

# **Construction Project Briefing**

**November 14, 2012**



# Today's Presentation

- Loop Track
- Purple Line Viaducts
- North Red Line Stations



# Project Title: Loop Track Renewal Project

## Managing Department: Power & Way Construction

Justification of Need:	The existing track system and the components are beyond their useful life.
Priority of Project:	High
Total Project Budget:	\$53,026,306
Construction Contract Value:	\$34,545,713.56
Earned to Date:	\$13.4M
Percent Change Orders to Construction Contract:	2.2%
Percent Time Used to Date:	83% for Milestone A-1 (all work outside Tower 18 Junction at Wells and Lake), 65% for Milestone A-2 (Tower 18 Junction at Wells and Lake)
Funding Source:	2010 State Capital Program
Estimated Start Date/Estimated Length of Project:	NTP issued September 14, 2011, Milestone A-1: 476 days to Substantial Completion, Milestone A-2 (Tower 18): 609 days to Substantial Completion
Project Manager:	Barney Gray (GM); Grace Ohs (PM)

- Detailed Overview of Scope:**
- The project consists of renewal of track on the Wells/Van Buren legs of the Loop, including Tower 18 and Tower 12 Junctions, and Hubbard Curve on the Brown Line.
  - New components shall include ties, running rail, rail fasteners, guard rail, restraining rail, other track material, contact rail, contact rail insulators and anchors, footwalk, track access stairs, control panels, switch machines, rail lubricators, traction power and signal cabling.
  - Special Track Work includes Tower 12 Junction, Tower 18 Junction, new double crossover near Washington/Wells and replacement of Left Hand & Right Hand crossovers near Adams/Wabash.



# Project Title: Loop Track Renewal Project

## Managing Department: Power & Way Construction

Impact on Customers:	16 Weekend line cuts and reroutes. 14 Nightly single tracks and reroutes.
Benefit to System:	Reduced maintenance costs, improved headways for revenue service, and improved safety.
Benefit to Community:	Improved headways for revenue service and improved safety.
Impact on Accessibility:	None.
Estimated # of Jobs Created:	140
Customer Communication Need:	Construction Activity Notices will be needed to alert businesses and residents to weekend and night work. Station signage and Customer Assistants will be needed to direct customers during weekend and night work.

<b>Comparable Projects:</b>
<ul style="list-style-type: none"> <li>• Dearborn Track Renewal</li> <li>• Ravenswood and North Main Line Tie Renewal</li> <li>• Loop Signal Project (Track Renewal on Lake and Wabash)</li> </ul>



# Project Title: Loop Track Renewal Project

## Managing Department: Power & Way Construction

### Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none"><li>▪ Weekend #1 reroute was 4/20/2012-4/23/2012.</li><li>▪ Weekend #2 reroute was 5/11/2012-5/14/2012.</li><li>▪ Weekend #3 reroute was 6/1/2012-6/4/2012.</li><li>▪ Weekend #4 reroute was 6/15/2012-6/18/2012.</li><li>▪ Weekend #5 reroute was 6/29/2012-7/02/2012.</li><li>▪ Weekend #6 reroute was 7/20/2012-7/23/2012.</li><li>▪ Weekend #6.5 reroute was 8/10/2012-8/13/2012.</li><li>▪ Weekend #7 reroute was 8/24/2012-8/27/2012.</li><li>▪ Weekend #8 reroute was 9/7/12-9/10/12.</li><li>▪ Weekend #9 reroute was 9/21/12-9/23/12.</li><li>▪ Weekend #10 Line Cut was 9/28/12-10/1/12.</li><li>▪ Weekend #11 reroute was 10/12/12-10/15/12.</li><li>▪ Weekend #12 reroute is 10/26/12-10/29/12.</li><li>▪ Weekend #13 reroute is 11/2/12-11/5/12.</li></ul>	Ongoing

#### Delay Explanation:

- Change Order 1 extended the Substantial Completion Date from January 1, 2013 to May 15, 2013 for work at Tower 18. Tower 18 work will be coordinated with the line cuts for the CDOT Wells Street Bridge Project.



# Project Title: Loop Track Renewal Project

## Managing Department: Power & Way Construction



**Tower 12 South– Special Trackwork Installation**



# Project Title: Loop Track Renewal Project

## Managing Department: Power & Way Construction



**Tower 12 North– Completed Special Trackwork**



# Project Title: Purple Line Viaducts

## Managing Department: Facilities Construction

Justification of Need:	Existing deteriorated viaducts are past their useful life and require slow zones. Shoring towers exist in street and sidewalks under viaducts.
Priority of Project:	High
Total Project Budget:	\$15.3M
Construction Contract Value:	\$10.3M
Earned to Date:	\$9.8M
Percent Change Orders to Construction Contract:	3.5 %
Percent Time Used to Date:	71%
Funding Source:	2010 State Capital Program
Start Date/Length of Project:	NTP issued August 18, 2011; Substantial Completion: May 19, 2013
Project Manager:	John Titzer (GM/PM)

### Detailed Overview of Scope:

- Replacement of existing concrete viaducts at Greenleaf, Dempster, and Grove, with a new, longer steel bridge span. New bridge to include new ties, rail and ballast along with new drainage systems.
- New sidewalk, fencing, and landscaping at each viaduct.
- Replace 320 foot long timber retaining wall north of Greenleaf with new pre-cast concrete wall.
- Rehabilitation of existing retaining walls along Chicago Avenue, and adjacent to Greenleaf Viaduct (2,064 feet of wall repairs).



# Project Title: Purple Line Viaducts

## Managing Department: Facilities Construction

Impact on Customers:	During non-rush periods, reduced train speeds when workers are on the Right-of-Way. Bus Shuttles to replace rail service during weekend line cuts for bridge roll-ins (2).
Benefit to System:	Reduce Purple Line slow zones and upgrade aging infrastructure.
Benefit to Community:	Faster Purple Line service, improved traffic flow through viaduct, and improved aesthetics.
Impact on Accessibility:	N/A
Estimated # of Jobs Created:	40
Customer Communication Need:	<ul style="list-style-type: none"> <li>• Courtesy notifications to the local Evanston Alderman and community about the project.</li> </ul>

<b>Comparable Projects:</b>
<ul style="list-style-type: none"> <li>• Church and Main Street Viaduct Replacement Projects</li> </ul>



# Project Title: Purple Line Viaducts

## Managing Department: Facilities Construction

### Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none"> <li data-bbox="318 347 1497 586">▪ Sidewalk and curbs were poured in early October. Asphalt subcontractor began milling existing pavement and repaved streets and staging areas at all three viaduct locations the week of 10/8. Contractor placing additional fill on sides of existing embankments in preparation of landscaping. Touch up and conduit painting scheduled to be completed the week of 10/15.</li> <li data-bbox="318 636 1497 715">▪ Ornamental iron fencing and remaining chain link fencing is scheduled to be completed by the end of October.</li> <li data-bbox="318 765 1497 829">▪ Substantial Completion for Milestone A is scheduled for late October 2012</li> </ul>	<p data-bbox="1535 347 1671 382">Ongoing</p> <p data-bbox="1535 636 1702 672">Scheduled</p> <p data-bbox="1535 765 1702 801">Scheduled</p>
<b>Delay Explanation:</b>		
No current delays		



# Project Title: Purple Line Viaducts

## Managing Department: Facilities Construction



**Grove Street – Milling Existing Pavement / Painting Conduit**

# Project Title: North Red Line Stations

## Managing Department: Facilities Construction

Justification of Need:	Seven stations on the north branch of the Red Line require renovation.
Priority of Project:	High
Total Project Budget:	\$86 M
Construction Contract Value:	\$72.4M
Earned to Date:	\$37.4M (52%) ( thru end of September)
Percent Change Orders to Construction Contract:	26.4%
Percent Time Used to Date:	58% (thru end of September)
Funding Source:	FTA
Start Date/Length of Project:	NTP issue February 2012, Substantial Completion February 28, 2013
Project Manager:	Steven Mascheri (GM) Bill Polacek (PM)

- Detailed Overview of Scope:**
- Renovations of seven stations including Lawrence, Argyle, Berwyn, Thorndale, Granville, Morse, and Jarvis. Scope includes exterior and interior improvements, including tuck pointing and selected re-facing, new doors, windows, floors, walls, ceiling, lighting, and station amenities.
  - Platforms being replaced or renovated at all locations.
  - Track rehabilitation at all locations except Granville, including new waterproofing over viaducts, ties, ballast, and rail.



# Project Title: North Red Line Stations

## Managing Department: Facilities Construction

Impact on Customers:	Stations being closed up to six weeks for renovation; no closure of adjacent stations. Track reroutes on weekends and evenings for track replacement.
Benefit to System:	Renovated stations that are brighter, safer, and dry.
Benefit to Community:	Improved traffic flow throughout stations and more reliable rail service.
Impact on Accessibility:	None
Estimated # of Jobs Created:	235 (estimate)
Customer Communication Need:	<ul style="list-style-type: none"> <li>• Notification to community for station closures and weekend track impacts.</li> <li>• Traffic and pedestrian reroutes for weekend track rehabilitation. Supplemental bus service to be provided for weekend track work.</li> <li>• Bus re-routes during station closures, track work</li> </ul>

<b>Comparable Projects:</b>
<ul style="list-style-type: none"> <li>• Brown Line Capacity Expansion Project</li> </ul>



# Project Title: North Red Line Stations

## Managing Department: Facilities Construction

### Construction Progress

Phase	Description	Status
Design	<ul style="list-style-type: none"> <li>▪ Station Design</li> </ul>	Complete
Construction	<ul style="list-style-type: none"> <li>▪ Rehabilitation of tracks and waterproofing at Jarvis, Morse, Thorndale, and Berwyn, and Argyle Stations</li> </ul>	Complete
	<ul style="list-style-type: none"> <li>▪ Renovation of Granville and Morse, Argyle, and Thorndale Stations</li> </ul>	Closeout
	<ul style="list-style-type: none"> <li>▪ Renovation of Berwyn</li> </ul>	Opens 11/16
	<ul style="list-style-type: none"> <li>▪ Renovation of Lawrence Station begins 10/19/12</li> </ul>	Scheduled
	<ul style="list-style-type: none"> <li>▪ Renovation of Jarvis Station begins 11/9/12</li> </ul>	Scheduled
	<ul style="list-style-type: none"> <li>▪ Renovation of Concrete Viaducts</li> </ul>	Ongoing
	<ul style="list-style-type: none"> <li>▪ Slow zone removal is 4,650' to date.</li> </ul>	Ongoing

#### Delay Explanation:

No current delays







