

# **Construction Project Briefing**

**August 8, 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:                      | \$33,798,984   |
| Earned to Date:                                   | \$1.9M   |
| Percent Change Orders to Construction Contract:   | 0%   |
| Percent Time Used to Date:                        | 69%  |
| Funding Source:                                   | 2010 State Capital Program   |
| Estimated Start Date/Estimated Length of Project: | NTP issued September 14, 2011, 476 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

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| 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. |

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| <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></ul> | Ongoing |

#### Delay Explanation:

- None



# Project Title: Purple Line Viaducts

## Managing Department: Facilities Construction

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|---|--|
| 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:                                 | \$9.1M (88.1%)   |
| Percent Change Orders to Construction Contract: | 2%   |
| Percent Time Used to Date:                      | 56%  |
| 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

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| 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>                                 |

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| <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>Substantial Completion for Milestone C (retaining walls) was issued to Kiewit Infrastructure on May 24, 2012. A follow up walk through with the Construction Manager was completed in late June to verify punch list work.</li> </ul> | Ongoing   |
|              | <ul style="list-style-type: none"> <li>Contractor continues construction of bridge knee walls, under bridge lighting, and permanent signal and communication cable installations</li> </ul>  | Ongoing   |
|              | <ul style="list-style-type: none"> <li>Greenleaf viaduct was rolled in and installed June 9, 2012. Dempster and Grove was rolled in and installed on the weekend of June 22, 2012.</li> </ul>  | Completed |
|              | <ul style="list-style-type: none"> <li>Pouring concrete new curb and gutter, sidewalk and installation of landscaping will be on-going through September 2012.</li> </ul>  | Ongoing   |

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|---------------------------|
| <b>Delay Explanation:</b> |
| No current delays         |



# Project Title: Purple Line Viaducts

## Managing Department: Facilities Construction



**Dempster Viaduct Roll-In – Weekend of June 22, 2012**

# Project Title: North Red Line Stations

## Managing Department: Facilities Construction

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| 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:                    | \$57.4M  |
| Earned to Date:                                 | \$9M (15.7%)   |
| Percent Change Orders to Construction Contract: | 0%   |
| Percent Time Used to Date:                      | 30%  |
| 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

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| Impact on Customers:         | Stations being closed up to six weeks for renovation; no closure of adjacent stations.<br>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: | 150 (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> |

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| <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       | ▪ Design of Granville, Morse, Thorndale, Argyle, and Berwyn          | Completed |
|              | ▪ Design of Lawrence, and Jarvis                                     | Ongoing   |
| Construction | ▪ Rehabilitation of tracks and waterproofing at Morse & Jarvis       | Complete  |
|              | ▪ Rehabilitation of tracks and waterproofing at Berwyn and Thorndale | Ongoing   |
|              | ▪ Renovation of Granville station                                    | Closeout  |
|              | ▪ Renovation of Morse station  | Ongoing   |

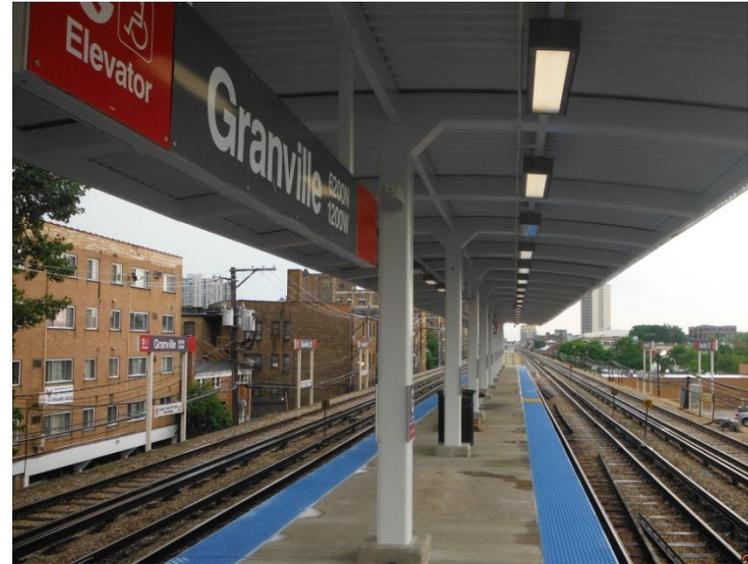
#### Delay Explanation:

No current delays



# Project Title: North Red Line Stations

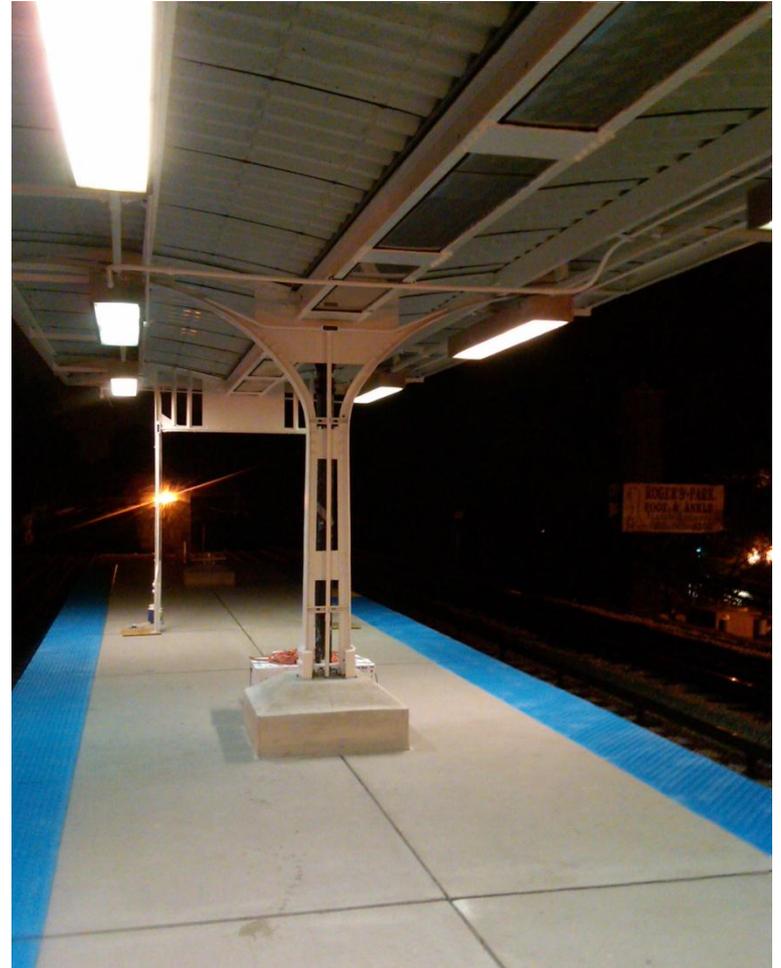
## Managing Department: Facilities Construction



**Granville Station Re-Opened**

# Project Title: North Red Line Stations

## Managing Department: Facilities Construction



**Morse Station Platform Before and After**

# Project Title: North Red Line Stations

## Managing Department: Facilities Construction



**Track bed removal and replacement at Jarvis Station**

