apple Valley or Eagan (300 spaces)	\$9,300,000
Technology (TSP, Fiber)	\$2,900,000
Bicycle and Pedestrian Improvements	\$100,000

# Stage 5

<b>Capital Investments</b>	<b>Cost</b>
215 <sup>th</sup> Street Station	
• Current park and pool converted to park and ride- no expansion of park and ride	\$3,000,000
Red Line BRT Vehicle Purchase (2)	\$1,200,000
Storage and Maintenance Facility Allowance (Red Line and Local/Express vehicles)	\$470,000
Technology (TSP, Fiber)	\$3,500,000
Bicycle and Pedestrian Improvements	\$100,000

# Potential Future Projects

*These can accelerate to an earlier phase if conditions (ridership and land use) change:*

- 147th Street Station Pedestrian Bridge
- 161st Street Station
- Glacier Way Station
- 195th Street Station
- Bicycle and Pedestrian Improvements associated with 161st Street, Glacier Way and 195th Street stations
- Additional local and express vehicle purchase (up to 12 vehicles)
- TH 77 MnPASS Investment



# IPU Available for Public Comment

- [www.cedartransitway.com](http://www.cedartransitway.com)
- **July 28 to August 28**
- **Open Houses:**
  - **Wednesday, July 29, 4:30 - 6:30 p.m.**  
Apple Valley Transit Station
  - **Tuesday, August 4, 3:00 p.m. - 5:00 p.m.**  
Cedar Grove Transit Station

# Questions?

