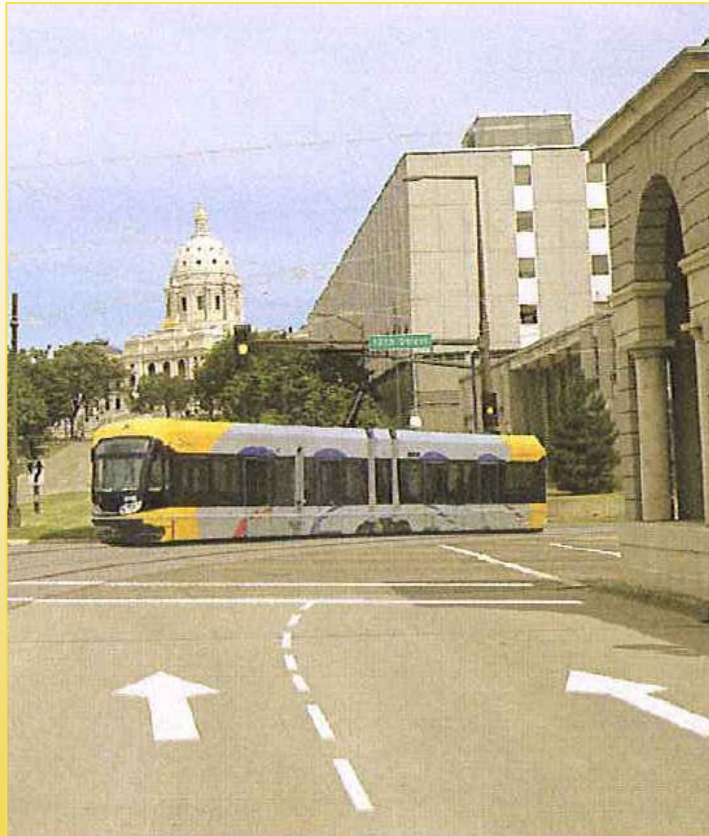


# Central Corridor Light Rail Transit

Capitol Area Architectural  
and Planning Board

January 17, 2008



*Improving  
mobility*

*Easing  
congestion*

*Strengthening  
our communities*

# Today's Agenda



- Project Overview
- CAAPB Area Changes
  - Alignment and profile
  - Station location and layout
- Recommended Action
- Next Steps

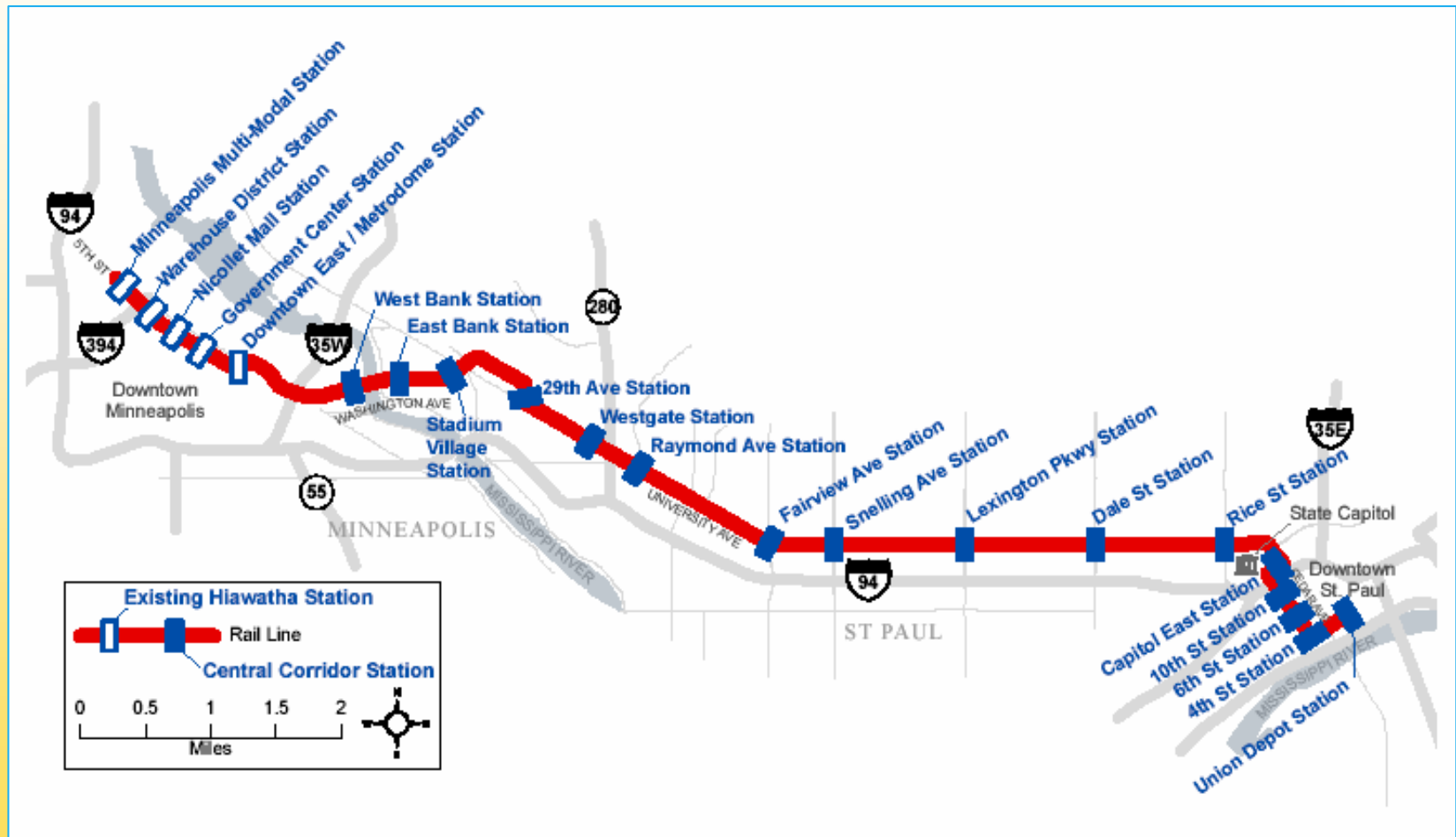
## Central Corridor **Light Rail Transit**



## Project Overview

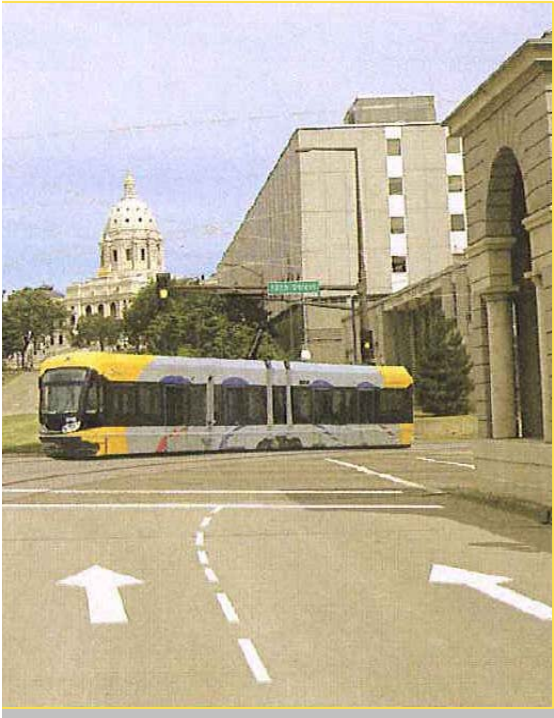
## Central Corridor Light Rail Transit

## Route



Alignment and stations as shown in the Draft Environmental Impact Statement dated April 3, 2006

## Central Corridor Light Rail Transit



## Timeline

Complete

Prepare DEIS; select alignment & mode

2007

Enter Preliminary Engineering (PE)

2008

Finalize alignment and scope

2009

Enter final design

2010

Begin construction

2014

Start operation

# Preliminary Engineering (PE)



- Complete plan to 30% detail
- Supports completion of Final Environmental Impact Statement
- Refines cost estimate
- Informs several key scope decisions
- Satisfies federal Cost Effectiveness Index (CEI)

## Central Corridor Light Rail Transit

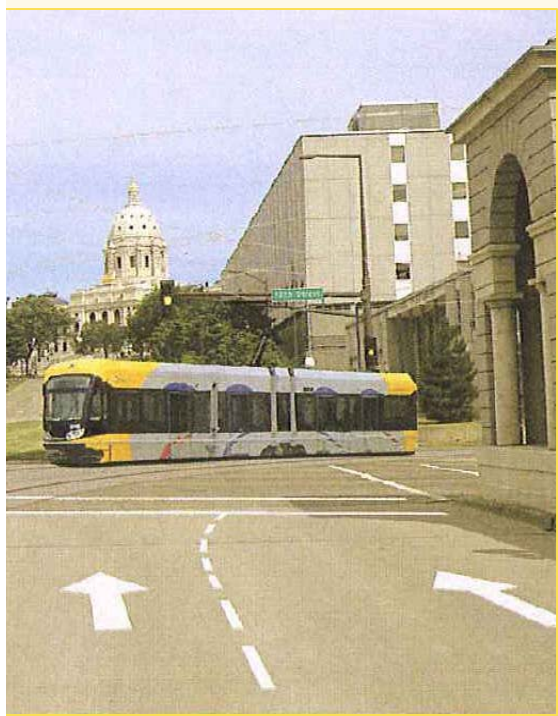
# FTA Cost Effectiveness Index



$$\text{CEI} = \frac{\text{Annualized capital and operating costs}}{\text{Annual travel time savings}}$$

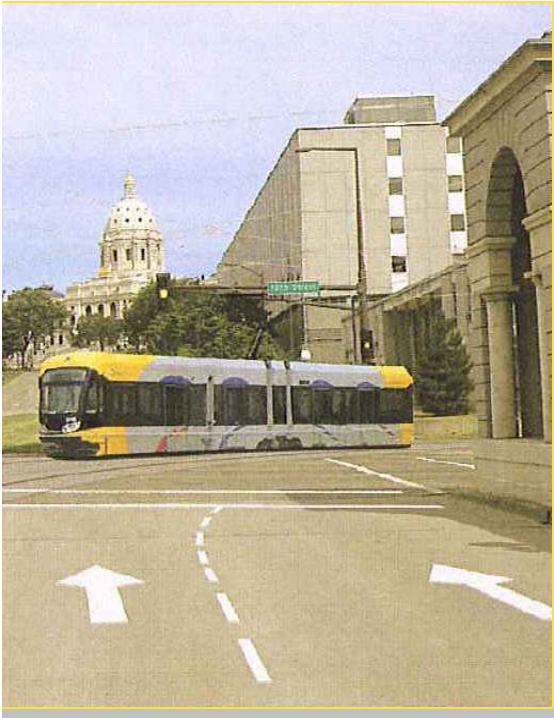
## Central Corridor Light Rail Transit

# Comparison of Current Estimates and Goals



	<u>Current</u>	<u>Goal</u>
Cost	\$990M	$\leq$ \$840M
CEI	\$26.05	$\leq$ \$23.99

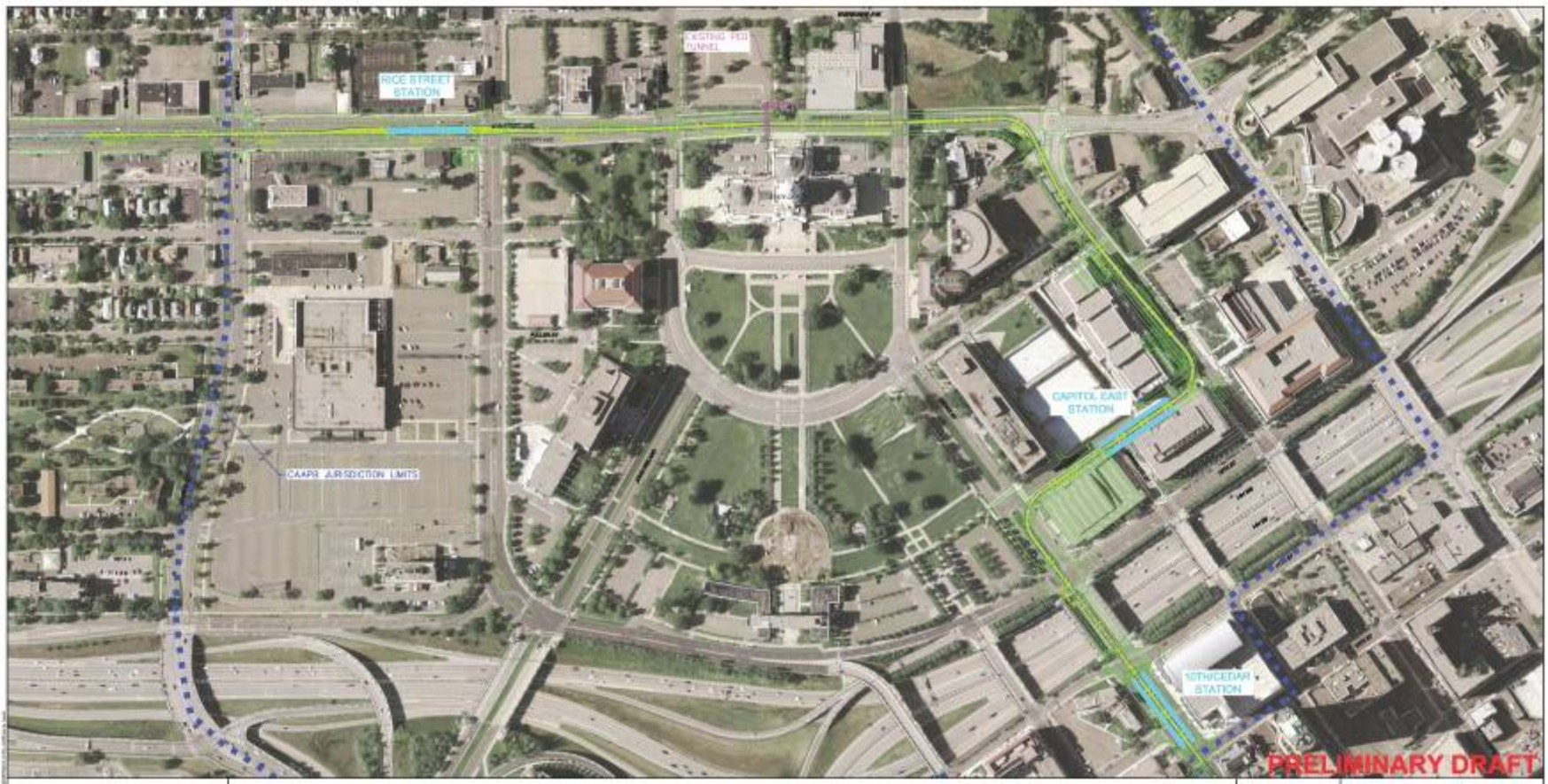
## Central Corridor **Light Rail Transit**



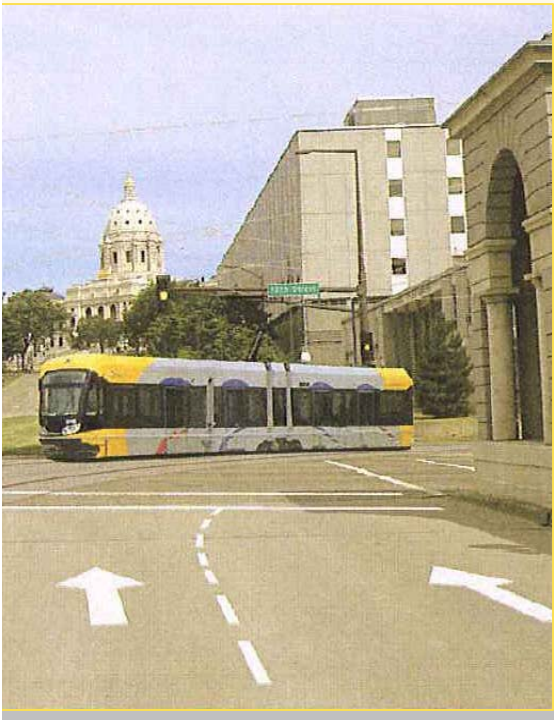
## CAAPB Area Changes

## Central Corridor Light Rail Transit

# DEIS Alignment and Station Locations



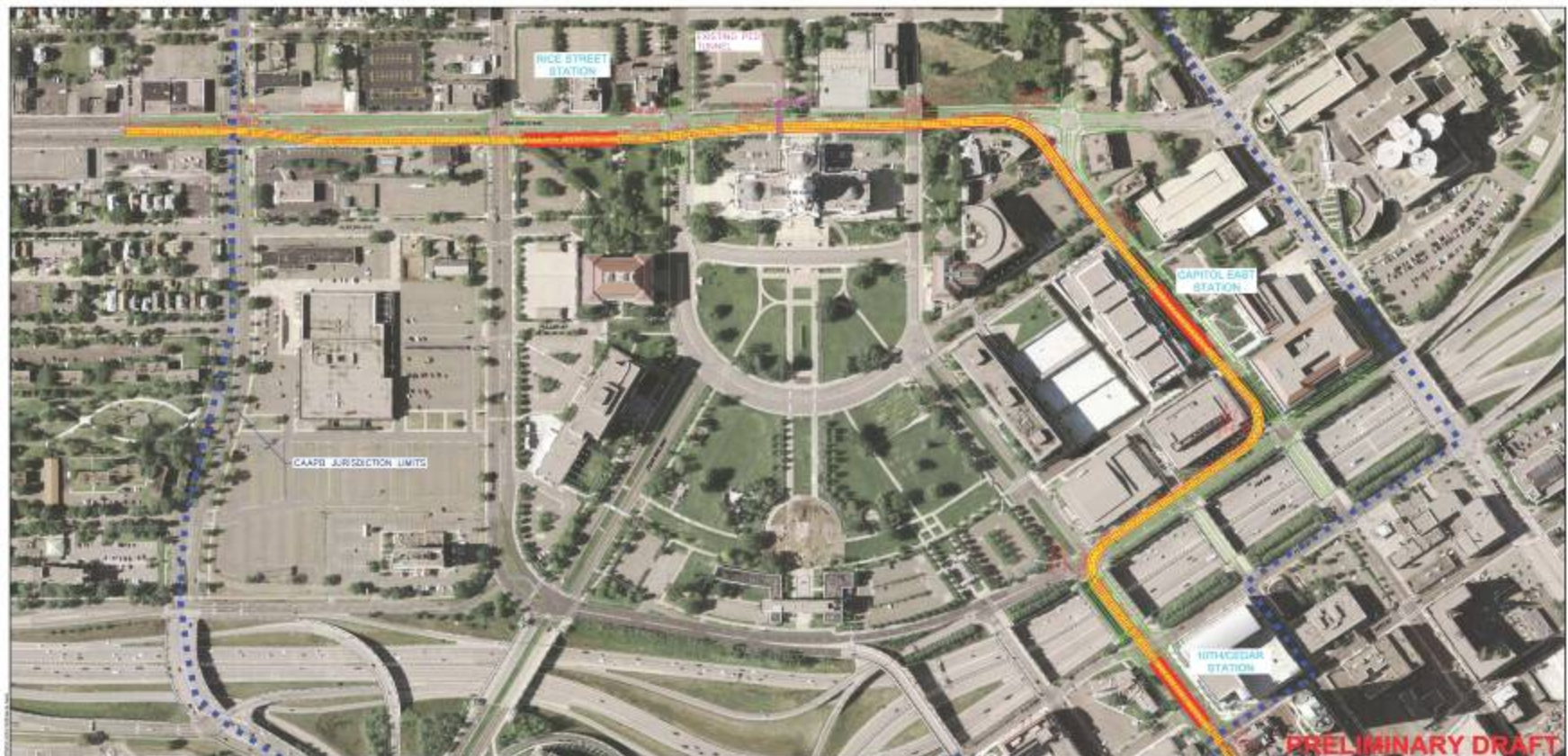
## DEIS Design Issues



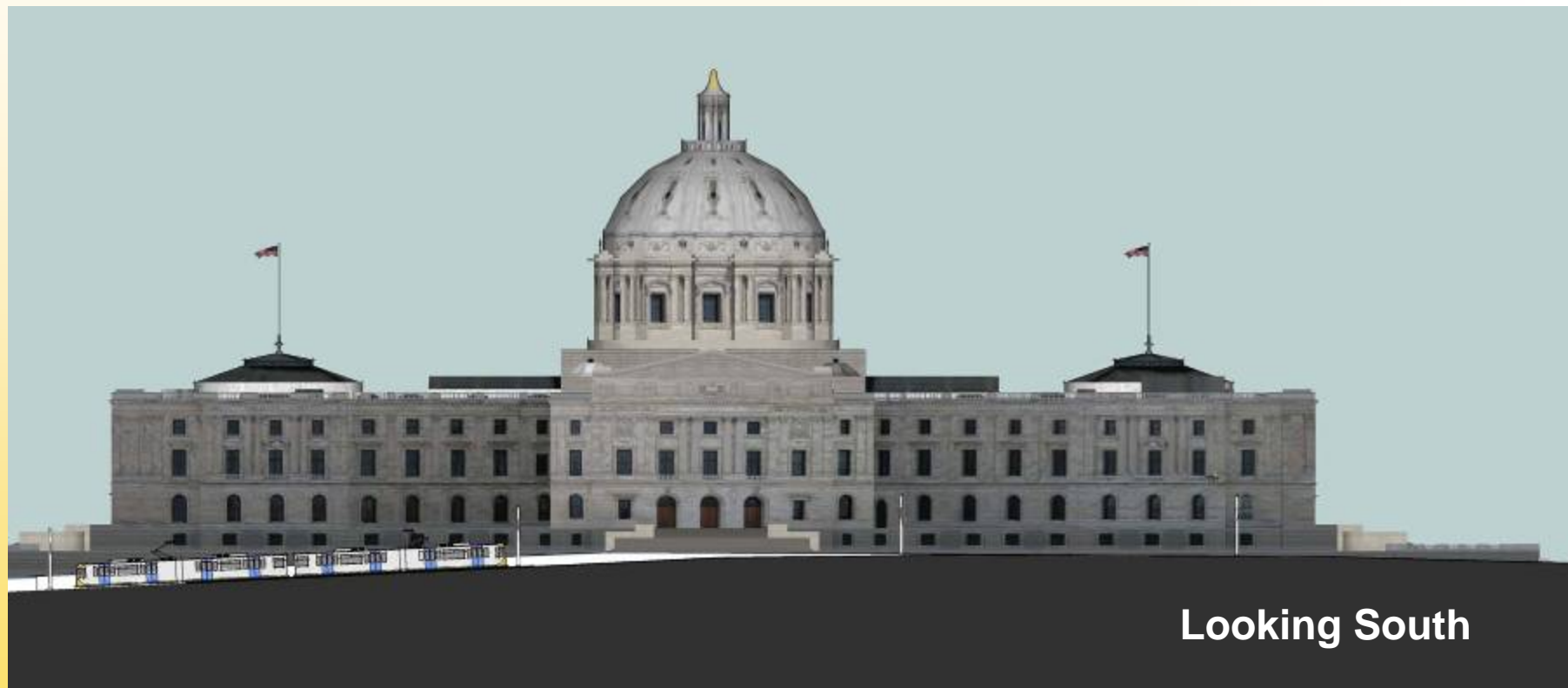
- University Avenue and Robert Street
  - Steep grade near the Capitol
  - Center alignment
- Traffic operations
- Alignment on Columbus
- Vibration
- Rice Street Station location
  - Right-of-way impacts in SW corner of intersection
- Capitol East Station location

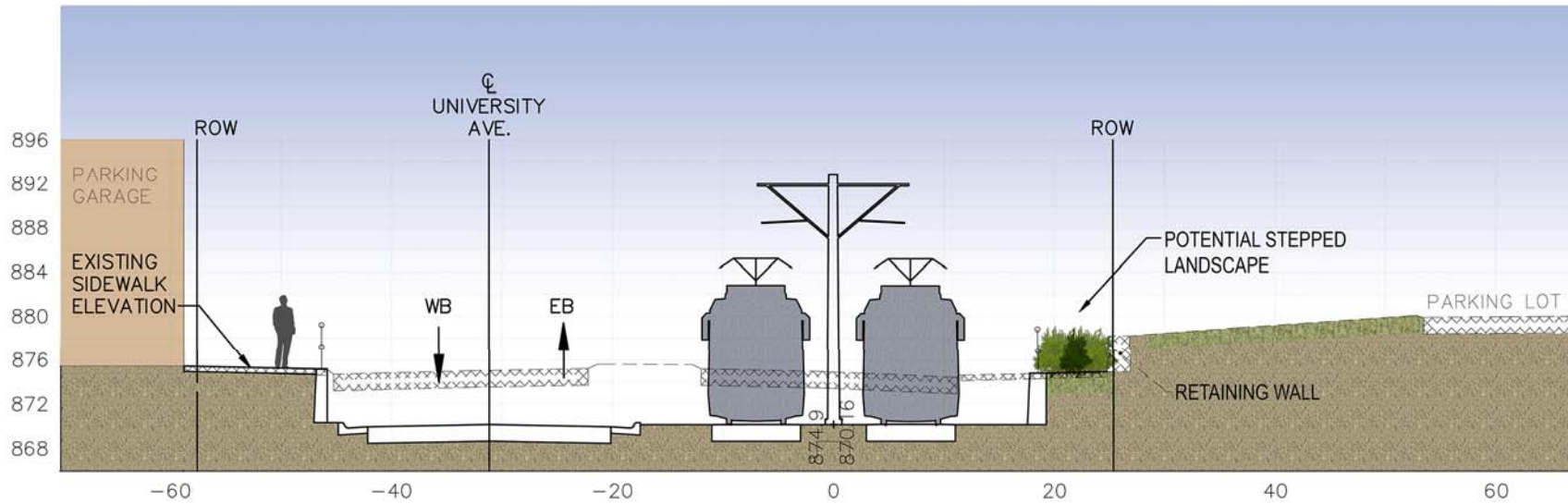
## Central Corridor Light Rail Transit

# Proposed Alignment

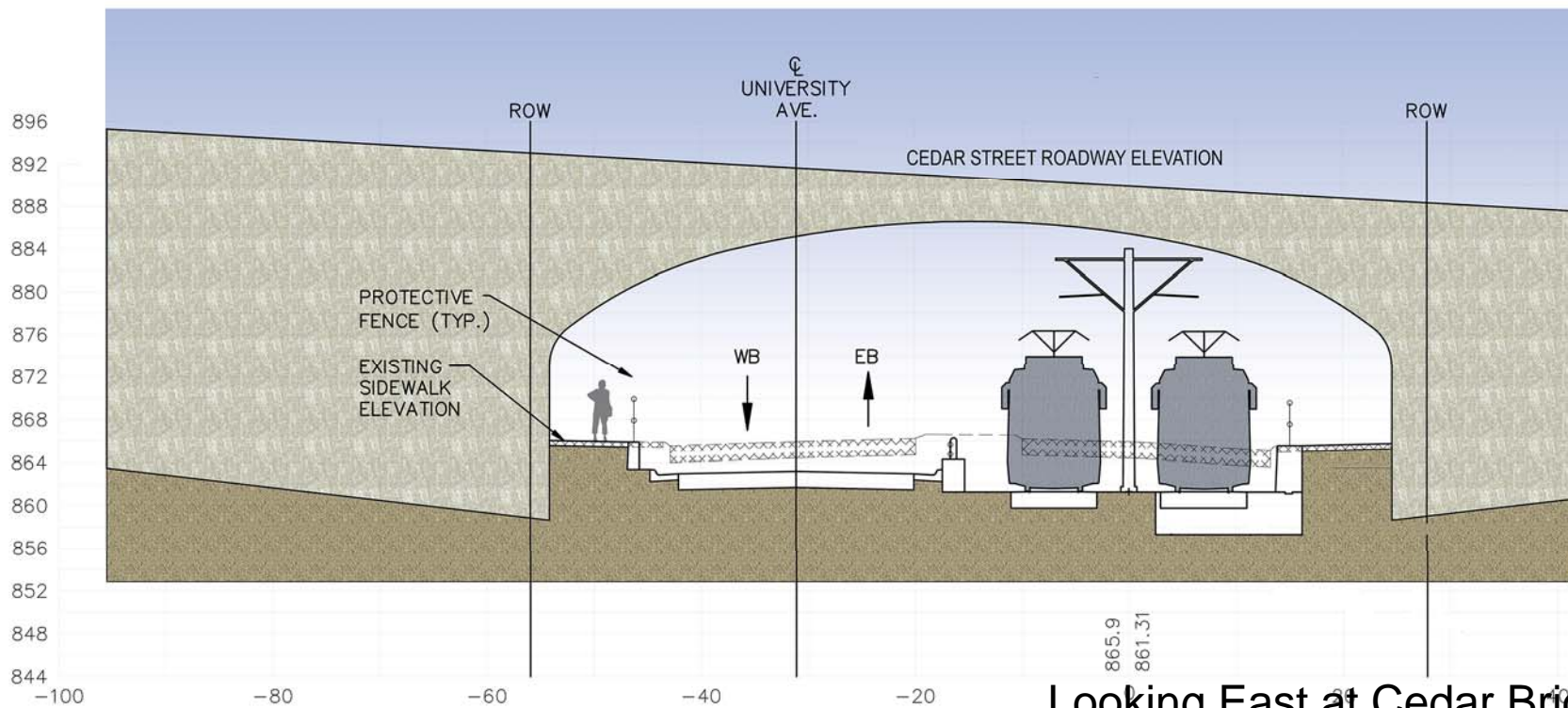


# University Avenue Profile





Looking East at Admin Parking Ramp



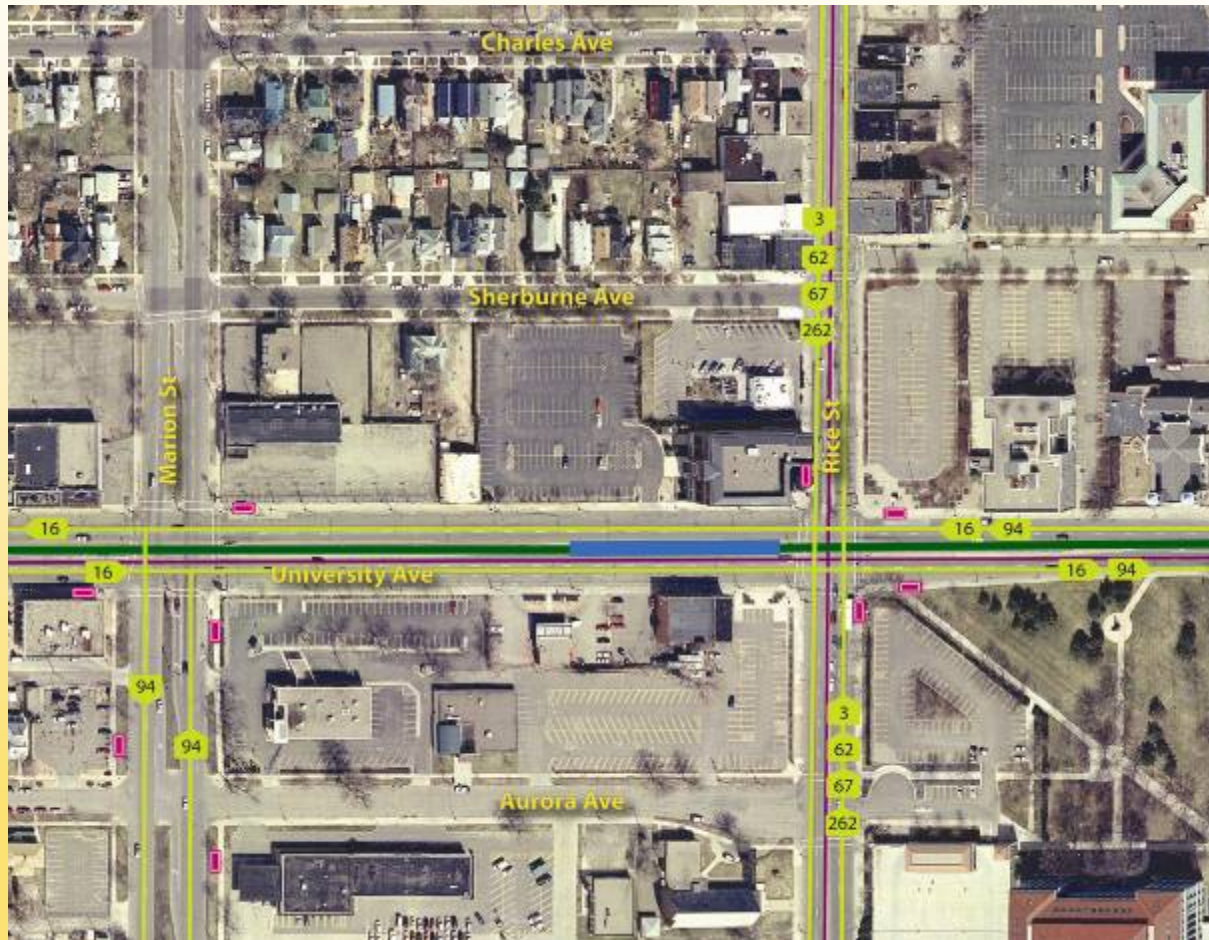
Looking East at Cedar Bridge

# Alignment and Profile Design Solutions



- Transition from center running to side running east of Marion
- Shallow cut beginning east of MLK Blvd.
- Move alignment to 12<sup>th</sup> Street
- State located sensitive equipment away from track alignment

# Rice Street Station DEIS



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# Rice Street Station Proposed



# Rice Street Station Design Solutions



- Station south side of University Avenue, east of Rice Street
  - North/South bus connections of the 3, 62, 262 and others
  - Adjacent to green space makes nice amenity/Ability to use capitol grounds
  - 17,000 employees at station area (includes state offices)
  - Better accommodates alignment transition
  - Reduces right-of-way impact in SW quadrant

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# Capitol East Station DEIS

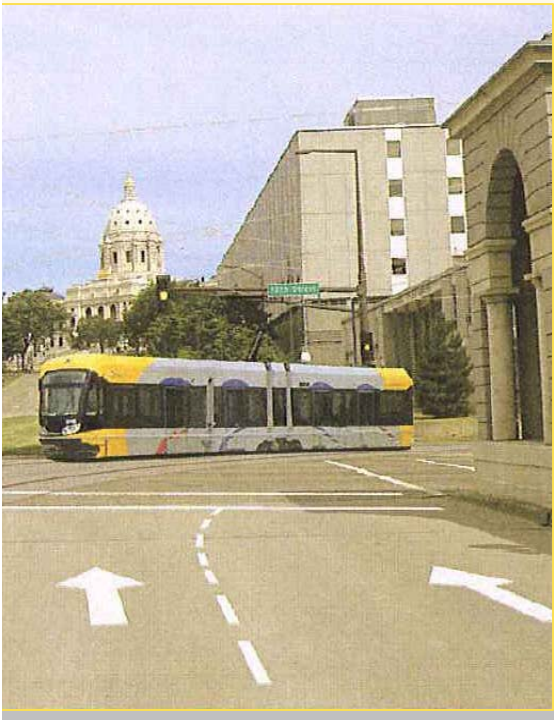


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# Capitol East Station Proposed



# Capitol East Station Design Solutions



- Capitol East Station moved to Robert Street
  - Area was planned for eventual LRT station
  - Station location compatible with Capitol Area development

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# 10<sup>th</sup> Street Station Same as DEIS



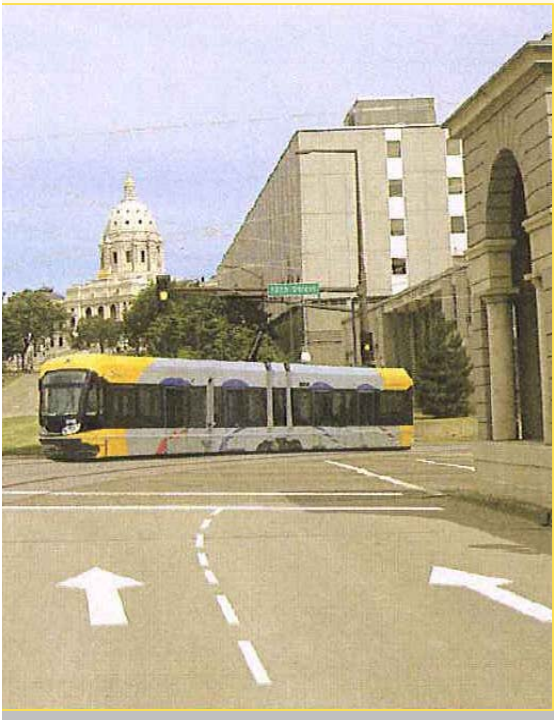
## Central Corridor Light Rail Transit



## Recommended Action

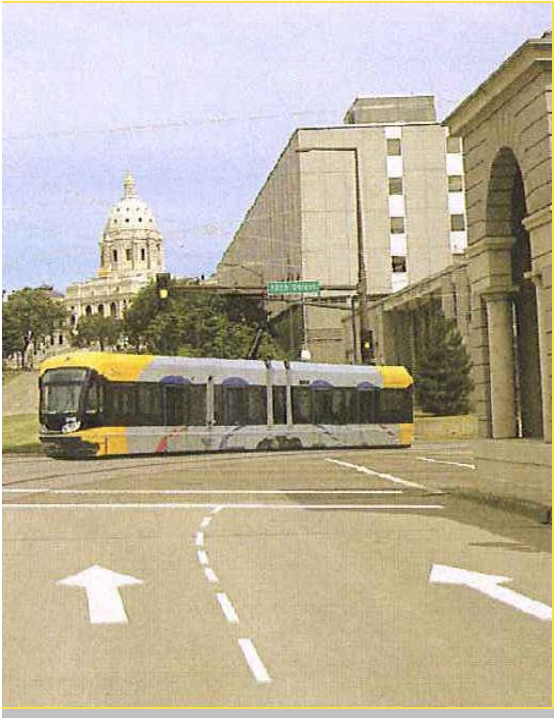
Approve preliminary plans for:

## Recommended Action



- Track alignment & profile
  - Transition from center running on University Avenue @ Marion Street to south side running
  - West side running on Robert Street and north side running on 12<sup>th</sup> Street
  - Lowered track profile from north of Capitol, moving eastward on University, Ave. along Robert St. to MLK Blvd.
- Station location & configuration
  - Rice Street Station
  - Capitol East Station
  - 10<sup>th</sup> Street Station

## Central Corridor Light Rail Transit



## Next Steps

Feb. 2008

Met Council  
approves final  
alignment and  
scope

July 2008

CAAPB approves  
PE station design  
plans

## Central Corridor Light Rail Transit

## More Information

Check out our website

[www.centralcorridor.org](http://www.centralcorridor.org)

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