

*Jersey Cutoff Bridge - December 2012*

# RTD Denver Eagle P3 Project Charlotte Area Transit System

Brian Middleton, Eagle P3 Project Director

Mar. 4, 2013

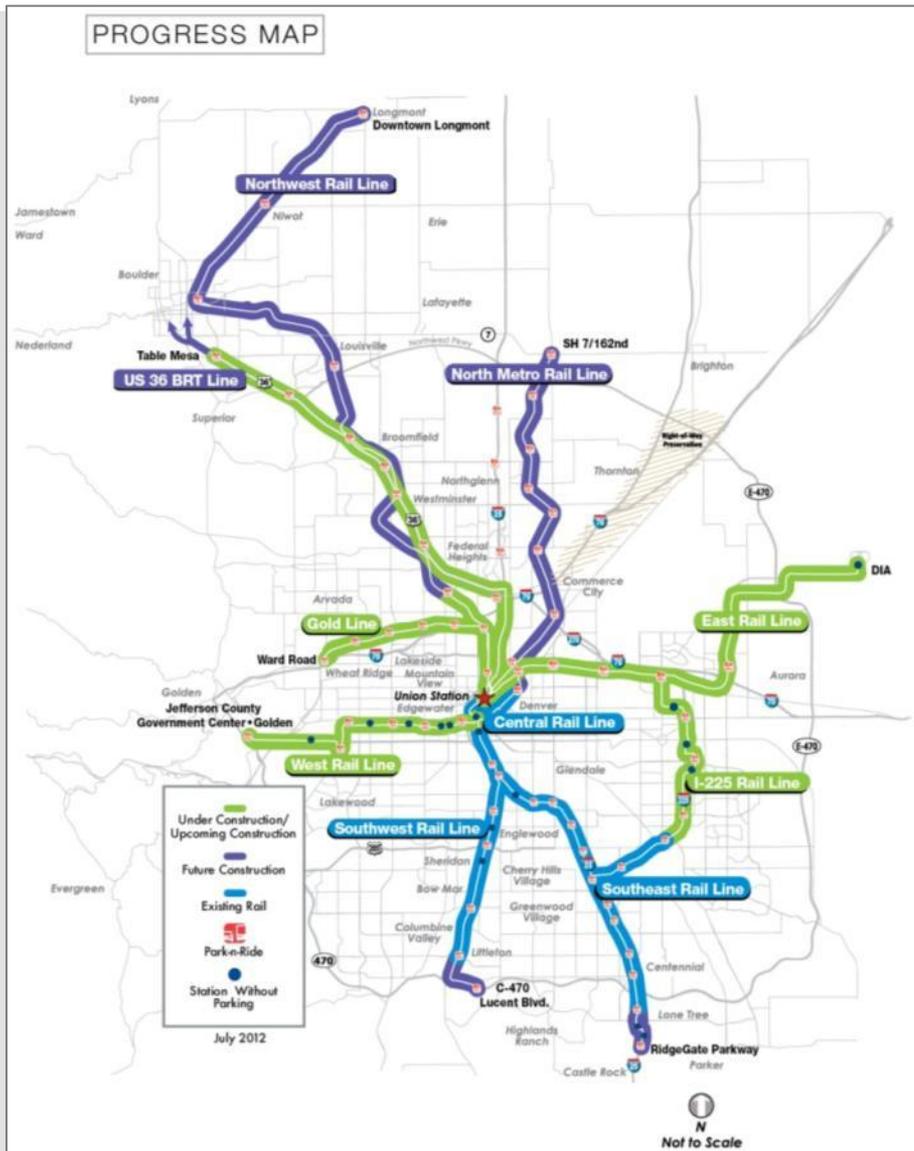
# Today's Agenda

- Project Scope
- Public Private Partnership
- Why P3?
- Project Update
- Construction Progress
- Rolling Stock
- Workforce Initiative Now (WIN)
- Questions



*Construction worker at Tower Road bridge – December 2012*

# RTD Denver FasTracks Program



## FasTracks At a Glance

- 122 miles of new light rail and commuter rail
- 18 miles of Bus Rapid Transit (BRT) service
- 31 new park-n-Rides; over 21,000 new spaces
- Redevelopment of Denver Union Station

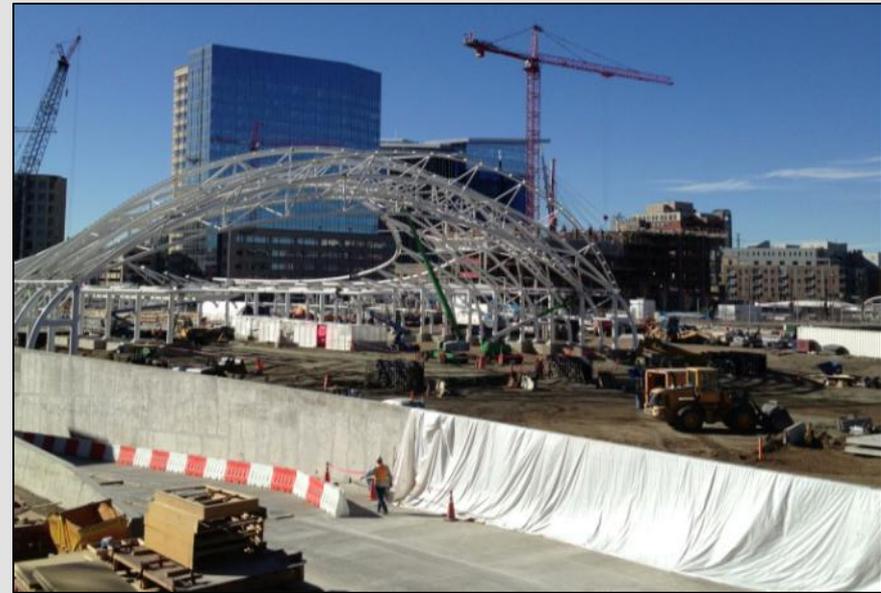
# Eagle P3 Project



- East Rail Line offers 35-minute travel time to DIA
- Gold Line offers 25-minute travel time to Ward Road
- First segment of Northwest Rail: Station at 71<sup>st</sup>/Lowell (4 miles shared with Gold Line) offers 11-minute travel time to Westminster

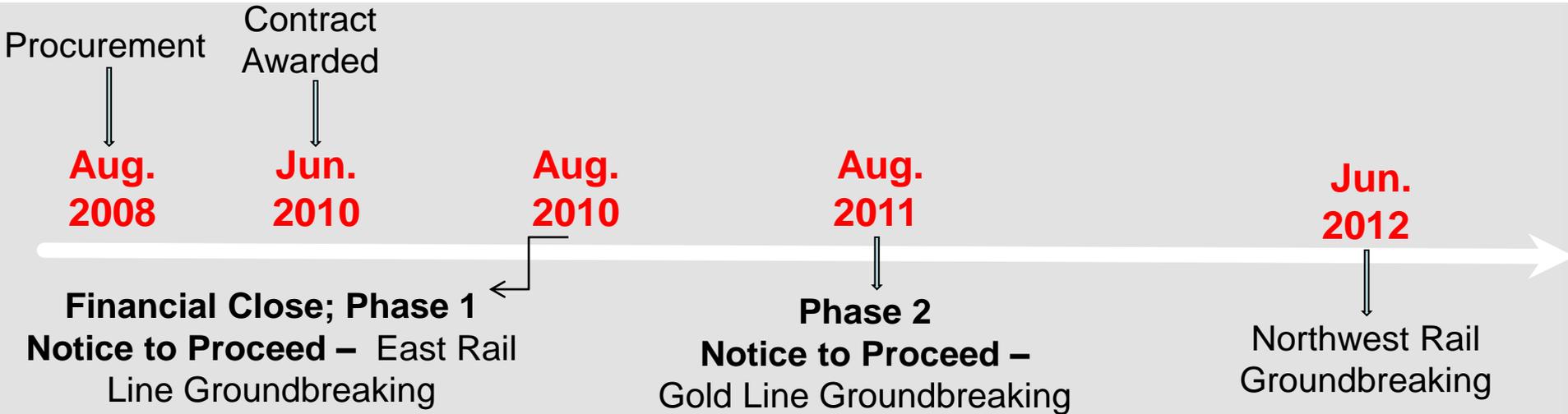
# Eagle P3 Project Scope

- 36 miles of new commuter rail
- 37 major bridge structures
- 14 new stations plus Denver Union Station hub
- Commuter Rail Maintenance Facility (CRMF)
- 50 cars in married pair configuration
- 29 at-grade crossings shared with Class 1 Railroads



Construction of canopy at Denver Union Station - January 2013

# Historical Milestones



# Future Milestones



**2013**

Major  
construction  
continues

**2014**

First  
vehicles  
arrive in  
Colorado

**2015**

Testing  
begins and  
completion  
of  
Commuter  
Rail  
Maintenance  
Facility

**2016**

Start of  
Revenue  
Service

Revenue Service →

# Eagle P3 Project Financing

## Project Capital Budget – \$2.2 billion

- FTA New Starts Full Funding Grant Agreement - \$1.03 billion
- Private Activity Bonds - \$396.1 million
- TIFIA loan - \$280.0 million
- Other federal grants - \$57.1 million
- RTD local funding - \$379.5 million
- Concessionaire equity - \$54.3 million
- Local/CDOT/other contributions - \$75.3 million



*Secretary Ray LaHood at FFGA ceremony August 2011*

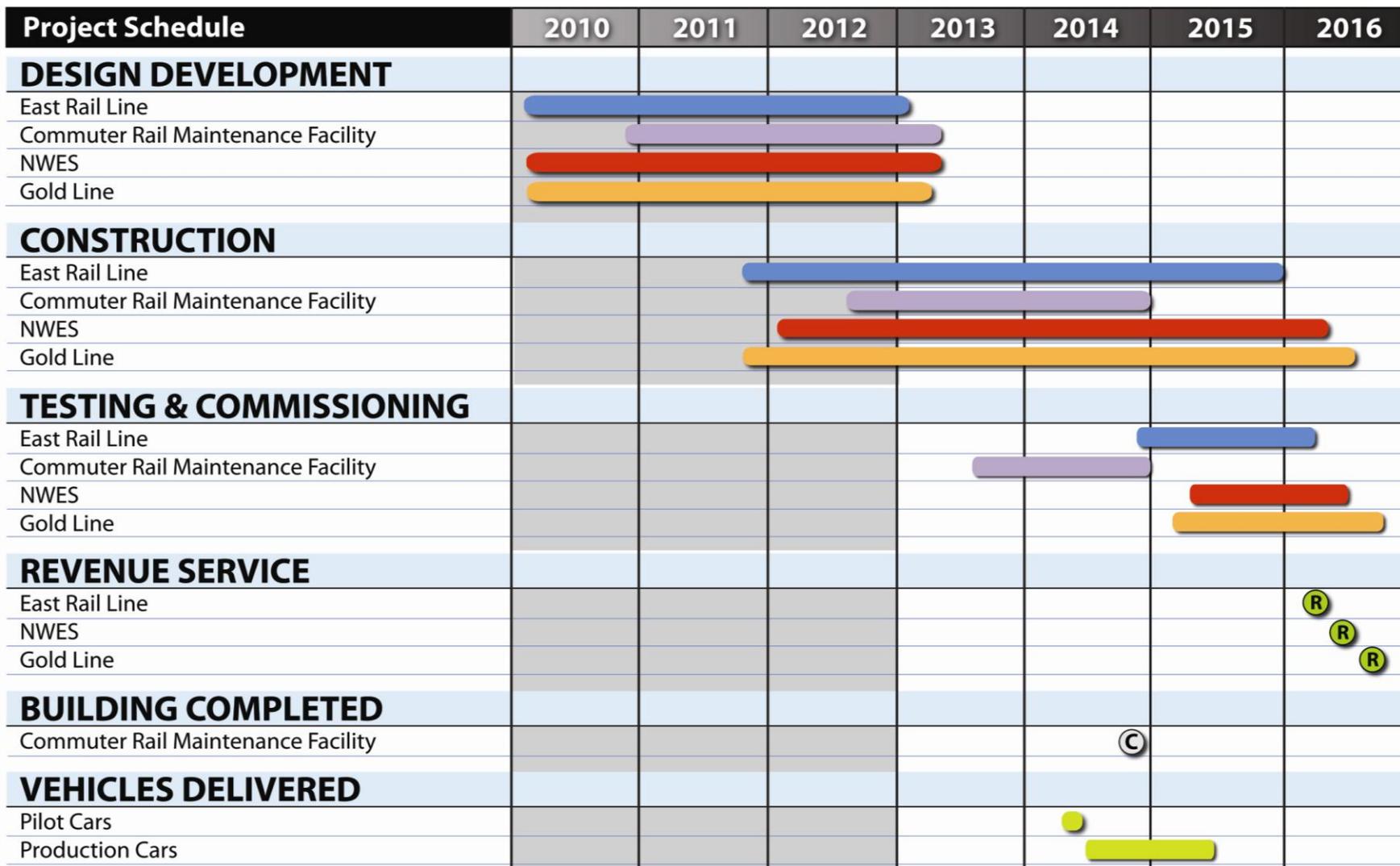
# Why P3?

- Project is part of FTA's Public-Private-Partnership-Pilot Program (Penta P) which allowed accelerated review
- Private funds not counted in qualifying for cost effective index
- Allowed RTD to spread the cost of the project over 35 years
- Let RTD to retain ownership of assets and set performance standards and service requirements
- RTD was able to keep in-house management oversight of the concessionaire's performance



*Construction worker at the Peoria Station platform – Fall 2012*

# Background: Schedule



[Bar] ACTIVITY Timeline

(R) START DATE - Revenue Service

(C) CRMF - Completed

# Current Project Status

- \$814 million invested to date
- Nearly \$191 million in commitments to 135 DBE/SBE companies
- 24 Workforce Initiative Now (WIN) candidates working on project
- 940 employees on the project
- 97% design completed
- All Intergovernmental Agreements with municipalities executed
- 70% of rail welded and on-site
- 21 bridges under construction



*Rail storage at Sand Creek yard – December 2012*

# Construction Progress – East Rail



*Setting girders for the Sand Creek bridge near the Stapleton neighborhood – November 2012*

# Construction Progress – East Rail



*Top: Construction of Peña bridge – December 2012*



*Right: Underpass close to DIA Jeppesen Terminal – Fall 2012*

# Construction Progress – Gold/NW



*Construction on South Platte River bridge – January 2013*



*Construction of Jersey Cutoff bridge – November 2012*

# Construction progress - CRMF



- The 228,000-sq. ft., four-level facility will house a staff of 240 employees and the projects controls
- CRMF will be a Leadership in Environmental & Engineering Design building

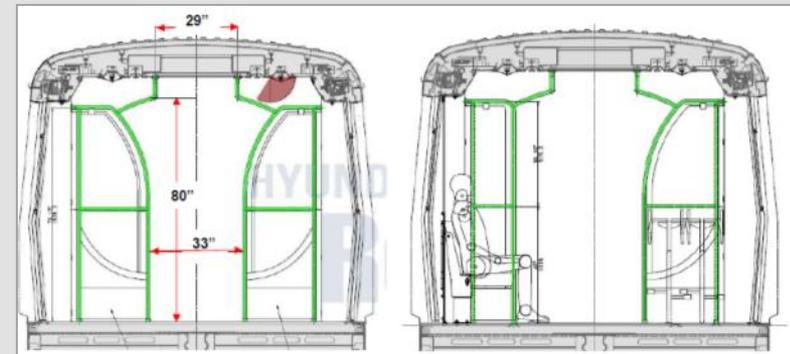
# Rolling Stock

Design of our rolling stock has been adapted to public input at 2011 mock-up display:

- Windscreen width shortened near ADA seating area to allow better maneuverability
- Ceiling handholds added in entry area
- Luggage storage reconfigured for better utilization of space
- Two types of bicycle securement
- Hand grips added between headrests



Chandra Hinton visiting mock up display – May 2011



Changes to windcreens

# Rolling Stock Progress

- Final design of vehicle completed
- 26 railcar body shells completed as scheduled
- Outfitting of the pilot car trucks and seats on target for completion by end March
- Testing of pilot cars (wire and pipe tests) in progress
- Production begins in Philadelphia in September
- Dynamic Testing to begin in May 2013



*Construction of commuter railcar body shells – February 2013*

# Workforce Initiative Now

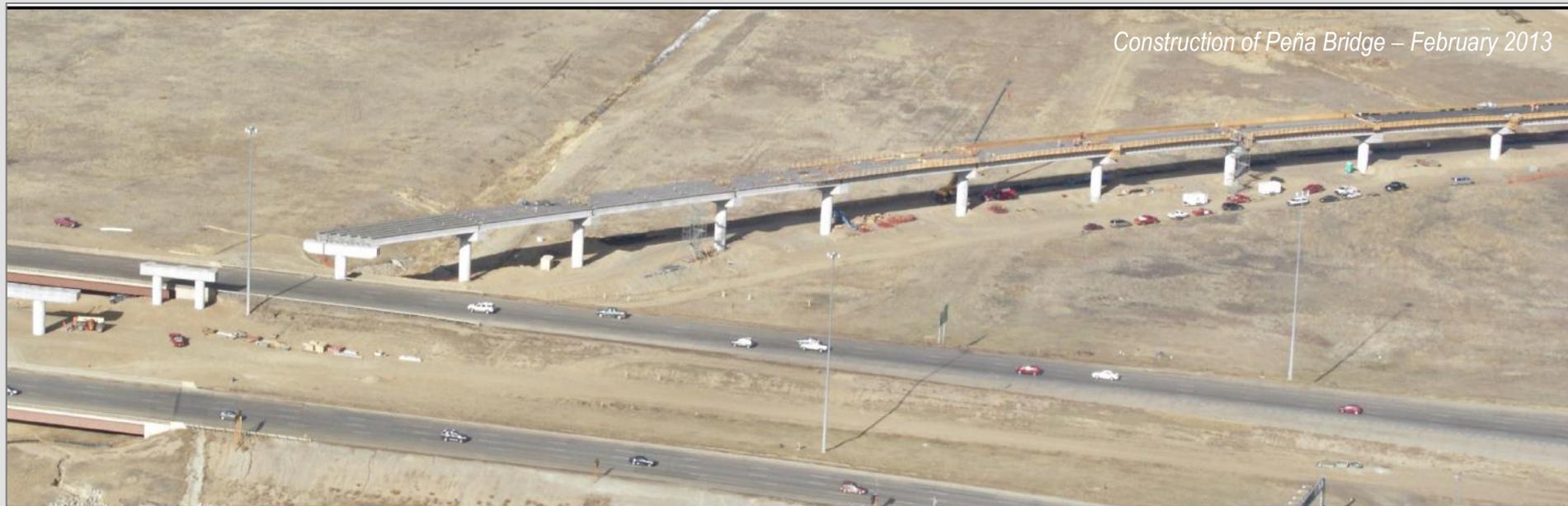
- 356 - People who have received career services training
- 73 – Total employees placed
- 60 – Employed on RTD FasTracks program
- 93% of WIN participants retained their position 90 days
- Average starting wage - \$16.75
- 44 local organizations joined WIN as resource and training partners



*Secretary LaHood speaks about workforce development, backed by Governor Hickenlooper, Mayor Hancock and General Manager Washington and FasTracks project workers*

# Questions?

*Construction of Peña Bridge – February 2013*



For more information on RTD's Eagle P3 Project please visit  
[http://www.rtd-fastracks.com/ep3\\_2](http://www.rtd-fastracks.com/ep3_2)