



#### **RID** FasTracks

# **FasTracks Status**

- 64 miles of new rail line currently complete or under contract (\$5 billion)
- Environmental processes complete
- Light rail maintenance facility, light rail vehicle purchases, platform extensions, power upgrades and other enhancements to the existing system also complete
- Moving forward with committed projects and maximizing funding opportunities

3





TD PROJ	ECT HISTOR	Y	RID FasTrack
Corridor Project	Delivery Method	Cost (millions)	Opening Date
Central Corridor	5.3 Mile – Design-Bid-Build	\$117 million	September 1994
Southwest Corridor	8.6 Mile – Design-Bid-Build	\$180 million	July 2000
Central Platte Valley	1.8 Mile - Design-Bid-Build	\$48 million	April 2002
Southeast Corridor – T-REX	19.2 Mile – Design-Build; Multi-Modal Project with CDOT	\$1.7 billion (LRT - \$900 million)	November 2006

asTrack	ks Summar	v Sta	tus	
Corridor Project	Description/Delivery	Cost	Opening	Delivery Status
	Method	(millions)	Date	
West Rail	12.1 Mile Light Rail/ Construction Manager General Contractor	\$707	April 2013	Opened April 26, 2013 on budget, ahead of schedule
Denver Union Station	Multimodal Terminal/ Design Build	\$500	May 2014	Under construction - 80% Complete
US 36 – Phase I	11 Mile Bus Rapid/ Transit/Managed Lane with CDOT Design Build	\$312	January 2015	Under Construction – 19% Complete
US36 – Phase II	5 Mile Bus Rapid Transit/Managed Lane with CDOT/ Design Build/PPP	\$109	End of 2015	Awarded – Final Close Summer 2013
Eagle P3	36 Mile Electrified Commuter Rail/ Design Build Operate Maintain/PPP	\$2,100	Through 2016	Under Construction – 37% Complete
1-225	10.5 Mile Light Rail/ Design Build	\$687	Spring 2016	In final design; Construction started
North Metro	18.5 mile Electrified Commuter Rail (5.8 Miles to 72 <sup>nd</sup> Avenue//Received unsolicited design build proposal	\$180 (funded)	2017	Segment One to 72 <sup>nd</sup> Avenue in Final Design on hold pending unsolicited proposal and RFP (July 2013)
Southeast Extension	2.3 Miles/ TBD	\$205	TBD	In New Starts (entry to PE)

#### **RID** FasTracks

## **Design-Bid-Build**

- Works well when owner wants control over design (e.g. Elati Maintenance Facility), risks are unknown until more advanced design can be done or when challenging stakeholder issues exist
- Takes more time in the schedule
- Limits innovation from the private sector
- More change orders (owner has risk for design) and more contentious relationships between owner and contractor

### **RID FasTracks** Construction Manager General Contractor

- Contractor is bought in early when design is proceeding
- Contractor provides constructability and value engineering input during design
- A final guaranteed maximum price (GMP) is negotiated
- Owner has control and risk for design although contractor involvement during design can limit that risk
- Requires strong cooperation of design firm, owner and contractor
- Negotiated GMP limits competitive pricing and will impact schedule if negotiations are not successful













