



METRO Orange Line Update

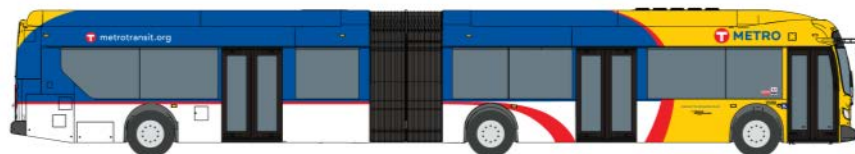
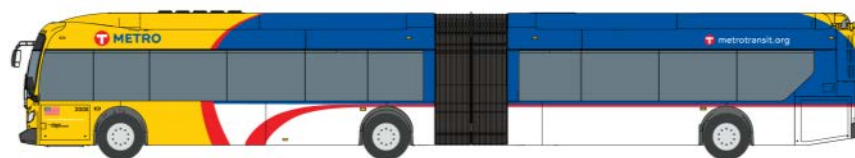
Bloomington City Council
November 14, 2016

James Harwood, Design Lead

Christina Morrison, Project Manager

METRO Orange Line BRT

- 17 miles, 12 Stations
- 10-minute service during peak
- 15-minute service midday and night
- Service 20 hours a day, 7 days a week
- 12 low-floor, 3-door METRO buses
- Design:
 - Completed 30% design
 - Reinitiated Lake Street design
- Construction starts in 2017
- Open for service in 2019



Leveraging Previous Investments

- Downtown bus lanes (MARQ2)
- I-35W's bus-only shoulders & MnPASS lanes
- I-35W & 46th Street Station
- New investments complete vision
 - Lake Street Station
 - Knox Avenue transitway under 494
 - Downtown transit ramp
 - New stations in Richfield, Bloomington, Burnsville
 - Technology, amenities at all stations
- Coordinate with \$360M of concurrent MnDOT work



2016 Progress

- Submitted project information in September to the federal Small Starts grant program
- Orange Line NEPA review close to completion
 - Lake Street Station received Finding of No Significant Impact
 - Orange Line Documented Categorical Exclusion in final FTA review
- Secured an additional \$39.63 million of funding in 2016
- Began engineering and completed 30% design



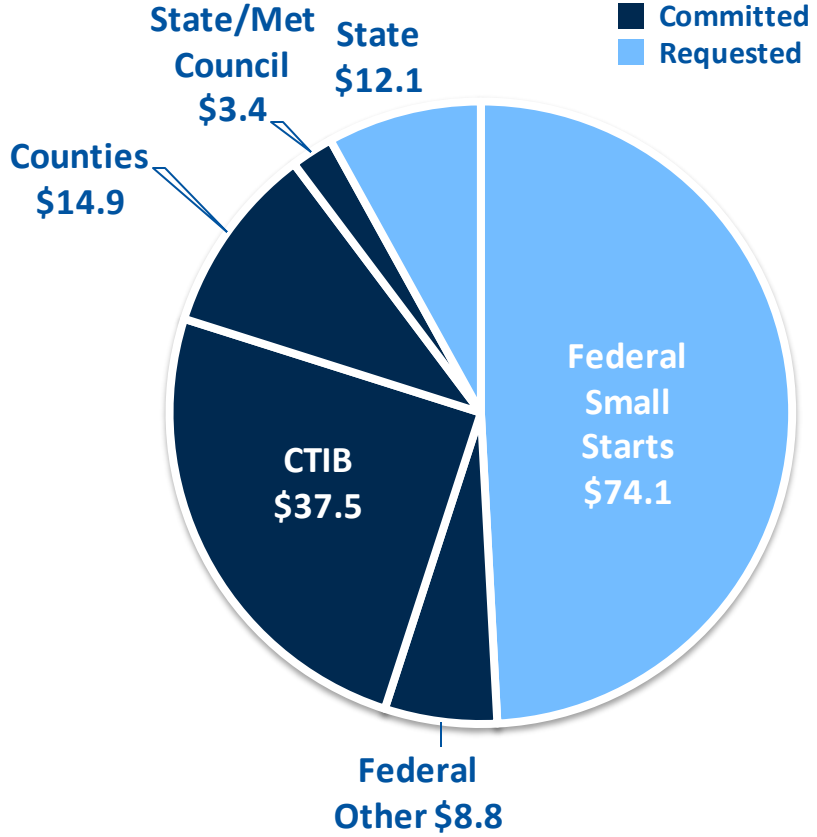
Orange Line Funding Plan

Total project cost \$150.7M

Remaining funding needs include:

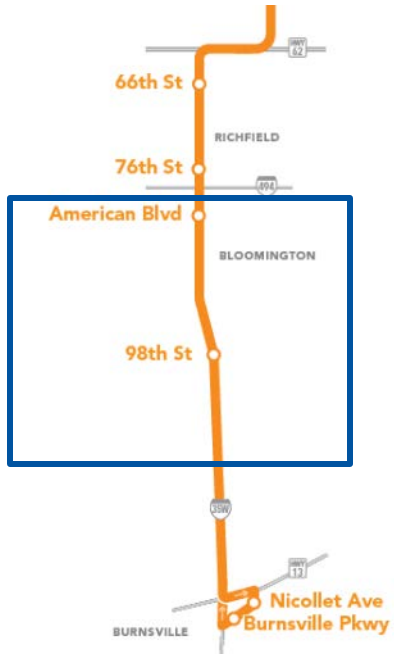
- \$12.1M state share – anticipated 2017
- \$74.1M federal Small Starts funding – anticipated 2018

Anticipated Capital Sources, in Millions



Orange Line in Bloomington

American Boulevard Station



98th Street Station



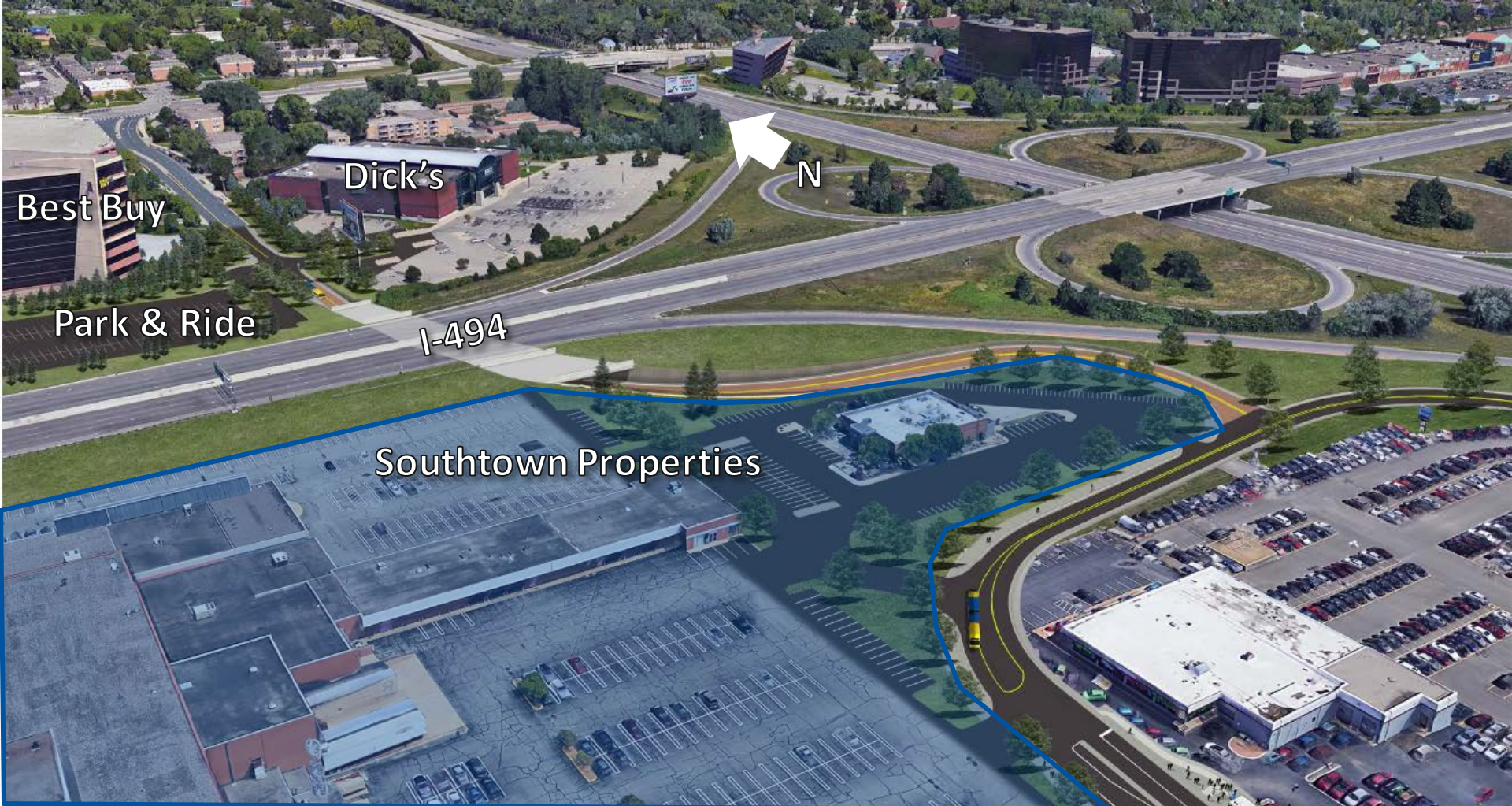
Knox Avenue Transitway



Southtown Existing Conditions



Knox Avenue Transitway Visualization



Southtown Existing Conditions



Knox Avenue Transitway Visualization





Knox Avenue Transitway Visualization



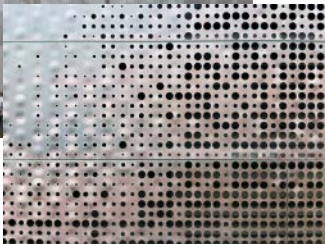
Orange Line Station Materials & Amenities



Push-button heaters



Materials



Pylon



Real-time signage



Ticket vending machines



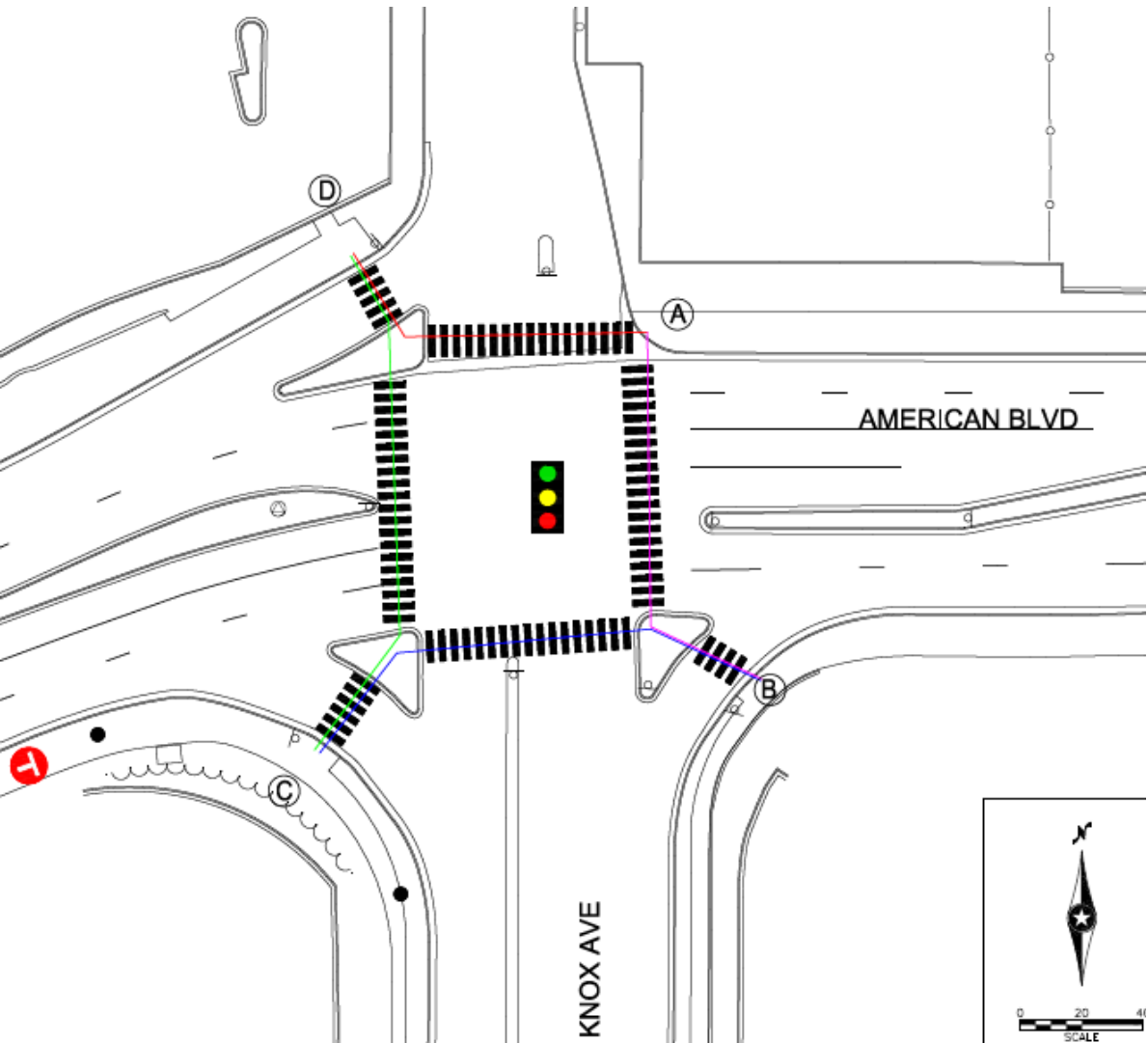
LED Lighting



American Boulevard Station



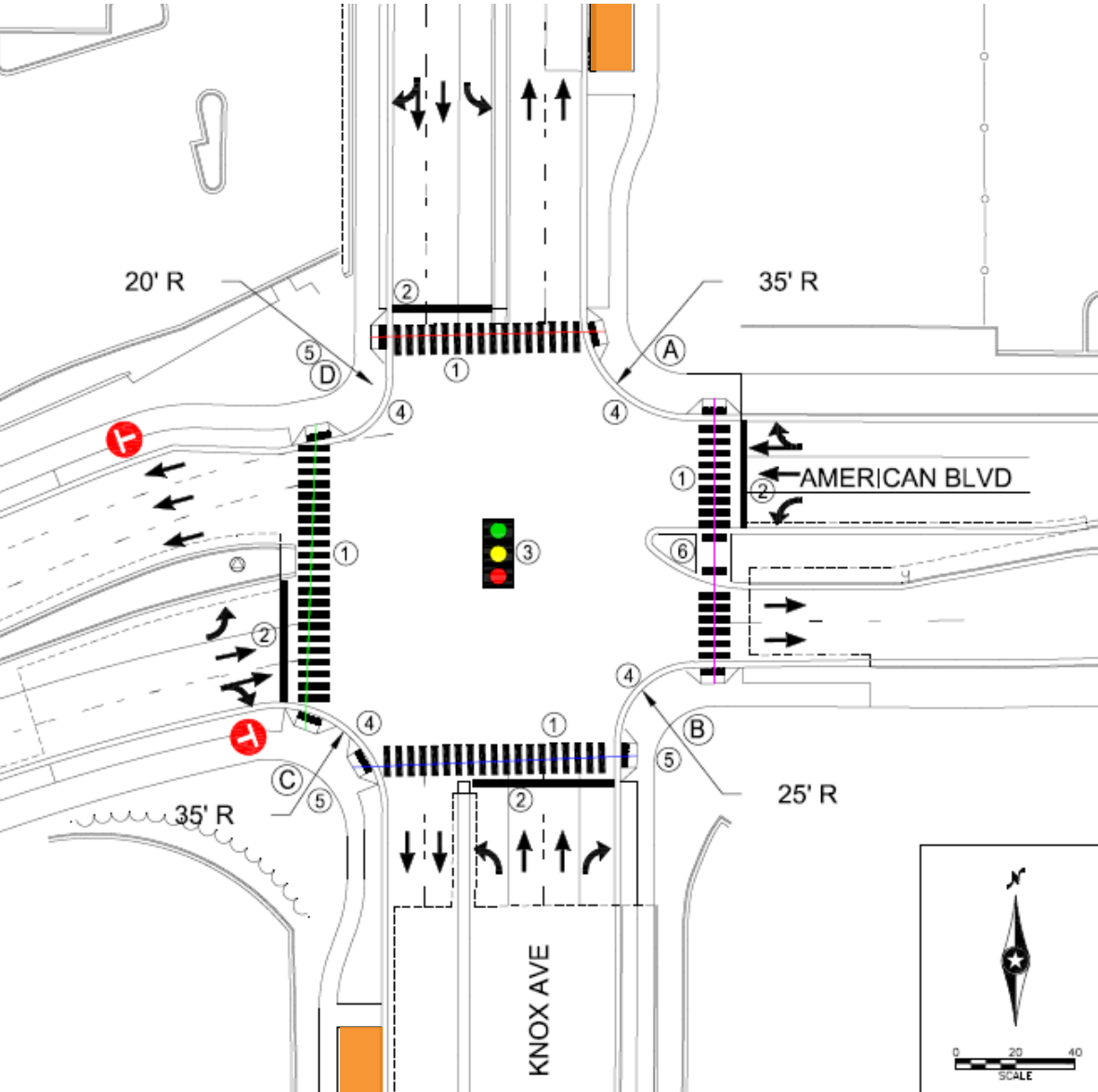
American & Knox Existing Design



CROSSING LENGTH	
A-B	136'
B-C	163'
C-D	173'
D-A	111'

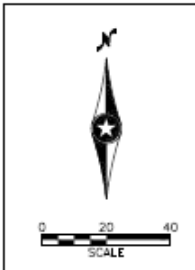


American & Knox Potential Redesign



CROSSING LENGTH	
A-B	= 96'
B-C	= 95'
C-D	= 88'
D-A	= 77'

GENERAL NOTES	
①	10' CROSSWALK MARKINGS
②	ADVANCE STOP BAR
③	ACCESSIBLE PEDESTRIAN SIGNALS
④	TIGHTER CORNER RADII
⑤	OPPORTUNITY FOR CORNER PLAZA
⑥	MEDIAN REFUGE





98th Street Station





98th Street Station – Night View



Ongoing Coordination with City of Bloomington

- Knox & American Intersection Design
- Penn American Storm Sewer Improvement Project
- Penn American Phase III/Southbound American Boulevard Station platform design
- Potential collaboration on public art



Local Input Needed

- Station-specific renderings and descriptions will be posted for public comment on project website
- Looking for feedback on station design, layout, and amenities
- Outreach through Metro Transit social media
- On-board transit rider engagement on corridor routes and on-site at South Bloomington Transit Center and Burnsville Transit Station
- Engage on aesthetic treatments for Knox Avenue Transitway
- Evaluate design and function of pedestrian and bike accommodations





T METRO
Orange Line



Get more information or sign-up for our e-newsletter at
www.metrotransit.org/orangeline

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