

# Orange Line Design and Engineering Update

June 1, 2016

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Metro Transit

BRT/Small Starts Project Office



# Orange Line Overview

- 17-mile transitway from DT Minneapolis to Burnsville
- 12 Stations
- All-day, frequent service 7 days a week
- Full set of station amenities like on LRT
- Expected to open in late 2019
- Lake Street Station design and engineering continues



# Progress Report

- Last TAAC presentation 10/7/2015
- Awarded Design + Engineering Contract to HNTB in Jan. 2016
- Changed proposed Downtown Station Locations
- Bus-only flyover from Downtown to freeway is now in scope
- Lake Street Station design and engineering coordination continues with MnDOT/County/City
- Draft Station Design Concepts

## Design Schedule

### Design of 35W Lake St Station

- Currently at 60%
- 90% Q4 2016
- 100% Q1 2017

### Other Orange Line Design

- 30% Q3 2016
- 60% Q4 2016
- 100% mid-2017

## Construction Schedule

Orange Line Lake Street  
/MnDOT work  
2018-2020\*

Other Orange Line  
Stations 2018-2019

Revenue Service  
2019/2020\*

# Station Components

Real-time signage



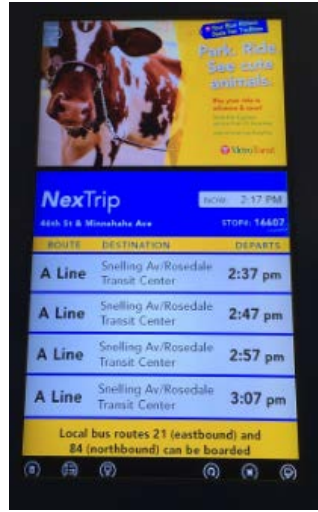
Heaters



Materials



Pylon

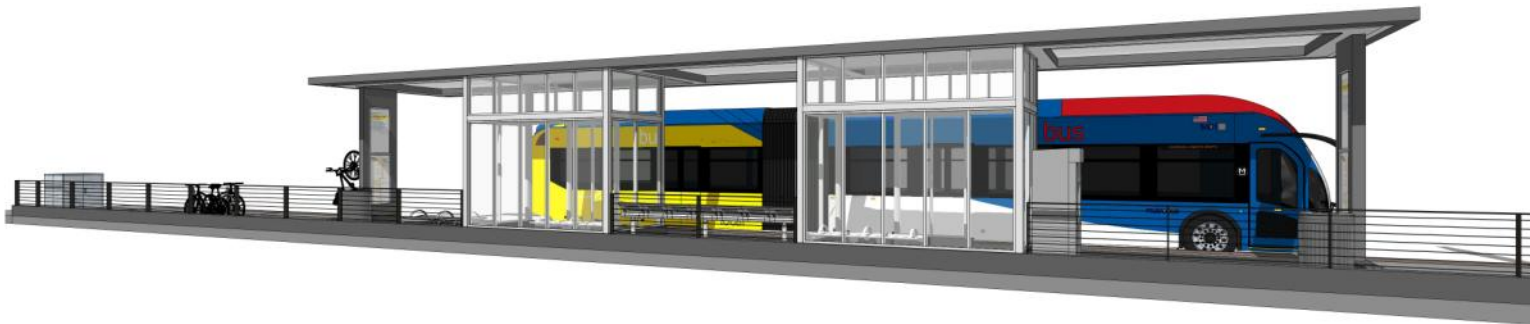
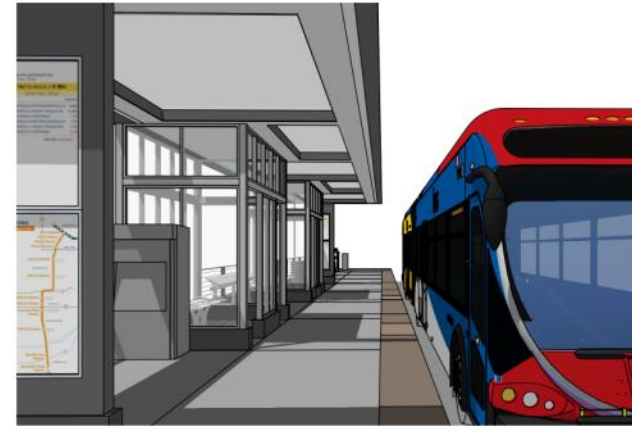
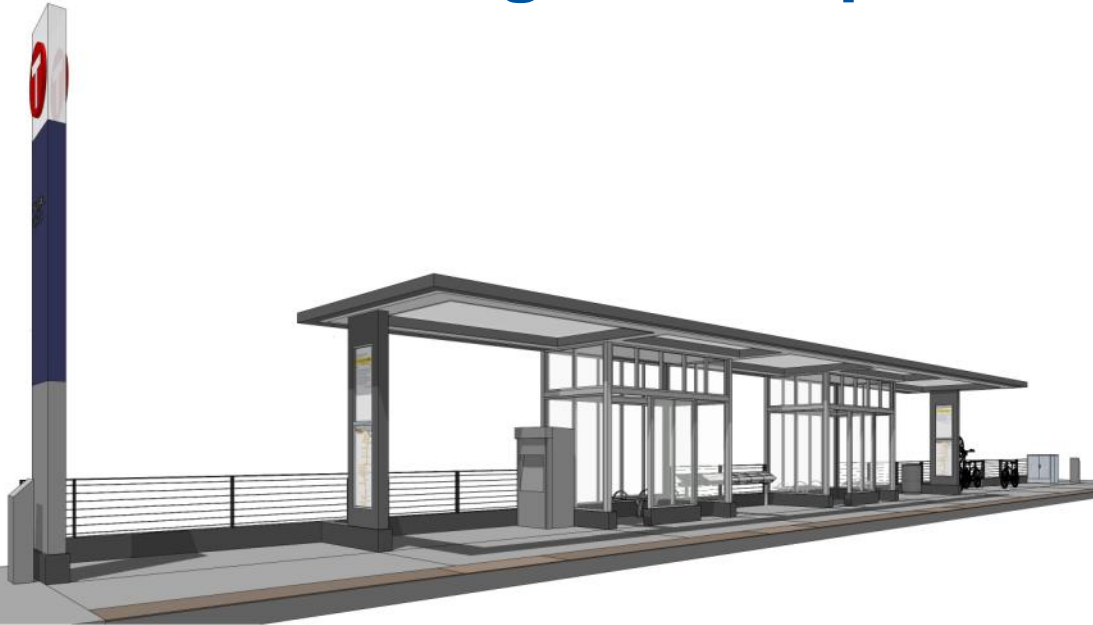


LED Lighting



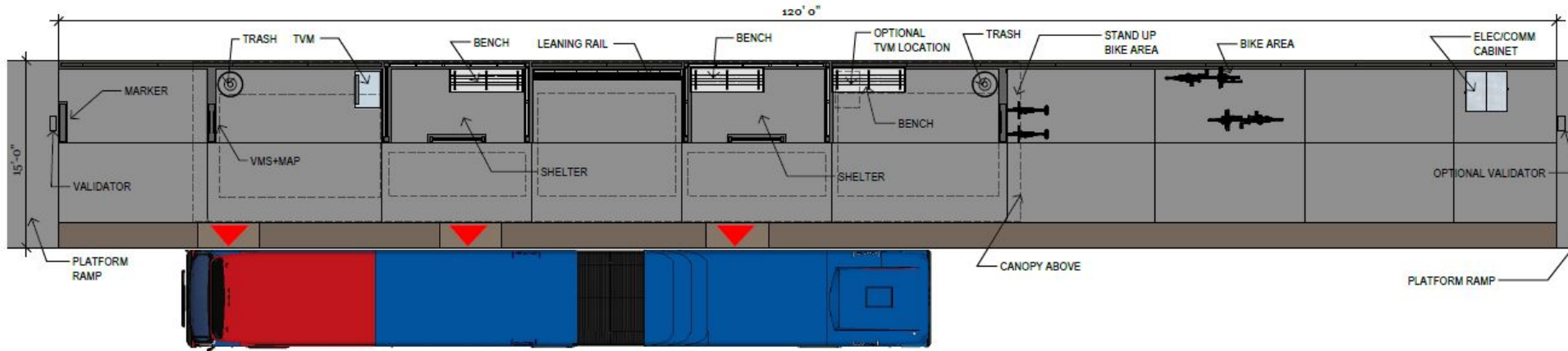
Ticket vending machines

# Station Design Concepts

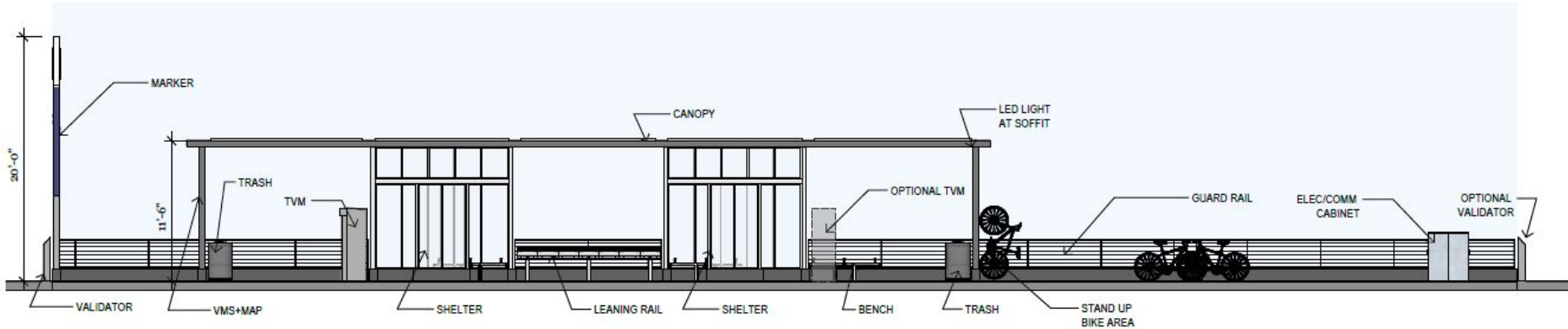




# Station Design Concepts



PLAN 1/8" = 1'-0"



ELEVATION 1/8" = 1'-0"

# Station Input needed

## Environment

- Landscaping, approach to public art, pedestrian-level and station lighting

## Station amenities

- Bike parking
- Location of ticket machines, signage, and real-time information
- Location, height, and function of pylon

## Connections & transfers

- Location & facilities at connecting bus stops, off-platform wayfinding
- Pedestrian paths and connection to trails

## Sightlines & visibility

- Security features (cameras, call boxes)



# Upcoming Work

- 30% Design – August 31<sup>st</sup>, 2016
  - Site-Specific Station Design Concepts
  - Design Concepts for
    - Knox Avenue Transitway
    - Downtown “Flyover”
    - Burnsville Parkway On-Ramp Bypass
- Continued Coordination with MnDOT/County/City on Lake Street Station
- Public Meeting in Burnsville, June 15<sup>th</sup> at Burnsville Transit Station