

Construction Project Briefing

February 13, 2013



Today's Presentation

- Loop Track
- North Red Line Stations
- Bus Hoist Replacement Program – Phase 1
 - ✓ Forest Glen, South Shops, 77th Street Bus Garage



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:	\$24.4M
Percent Change Orders to Construction Contract:	2.2%
Percent Time Used to Date:	100% for Milestone A-1, 81% for Milestone A-2
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
Designer of Record:	CTA In-House Design
Construction Manager/General Contractor:	PB America (CM), Ragnar Benson (GC)
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

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Impact on Customers:	16 Weekend line cuts and reroutes. 14 Nightly single tracks and reroutes. Work will also be completed during two extended line cuts for the CDOT Wells Street Bridge Project.
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.

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



Project Title: Loop Track Renewal Project

Managing Department: Power & Way Construction

Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none">Contractor requested substantial completion of Milestone A-1 on December 4, 2012. CTA issued the Notice of Substantial Completion for Milestone A-1 on January 14, 2013 with the Punch List.The first extended line cut for the Wells Street Bridge is scheduled for March 2, 2013- March 11, 2013 to also complete CTA work at Tower 18 North, West, and Center sections.	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 two 9 day line cuts for the CDOT Wells Street Bridge Project.
- Hubbard Curve work is currently being reviewed for coordination with the two 9 day line cuts for the CDOT Wells Street Bridge Project.



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:	\$62.7M (86%) (thru end of November)
Percent Change Orders to Construction Contract:	26.4%
Percent Time Used to Date:	75% (thru end of November)
Funding Source:	FTA
Start Date/Length of Project:	NTP issued February 2012, Substantial Completion February 28, 2013
Designer of Record:	Kiewit Infrastructure (DB)
Construction Manager/General Contractor:	Jacobs (CM), Kiewit Infrastructure (GC)
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"> • Notification to community for station closures and weekend track impacts. • Traffic and pedestrian reroutes for weekend track rehabilitation. Supplemental bus service to be provided for weekend track work. • Bus re-routes during station closures, track work

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



Project Title: North Red Line Stations

Managing Department: Facilities Construction

Construction Progress

Phase	Description	Status
Design	<ul style="list-style-type: none"> Station Design 	Complete
Construction	<ul style="list-style-type: none"> Track rehabilitation and new waterproofing 	Complete
	<ul style="list-style-type: none"> Installation of 187 security cameras 	Complete
	<ul style="list-style-type: none"> Station renovations 	Closeout
	<ul style="list-style-type: none"> Renovation of Concrete Viaducts 	Closeout
	<ul style="list-style-type: none"> Slow zone removal is 7,297' to date. 	Closeout
	<ul style="list-style-type: none"> Concession Build Out 	Ongoing

Delay Explanation:
No delays



Project Title: North Red Line Stations

Managing Department: Facilities Construction

Viaduct Rehabilitation at Argyle Station



Before

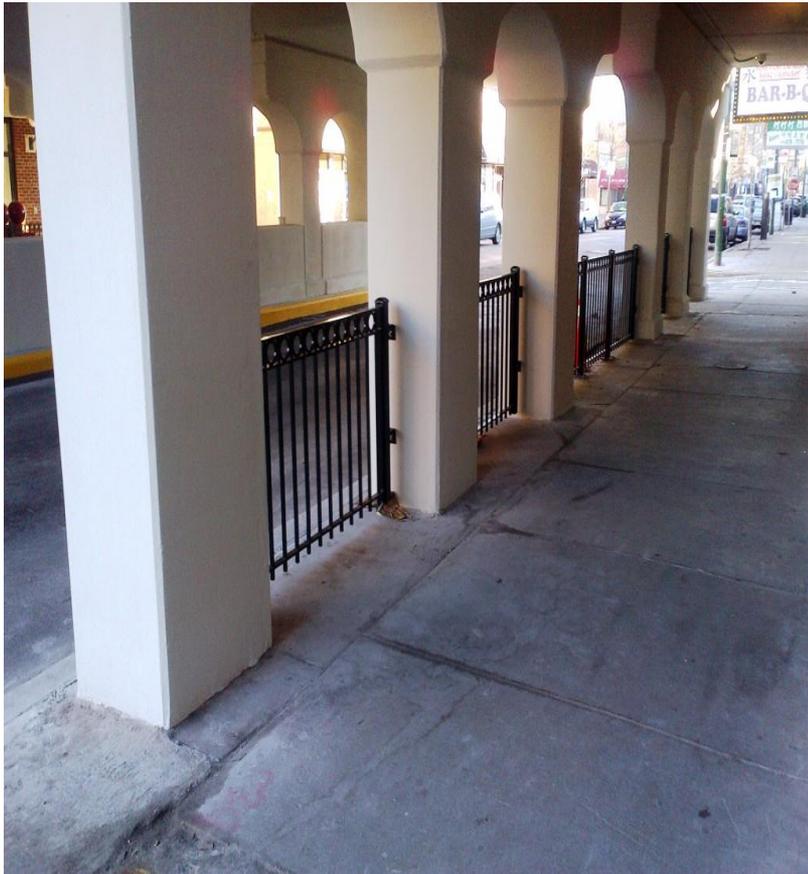


After

Project Title: North Red Line Stations

Managing Department: Facilities Construction

Viaduct Rehabilitation at Argyle Station



Project Title: North Red Line Stations

Managing Department: Facilities Construction

Bike Lot – Thorndale Station



Project Title: Bus Hoist Replacement Program – Phase 1

Managing Department: Facilities Construction

Justification of Need:	The existing bus hoists are beyond their useful life and many are not functioning.
Priority of Project:	High
Bus Hoist Equipment Contract Value:	\$1,668,052
Construction Contract Value:	\$2,130,676
Earned to Date:	5%
Percent Change Orders to Construction Contract:	0%
Percent Time Used to Date:	20%
Funding Source:	FTA and RTA Grants
Estimated Start Date/Estimated Length of Project:	Start date was 11/21/12 and the anticipated completion date is 4/30/13.
Designer of Record:	TranSystems Corporation
Construction Manager/General Contractor:	Jacobs (CM), Paul Borg Construction (GC), Stertil-Koni (Equipment)
Project Manager:	Steve Mascheri (GM); Shawn Riley (PM)

Detailed Overview of Scope:

Replacement of bus maintenance lifts including drainage, electrical work, and maintenance pads.
 Project has been sequenced to mitigate interference to CTA Bus Operations.



Project Title: Bus Hoist Replacement Program – Phase 1

Managing Department: Facilities Construction

Impact on Customers:	N/A
Benefit to System:	Improved capacity for maintenance facilities and reliable equipment for bus operations.
Benefit to Community:	N/A
Impact on Accessibility:	None
Estimated # of Jobs Created:	25
Customer Communication Need:	None

Comparable Projects:
<ul style="list-style-type: none">N/A



Project Title: Bus Hoist Replacement Program – Phase 1

Managing Department: Facilities Construction

Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none">Project has been sequenced to mitigate interference to Bus Operations<ul style="list-style-type: none">Forest Glen – Work at 4 of 7 pits has begunSouth Shops – Work at 2 of 4 pits has begun77th Garage – Work at 2 of 11 pits has begunExisting pits and slabs have been removedUnderground plumbing has started	Ongoing

Delay Explanation:

Elevation differential in underground drainage has resulted in the requirement to place new drainage lines as opposed to tying into existing drainage lines. Result is an approximate 4 week delay.



Project Title: Bus Hoist Replacement Program

Managing Department: Power & Way Construction



Forest Glen Bus Garage – Removal of Existing Hoists and Drainage



Project Title: Bus Hoist Replacement Program – Phase 1

Managing Department: Facilities Construction



South Shops Garage – Bus Hoist Demolition

Project Title: Bus Hoist Replacement Program – Phase 1

Managing Department: Facilities Construction



77th Bus Garage - Demolition