

Construction Project Briefing

August 14, 2019



Today's Presentation

- **ELMI – East Lake, Milwaukee, Illinois Substation Upgrade**
- **Your New Blue Signals Project**
- **Belmont and Jefferson Park Station Improvements (Blue Line)**
- **Lake Line and South Mainline Track Improvements (Fast Tracks Program)**
- **95th Street Terminal Improvement Program**
- **Electric Bus En Route Charger Stations**
- **Red and Purple Modernization Project**



Project Title: ELMI – East Lake, Milwaukee, Illinois Substation Upgrade

Justification of Need:	The existing traction power equipment at these substations is well past its useful life and needs to be replaced to assure reliable 600-volt DC traction power. Rehabilitate the substation buildings to a state of good repair.
Priority of Project:	High
Total Project Budget:	\$ 69M
Construction Contract Value:	\$ 42.9M
Earned to Date:	71%
Percent Change Orders to Construction Contract:	0
Percent Time Used:	79%
DBE:	Goal: 20% / Commitment: 20% Contract is on track to meet the DBE goal Outreach events conducted: 2 (CTA)
Funding Source:	CTA Bonds, RTA Bonds
Estimated Start Date/Estimated Length of Project:	NTP: April 10, 2017; Substantial Completion March 8, 2020
Designer of Record:	T.Y. Lin International
Construction Manager/General Contractor:	STV

Detailed Overview of Scope:

Rehabilitation of existing buildings and building envelopes to a state of good repair at East Lake, Milwaukee, and Illinois. Scope of work includes replacement of roof, tuck-pointing, hazardous material abatement, structural repairs and improvements, plumbing and mechanical repairs and improvements, and electrical repairs and improvements.

Replace existing AC/DC conversion equipment at all locations and getaway cables at East Lake.

Part of the scope of this project includes CTA purchasing 10 East Lake from ComEd.



Project Title: ELMI – East Lake, Milwaukee, Illinois Substation Upgrade

Impact on Customers:	There will be minimum impact to CTA customers.
Benefit to System:	<ul style="list-style-type: none">• Additional traction power capacity• Reduced traction power related train defects• Improved reliability for revenue service• Improved safety
Benefit to Community:	Improved Reliability and Safety
Impact on Accessibility:	None
Estimated # of Jobs Created:	897 indirect, 188 direct
Customer Communication Need:	Construction activity notices will be provided to inform businesses and residents regarding temporary construction impacts (noise, dust, street/alley closures) throughout the project.

Comparable Projects:

- Traction Power Systems Upgrades and Improvements Kimball, Princeton, and State Substation Projects.



Project Title: ELMI – East Lake, Milwaukee, Illinois Substation Upgrade

Construction Progress

Phase	Description	Status
<p>Construction</p>	<ul style="list-style-type: none"> • Transformer #4, Bus Duct #4, and Rectifier #4 Put In-Service. • Installation, Testing, and Putting In-Service DC Switchgear. • Transformer #3, Bus Duct #3, and Rectifier #3 have been delivered - scheduled to be in service by mid August. • Manufacturing of traction power equipment is in progress at East Lake Substation. • Factory Acceptance Testing of traction power equipment at East Lake Substation is progressing. • Tuckpointing, demolition, lead paint abatement, epoxy floor installation, di-electric floor installation, exhaust fan installation, plumbing are in progress at East Lake Substation. 	<p>Completed</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>

Delay Explanation:

N/A



Project Title: ELMI – East Lake, Milwaukee, Illinois Substation Upgrade



Courtyard Waterproofing Installation at East Lake Substation



Project Title: ELMI – East Lake, Milwaukee, Illinois Substation Upgrade



Transformer Installation at East Lake Substation



Project Title: Your New Blue Jefferson Park to O'Hare Signals Project

Justification of Need:	The existing 30-year old signal system is approaching the end of its useful life. Maintaining the system has become increasingly difficult in as much as many components are now obsolete and difficult to repair or replace.
Priority of Project:	High
Total Project Budget:	\$ 207M
Construction Contract Value:	\$ 153,696,433.00
Earned to Date:	19%
Percent Change Orders to Construction Contract:	0
Percent Time Used:	40%
DBE:	Goal: 10% Design / 15% Construction Commitment: 10.1% Design / 15% Construction Contract is on track to meet the DBE goal Outreach events conducted: 2 (CTA) 1 (KAJV)
Funding Source:	CTA Bonds, RTA Bonds, Federal Formula Funds, and Federal TIFIA loan
Estimated Start Date/Estimated Length of Project:	NTP: May 21, 2018; Substantial Completion May 20, 2021
Designer of Record:	KAJV – Mott McDonald
Construction Manager/General Contractor:	STV

Detailed Overview of Scope:

This is a design-build project that existing relay houses are going to be replaced with new relay houses on elevated or at grade platforms and existing relay rooms are proposed to be expanded/ refurbished and/or reconfigured to accommodate the new signal equipment. The existing relay houses/ rooms are located at the following locations: Jefferson Park, Central, Foster, Nagle, Harlem, Cumberland, River Road, Rosemont East, Rosemont Yard, Rosemont West, Old Manheim, O'Hare East and O'Hare West. Special trackwork improvements are at Central Interlocking.



Project Title: Your New Blue Jefferson Park to O'Hare Signals Project

Impact on Customers:	There will be 11 weekend Line Cuts: 2 – 9 Day Line Cuts from O'Hare to Rosemont, 2 Weekend Line Cuts from Rosemont to Harlem, and 7 Line Cuts from Harlem to Jefferson Park. Bus shuttles will be provided for these line cuts. In addition, there are 90 nighttime single track outages that may affect customers.
Benefit to System:	This will be the last section of the Blue Line to receive upgraded signals and interlocking systems. When completed, these systems will assure consistent, safe and reliable train operations on the entire Blue Line for many years to come. The proposed new equipment will provide bi-directional railway traffic protection and maintain headways at 90 seconds at 35 mph nominal. The Project will be designed with infrastructure provisions for a future Communication Based Train Control (CBTC) system, such as ducts for serial fiber/ cables, ample spare room for hardware in each relay/ audio house and ideal locations for transponders, radio transmitters/ antennae and wayside zone controllers.
Benefit to Community:	Improved Reliability and Safety
Impact on Accessibility:	During the 11 weekend Line Cuts, train stations will be inaccessible.
Estimated # of Jobs Created:	TBD
Customer Communication Need:	Construction activity notices will be provided to inform customers that Line Cuts will impact their commute.

Comparable Projects:

- Ravenswood Loop Connector
- Congress Dearborn – Jefferson Park to Forest Park Signal Replacement



Project Title: Your New Blue Jefferson Park to O'Hare Signals Project

Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none"><li data-bbox="388 308 1454 334">• Manhole Investigation. Manholes are being cleaned, check valves are being inspected.<li data-bbox="388 372 884 398">• Ductbank Investigation and Installation.<li data-bbox="388 436 826 462">• Removal of cable from ductbanks.<li data-bbox="388 501 929 526">• Signal & Traction Power Cable Installation.<li data-bbox="388 565 819 591">• Potholing along the Right of Way.<li data-bbox="388 629 672 655">• Innerduct installation.<li data-bbox="388 694 625 719">• Asbestos testing.	Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing
Delay Explanation:		
N/A		



Project Title: Your New Blue Jefferson Park to O'Hare Signals Project



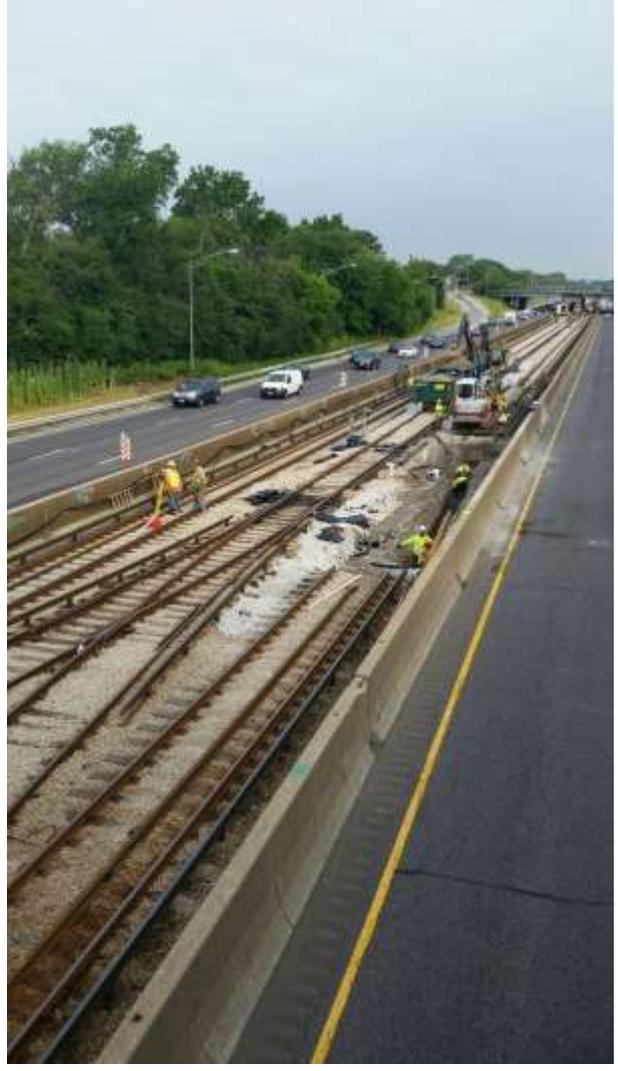
Precast Traction Power Ductbank Installation



Project Title: Your New Blue Jefferson Park to O'Hare Signals Project



Conduit Installation



**Track Removal and
Excavation**



Project Title: Belmont and Jefferson Park Station Improvements

Justification of Need:	Most elements of the Belmont and Jefferson Park Stations have not experience major renovation or updating since being built in 1970. In order to bring both stations to a state of good repair, upgrades are required. In addition, Jefferson Park Bus Terminal will be brought up to current ADA standards.
Priority of Project:	High
Total Project Budget:	\$ 42.2 M
Construction Contract Value:	\$ 30.8 M
Earned to Date:	95%
Percent Change Orders to Construction Contract:	0
Percent Time Used:	100%
DBE:	Goal: 30% / Commitment: 30% / Projected Attainment*: 30% Contract is on track to meet the DBE goal Outreach events conducted: 2 (CTA HQ and Community First Hospital)
Funding Source:	CTA PBV, CTA Bonds, RTA Bonds, IDOT, FTA, TIF, TIFIA
Start Date/Length of Project:	NTP: October 16, 2017; Substantial completion Belmont & Jefferson Park Rail Stations: December 31, 2018; Substantial completion Belmont Bus turnaround and canopy; 1 st quarter 2019; and Substantial completion Jefferson Park Bus Terminal: July 2019
Designer of Record:	EXP
Construction Manager/General Contractor:	WSP (formerly Parsons Brinckerhoff/) Walsh Construction

Overview of Scope: Both the Belmont and Jefferson Park Stations will be brought to a state of good repair. Scope of work includes electrical and lighting upgrades, floor replacements, sidewalk repair, updated signage, wall repairs, water mitigation, and improved customer amenities. Belmont will also receive a Gateway Canopy element that will invoke a sense of community and protect customers from the elements. Jefferson Park Bus terminal will be brought to current ADA standards via larger bus islands, improved lighting and signage, and repaired pavement and sidewalks.



Project Title: Belmont and Jefferson Park Station Improvements

Impact on Customers:	<ul style="list-style-type: none"> • 8 Weekend Station Closures at Belmont. • Belmont Bus Turnaround Closed up to 90 Days for Construction. • 8 Weekend Single Tracks. • 45 Nightly Single Tracks. • Longitudinal Partial Platform Closures: 3 weeks each side at Belmont and Jefferson Park. • One half of Jefferson Park Bus Terminal Closed at a time (Bus stops temporarily relocated) during terminal construction.
Benefit to System:	Extensive renovations to both stations. Jefferson Park Bus Terminal will meet current ADA standards.
Benefit to Community:	Improved reliability, safety and accessibility.
Impact on Accessibility:	Improves accessibility in the Jefferson Park Bus Terminal.
Estimated # of Jobs Created:	546 indirect, 114 direct
Customer Communication Need:	Construction activity notices and customer notices will be needed to alert customers, businesses and residents to weekend and night work occurrences. Extensive communication will be required for weekend closures, extended partial platform closures, and bus terminal closures.

Comparable Projects:	
<ul style="list-style-type: none"> • O'Hare Line – Addison, Irving Park, Montrose, Harlem, and Cumberland Station Renovations 	



Project Title: Belmont and Jefferson Park Station Improvements

Construction Progress

Phase	Description	Status
Design	<ul style="list-style-type: none">• Achieve Final Design.	Complete
Construction	<ul style="list-style-type: none">• Topping Slab Replacement at Belmont Platform.	Complete
	<ul style="list-style-type: none">• Punchlist at Belmont Station.	Ongoing
	<ul style="list-style-type: none">• Installation of Belmont Gateway Canopy.	Complete
	<ul style="list-style-type: none">• Topping Slab Replacement at Jefferson Park Rail Station.	Complete
	<ul style="list-style-type: none">• Construction at Jefferson Park Rail Station.	Complete
	<ul style="list-style-type: none">• Construction at North Half of Jefferson Park Bus Terminal.	Complete
	<ul style="list-style-type: none">• Construction at South Half of Jefferson Park Bus Terminal.	Complete

Delay Explanation:



Project Title: Belmont and Jefferson Park Station Improvements



Bus Terminal Complete



Project Title: Belmont and Jefferson Park Station Improvements



Bus Terminal Complete



Project Title: Belmont and Jefferson Park Station Improvements



Bus Terminal Complete



Project Title: Belmont and Jefferson Park Station Improvements



Programmable Accent Lighting at Jefferson Park Canopy



Project Title: Belmont and Jefferson Park Station Improvements



Gale Street Art Canopy



Project Title: Belmont and Jefferson Park Station Improvements



Main Canopy Art Windbreak



Project Title: Lake Line and South Mainline Track Improvements (Fast Tracks Program)

Justification of Need:	The goal of this project is to replace worn and deteriorated track components to improve the quality of ride for customers, reduce maintenance, eliminate slow zones, and extend the life of the infrastructure in the project area.
Priority of Project:	High
Total Project Budget:	\$70 million
Construction Contract Value:	\$41,448,861
Earned to Date:	23% (Approximately thru end of July)
Percent Change Orders to Construction Contract:	0%
Percent Time Used:	44%
DBE:	<ul style="list-style-type: none"> • Goal: 22% Design / 22% Construction • Commitment: 22% Design / 22% Construction • Contract is on track to meet the DBE goal
Funding Source:	City rideshare fee
Estimated Start Date/Estimated Length of Project:	<ul style="list-style-type: none"> • NTP: April 5, 2019 • Projected Substantial Completion: December 31, 2019 (ahead of schedule) • Contractual Substantial Completion: November 29, 2020
Designer of Record:	Alfred Benesch & Company
Construction Manager / General Contractor:	STV Incorporated / Kiewit Infrastructure Company

Detailed Overview of Scope:
Project Limits: Lake Line – Wells Street to Ogden Avenue, South Mainline – 18th Street to 30th Street
Scope: The base scope includes both design and construction services to replace track ties and fasteners, replace footwalks, replace running rail and contact rail in selective curve areas, add track planking in the gauge of the mainline tracks in select areas, and perform incidental signal work and testing. The contract also includes rail grinding work within the project limits to improve the rail head profile and a survey of the entire Green Line to assist with developing future Green Line projects.



Project Title: Lake Line and South Mainline Track Improvements (Fast Tracks Program)

<p>Impact on Customers:</p>	<ul style="list-style-type: none"> • Construction work will occur during 15 weekend line cuts between May-December 2019. • 8 weekend line cuts will occur on the Lake Line between the following stations: <ul style="list-style-type: none"> • 1 line cut between the California and Clark/Lake stations • 1 line cut between the Ashland and Morgan stations • 2 line cuts between the Ashland and Clinton stations • 2 line cuts between the Morgan and Clark/Lake stations • 2 line cuts between the Clinton and Clark/Lake stations • 7 line cuts will occur on the South Mainline between the Roosevelt and 35th-Bronzeville-IIT stations. • Bus shuttles for passengers will be provided between stations for all weekend line cuts.
<p>Benefit to System:</p>	<ul style="list-style-type: none"> • The project will remove 14,753 ft. of slow zones that currently exist in the project area. • The project will reduce maintenance needs and extend the life of the track infrastructure in the project area.
<p>Benefit to Community:</p>	<p>When completed, the project is expected to provide 5 minute round trip travel time savings and improve ride quality for Green Line passengers.</p>
<p>Impact on Accessibility:</p>	<p>None</p>
<p>Estimated # of Jobs Created:</p>	<p>910 total, 190 direct</p>
<p>Customer Communication Need:</p>	<p>Construction activity notices will be provided to inform customers and local businesses/residents how line cuts and road closures will impact them.</p>

<p>Comparable Projects:</p>	
<ul style="list-style-type: none"> • Ravenswood Loop Connector – Track Renewal • Milwaukee Blue Line Track Improvements • Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork 	



Project Title: Lake Line and South Mainline Track Improvements (Fast Tracks Program)

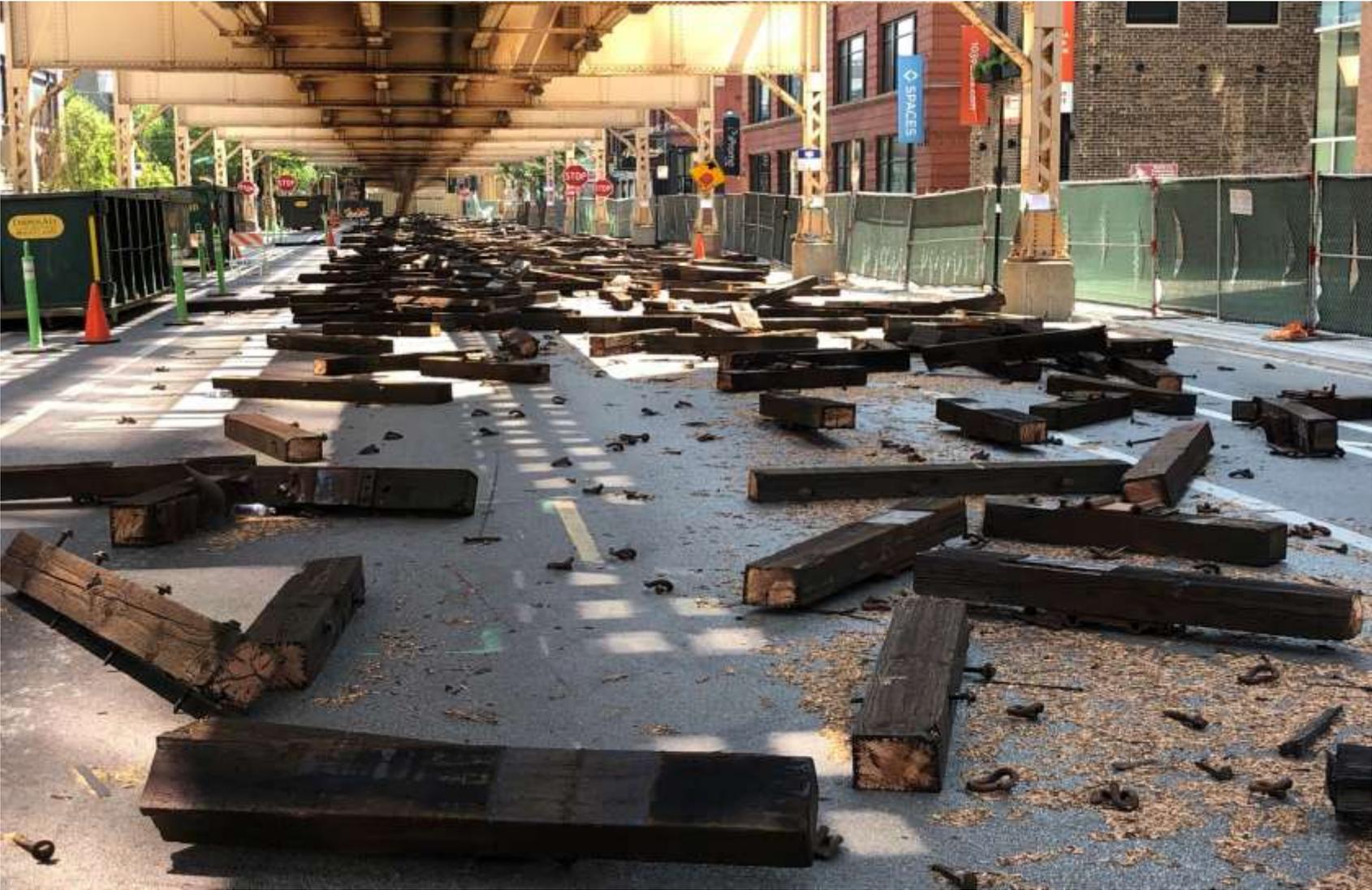
Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none"> • Existing condition surveys at track-level and street-level • South Mainline rail grinding work • Final design for all construction work • Lake Line trackwork (3 weekend line cuts completed to date.) • Lake Line rail grinding work • South Mainline trackwork (first weekend line cut scheduled on 10/4) • Post-construction survey of the entire Green Line 	<p>Completed</p> <p>Completed</p> <p>Ongoing</p> <p>Ongoing</p> <p>Planned</p> <p>Planned</p> <p>Planned</p>

Delay Explanation:
<p>N/A</p>



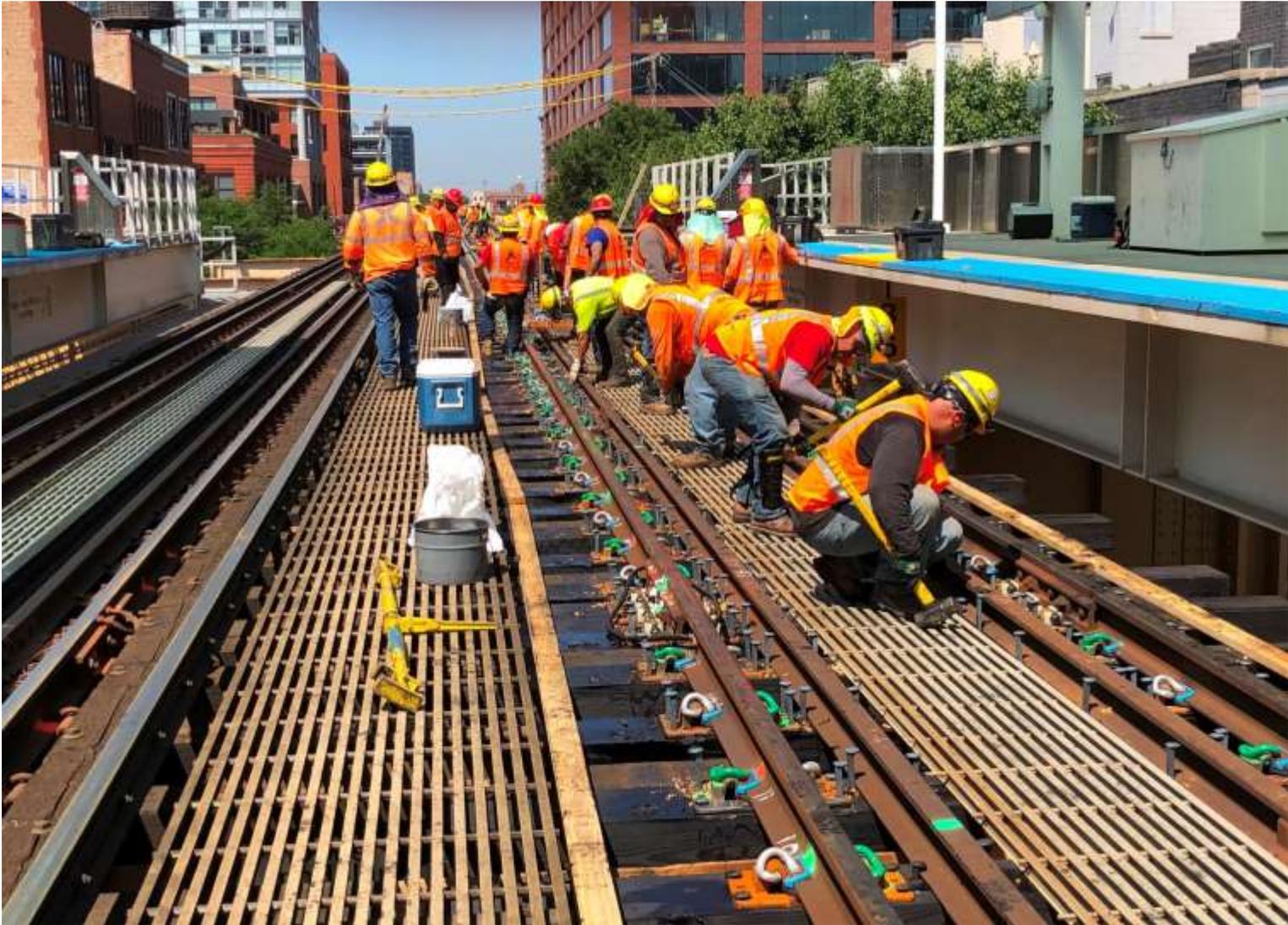
Project Title: Lake Line and South Mainline Track Improvements (Fast Tracks Program)



Tie Demolition



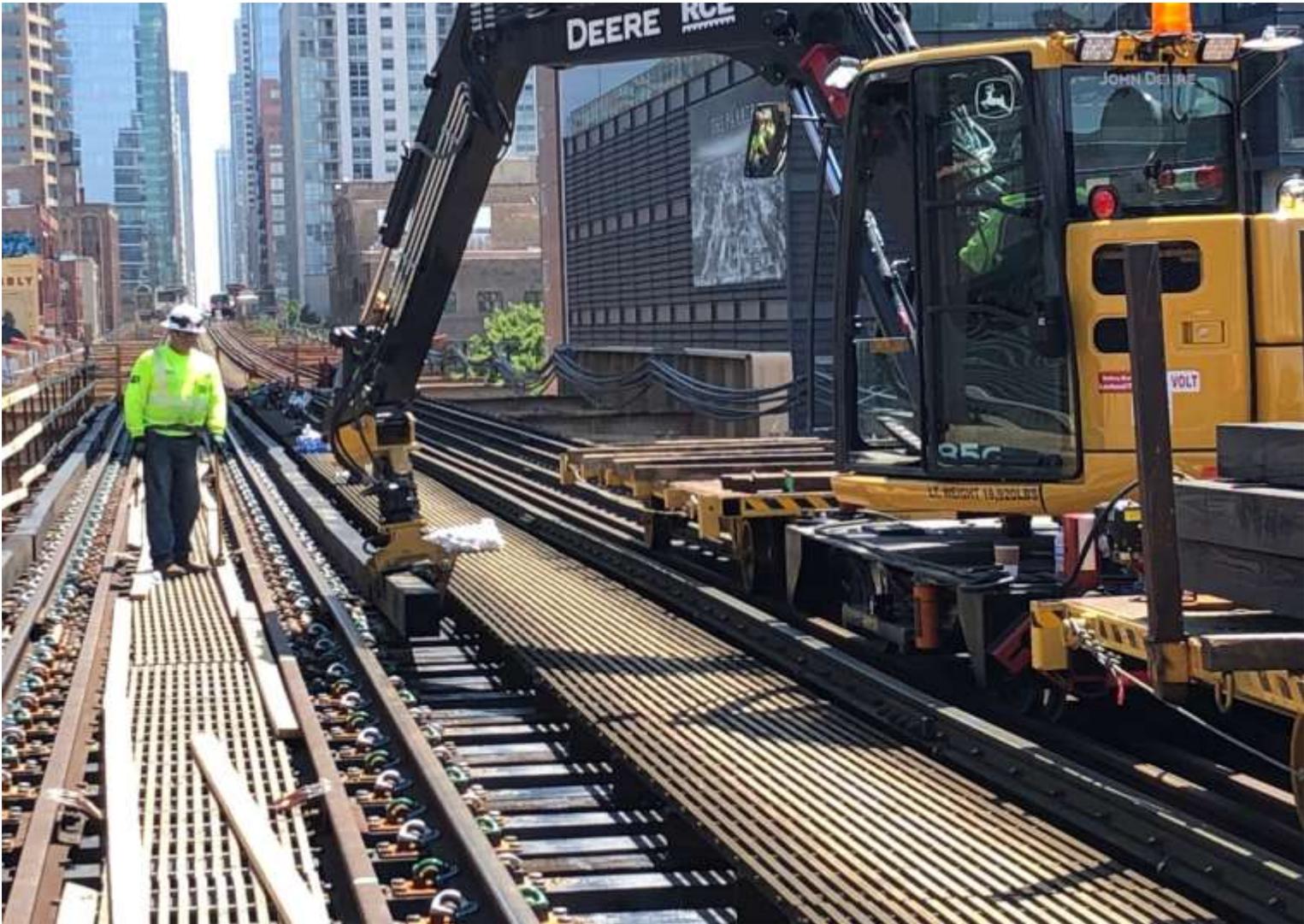
Project Title: Lake Line and South Mainline Track Improvements (Fast Tracks Program)



SIG Rail Installation



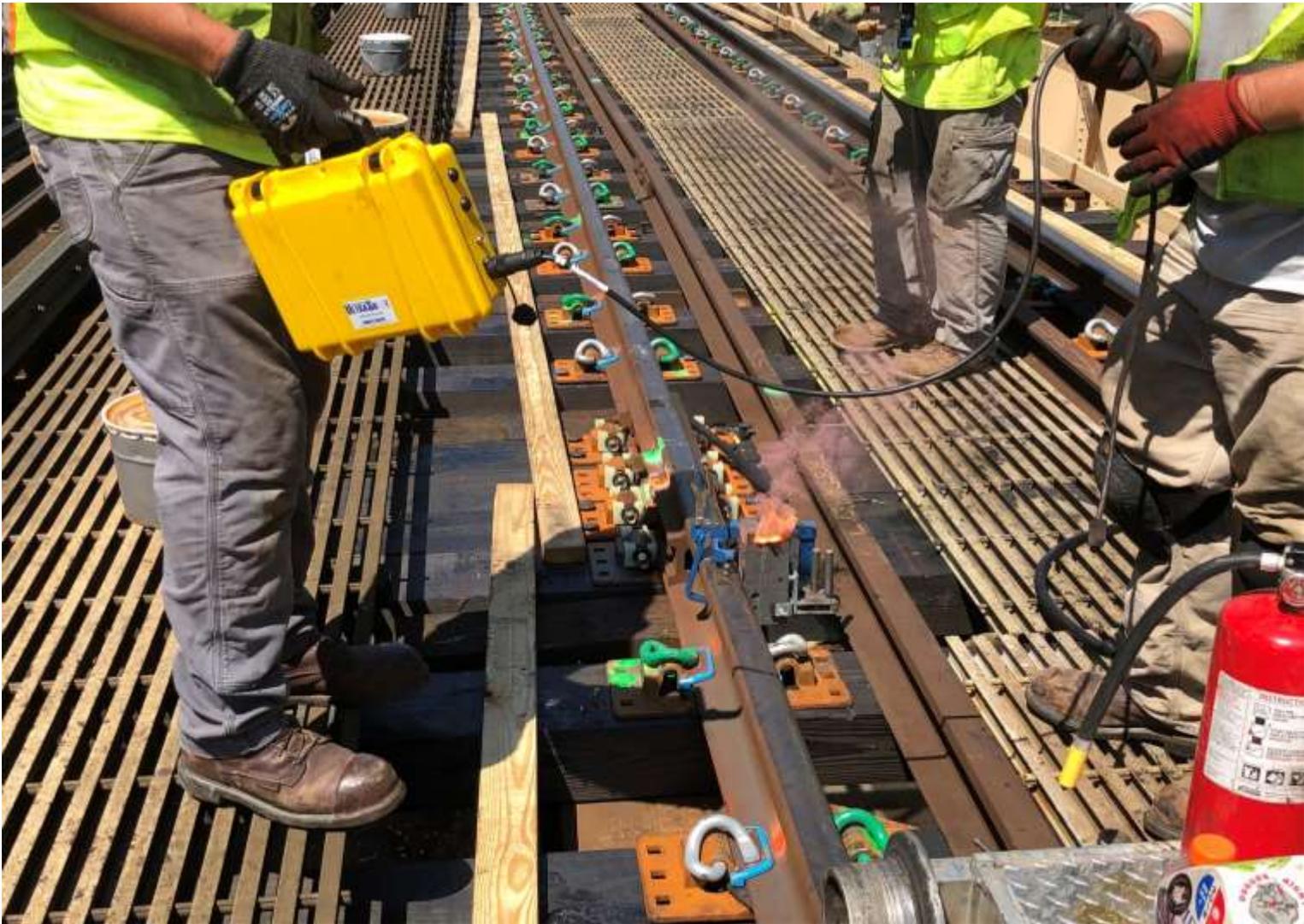
Project Title: Lake Line and South Mainline Track Improvements (Fast Tracks Program)



Timber Guard Installation



Project Title: Lake Line and South Mainline Track Improvements (Fast Tracks Program)



Rail-to-Rail Bonding



Project Title: 95th Terminal Improvement Program

Justification of Need:	The terminal is functionally obsolete and does not allow for optimal bus operations and pedestrian flow.
Priority of Project:	High
Total Project Budget:	\$280 M
Construction Contract Value:	Advance Package 1: \$ 2,482,588 Advance Package 2: \$24,697,210 Main Terminal Contract: \$188,395,277
Earned to Date:	Advance Package 1: 100% Advance Package 2: 100% Main Terminal Contract: 96%
Percent Change Orders to Construction Contract:	Advance Package 1: (0.3%) Advance Package 2: 7% Main Terminal Contract: 4.7%
Percent Time Used:	Advance Package 1: 100% Advance Package 2: 100% Main Terminal Contract: 100%
DBE:	Advance Package 1: Goal: 30% / Commitment: 35.19% / Final Attainment*: 37.26% Advance Package 2: Goal: 30% / Commitment: 30% / Final Attainment*: 37.80% Main Terminal Contract: Goal: 27% / Commitment: 27% Projected Attainment*: 30% Contract is on track to meet the DBE goal Outreach events conducted: 8 *Attainment is based on progress payments and may vary over the life of the project
Funding Source:	Federal, State, Bond



Project Title: 95th Terminal Improvement Program

Estimated Start Date/Estimated Length of Project:	Main Terminal Contract: NTP: Nov 24, 2015; South Terminal – operational April 14, 2018. North Terminal – Terminal operational December 31, 2018.
AP1/AP2 Construction Manager/General Contractor:	Walsh / II in One JV
Main Terminal Contractor:	F.H. Paschen / Milhouse JV
Owners Representative:	Jacobs/SQN JV

Detailed Overview of Scope:

The 95th Terminal Improvement Project will create new South and North terminal buildings at 95th on the Dan Ryan Red Line. The new terminal buildings will create a functional and efficient intermodal facility to enhance bus service and improve pedestrian safety. Scope includes the replacement and expansion of the terminal and platform and the addition of bus and pedestrian bridges. New administrative office space will be built and new bus bays will be provided around the terminal buildings.



Project Title: 95th Terminal Improvement Program

Impact on Customers:	Track closures and weekend station closures during construction. Temporary relocation of certain bus operations to nearby streets during construction phasing.
Benefit to System:	Improved customer circulation and safety by relieving congestion. Improved bus service and improved pedestrian safety.
Benefit to Community:	Improved pedestrian safety with new pedestrian bridge over 95 th Street, longer train platform extending to the new South Terminal Building.
Impact on Accessibility:	New south and north terminal buildings with improved accessible routes to buses.
Estimated # of Jobs Created:	3,640 indirect, 762 direct
Customer Communication Need:	Requires periodic track closures and possible station closures with bus shuttle service. Bus Operations may be relocated to adjacent streets during certain phases of construction.

Comparable Projects:
<ul style="list-style-type: none">Wilson Station



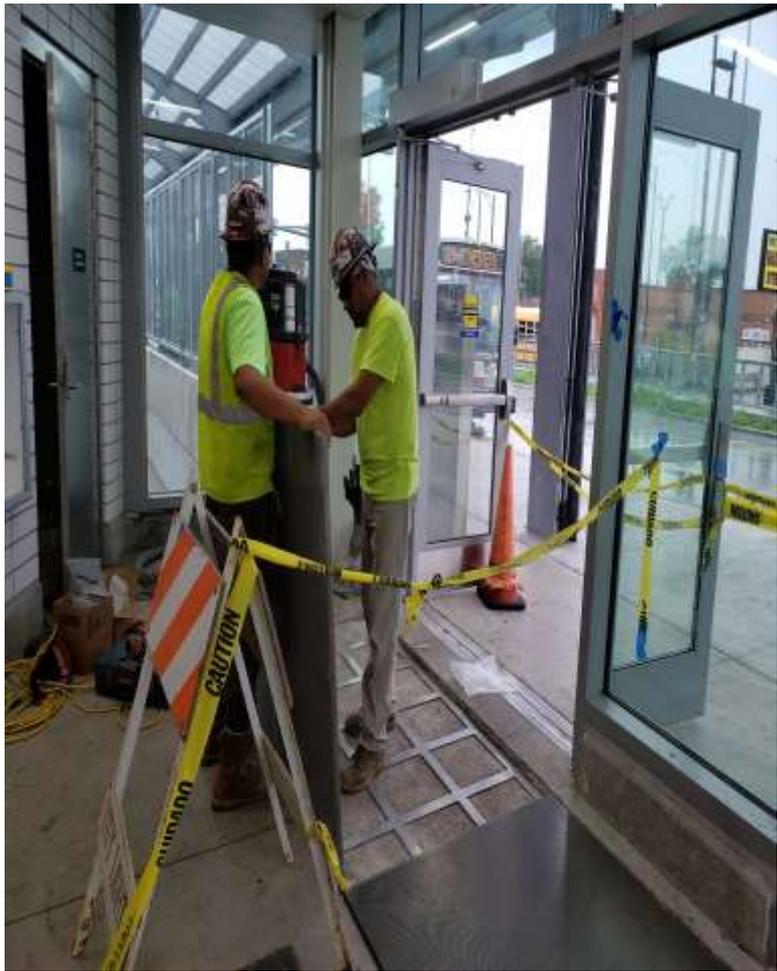
Project Title: 95th Terminal Improvement Program

Construction Progress

Phase	Description	Status
<p>Construction</p>	<p>South Terminal: Various punchlist work is ongoing. Final work on the platform rooms. Installing escalator #1. Doyle Signs- Installing permanent rail signs in the SBT Concourse and the Regulatory Signs at South Terminal.</p> <p>North Terminal: Various punchlist and worklist items are ongoing.</p> <p>96th Interlocking: Testing and commissioning expected to be complete in Q2 2019 allowing for full operational service.</p> <p>95th Street Site Work: City Lights started installation of street light poles at 95th /Lafayette/ State St. City Lights started work for mounting signal mast arms at 95th /State/ Lafayette Pavement Overlay.</p>	<p>Ongoing Complete Ongoing Ongoing</p> <p>Ongoing</p> <p>Complete</p> <p>Complete Complete Ongoing</p>
<p>Delay Explanation:</p>		
<p>N/A</p>		



Project Title: 95th Terminal Improvement Program



**Installing Walk Off Mat at NT
West Commuter Bridge**



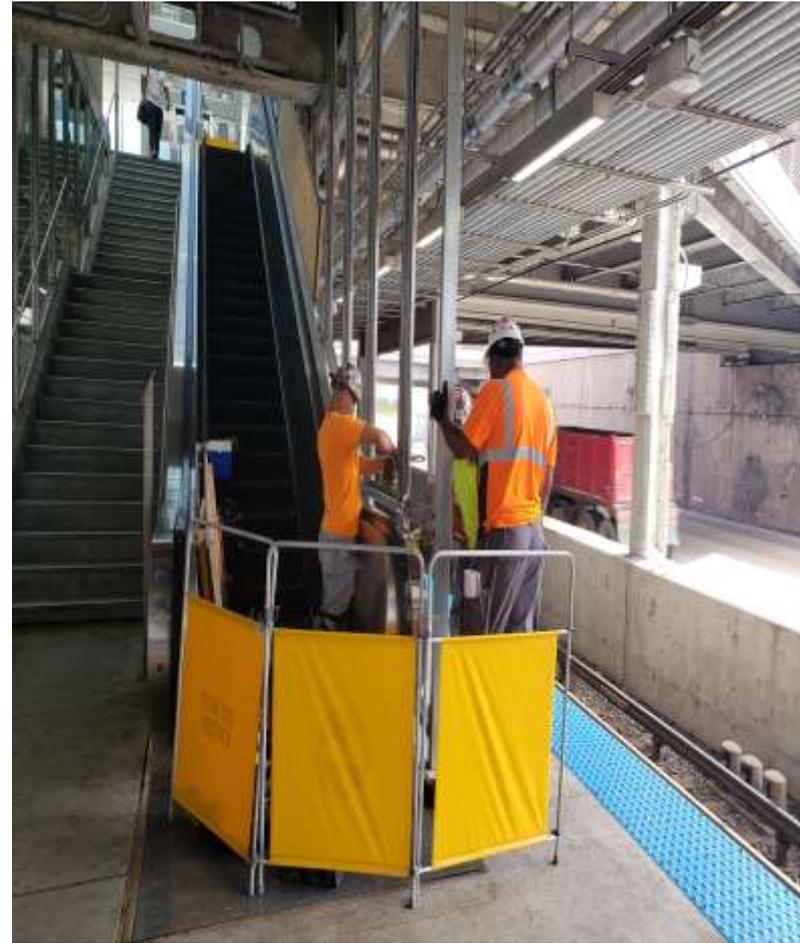
Mounting Signal Head



Project Title: 95th Terminal Improvement Program



Installing Escalator #1



**Installing Angle Plate to Escalator #6
Windscreen Frame**

Project Title: Electric Bus En Route Charger Stations

Justification of Need:	
Priority of Project:	Normal
Total Project Budget:	\$31.9M
Construction Contract Value:	(\$13,934,337.00 Infrastructure Installation) – (\$18,012,857.00 Bus Procurement)
Earned to Date:	9.5%
Percent Change Orders to Construction Contract:	0%
Percent Time Used:	70%
DBE:	<ul style="list-style-type: none"> • Goal: 30% • Commitment: 30%
Funding Source:	FTA, CTA Bond, Grants CMAQ
Estimated Start Date/Estimated Length of Project:	<ul style="list-style-type: none"> • NTP: 7-12-2018 • Projected Substantial Completion: 3-14-2020 • Contractual Substantial Completion: 12-14-2019
Designer of Record:	JLK Architects
Construction Manager / General Contractor:	CM = WSP/SQN GC = Proterra / Mortenson

Detailed Overview of Scope:

The Contractor will provide design, construction services, vehicle delivery, and equipment installation services to the CTA for a complete charging infrastructure system for 100% electric propulsion buses at the Navy Pier Bus Turnaround, the Chicago & Austin Bus Turnaround, and the Chicago Garage.



Project Title: Electric Bus En Route Charger Stations

Impact on Customers:	<ul style="list-style-type: none">• This work will have minimal impact on CTA customers at Navy Pier, and Chicago & Austin Bus Turnaround.• There will be a lane closure at the Grand Ave. / Park Ave. intersection during the tie in to the ComEd vault for power later in Q4.
Benefit to System:	The City of Chicago has committed to “Going Green”. Electric buses reduce the strain on the environmental hazards of traditional combustion engines.
Benefit to Community:	Clean, quiet, well lit buses promote green living.
Impact on Accessibility:	N/A
Estimated # of Jobs Created:	100
Customer Communication Need:	Construction activity notices will be provided to inform customers and local businesses/residents how the lane closures will impact them.

Comparable Projects:
<ul style="list-style-type: none">• This is the first of its kind at this scale in the United States.



Project Title: Electric Bus En Route Charger Stations

Construction Progress

Phase	Description	Status
Construction	<p><u>Chicago Garage</u></p>	
	<ul style="list-style-type: none"> • Electrical conduit runs have been laid and covered at the Chicago Garage 	Complete
	<ul style="list-style-type: none"> • The structural steel for the drop down pantograph is installed. 	Complete
	<ul style="list-style-type: none"> • Conduit runs from the electrical room over to the location of the charging station are in progress. 	In progress
	<p><u>Chicago/Austin</u></p>	
	<ul style="list-style-type: none"> • Excavation for the footings have been dug out. 	Complete
	<ul style="list-style-type: none"> • The footings and foundations have been poured and backfilled. 	Complete
	<ul style="list-style-type: none"> • Contractor is currently laying all electrical and plumbing conduit to make connections to City services and to ComEd. 	In Progress
	<ul style="list-style-type: none"> • The contractor is preparing to make the cut overs to the water and city services this week. 	In progress
	<ul style="list-style-type: none"> • The footings and foundations for the mast have been set. Pouring will commence next week. 	In progress



Project Title: Project Title: Electric Bus En Route Charger Stations



**Rebar Layout for
Concrete Encasement**



**Conduit emerging from
Concrete**

Project Title: Project Title: Electric Bus En Route Charger Stations



Footings and Foundation



Ductbank and Conduit Connections



Project Title: RPM Advance Contracts

Justification of Need:	<ul style="list-style-type: none"> • Advance Utility Relocation to relocate utilities in conflict with future RPM Phase One construction. • Demolition Work Orders: Two Mid-Con Work Orders to demolish buildings at 18 parcels to facilitate future RPM Phase One Construction.
Priority of Project:	<ul style="list-style-type: none"> • High
Total Project Budget:	<ul style="list-style-type: none"> • Additional support costs as part of RPM Phase One Project Budget of \$2.2B • Advance Utility Relocation: \$35,000,000 per Ordinance No. 017-53 • Demolition: \$4,380,195 Construction Contract Value
Construction Contract Value:	<ul style="list-style-type: none"> • Advance Utility Relocation: \$19,333,347 Work Orders Authorized (as of 07/15/19) • Demolition: \$4,380,195
Earned to Date:	<ul style="list-style-type: none"> • Advance Utility Relocation: 98% (ComEd ductbank), 74% (all work) • Demolition: 98%
Percent Change Orders to Construction Contract:	<ul style="list-style-type: none"> • Advance Utility Relocation: N/A • Demolition: 0% (Demolition Package 1 Reduced by Unused Allowances)
Percent Time Used:	<ul style="list-style-type: none"> • Advance Utility Relocation: 99% • Demolition: 100%
DBE:	<ul style="list-style-type: none"> • Advance Utility Relocation: CTA Diversity continues to work with Utilities to provide opportunities for DBEs and other diverse contractors. • Demolition: Work Orders are on track to meet the DBE goals of 30%
Funding Source:	<ul style="list-style-type: none"> • CTA Bonds, FTA Core Capacity Grant, CMAQ, TIFs
Estimated Start Date/Estimated Length of Project:	<ul style="list-style-type: none"> • Advance Utility Relocation NTP: 06/25/18 (373 days) Planned Substantial Completion: Q4 2019 • Demolition NTP: 01/16/18 (322 Days) Planned Substantial Completion 12/04/18 Demolition Substantial Completion: 03/22/2019 (Contractor notified of potential Liquidated Damages)



Project Title: RPM Advance Contracts

Designer of Record:	<ul style="list-style-type: none">• Advance Utility Relocation: Relevant Utility Agency• Demolition: CTA
Construction Manager/General Contractor:	<ul style="list-style-type: none">• Advance Utility Relocation: CM= WSP; GCs = Relevant Utility Agency or Contractor• Demolition: CM = WSP; GCs = ICC Group Inc. and John Burns Construction
Detailed Overview of Scope: <ul style="list-style-type: none">• Advance Utility Relocation: Relocate underground and overhead facilities ahead of track and station construction.• Demolition: Demolish properties needed for RPM Phase One ahead of track and station construction.	

Project Title: RPM Advance Contracts

Impact on Customers:	<ul style="list-style-type: none">• Periodic flagging activities while poles being set/removed.• Bus reroutes for street closures.
Benefit to System:	<ul style="list-style-type: none">• Reduces risk and duration for the future RPM Phase One Design-Build Project.
Benefit to Community:	<ul style="list-style-type: none">• Reduces risk and duration for the future RPM Phase One Design-Build Project.
Impact on Accessibility:	<ul style="list-style-type: none">• None
Estimated # of Jobs Created:	<ul style="list-style-type: none">• N/A
Customer Communication Need:	<ul style="list-style-type: none">• Construction Activity Notices will be provided to inform businesses and residents regarding temporary construction impacts (noise, dust, street/alley closures) throughout the advance work.

Comparable Projects:



Project Title: RPM Advance Contracts

Construction Progress

Phase	Description	Status
Design:	<ul style="list-style-type: none">Advance Utility Relocation – The majority of the design packages are through OUC. Work Orders continue to be processed.	Ongoing
Construction:	<ul style="list-style-type: none">Advance Utility Relocation – ComEd, PGL, WOW!, CDWM-Water, Comcast, RCN and AT&T continue to install infrastructure as part of relocation; major infrastructure is complete for ComEd, PGL and CDWM-Water. Cable pulling for ComEd and telecoms continues. Pole removal in progress.	Ongoing
Close-Out:	<ul style="list-style-type: none">Demolition Package 2 – Fence work and testing is complete; GC is preparing closeout submittals	Ongoing

Delay Explanation:

N/A



Project Title: RPM Advance Contracts



ComEd trench excavation on Bryn Mawr (left) and Comcast cable pulling on Clark (right)

Project Title: RPM Broadway Substation Upgrade

Justification of Need:	<ul style="list-style-type: none"> The existing traction power equipment at these substations is well past its useful life and needs to be replaced to assure reliable 600-volt DC traction power. Rehabilitate the substation buildings to a state of good repair.
Priority of Project:	<ul style="list-style-type: none"> High
Total Project Budget:	<ul style="list-style-type: none"> \$25,954,699.00 (Part of RPM Phase One Project Budget of \$2.2B)
Construction Contract Value:	<ul style="list-style-type: none"> \$14,500,000.00
Earned to Date:	<ul style="list-style-type: none"> 78%
Percent Change Orders to Construction Contract:	<ul style="list-style-type: none"> None at this time
Percent Time Used:	<ul style="list-style-type: none"> 91%
DBE:	<ul style="list-style-type: none"> Goal: 25% / Commitment: 25.17% Contract is on track to meet the DBE Goal Outreach events conducted: 1 (CTA HQ)
Funding Source:	<ul style="list-style-type: none"> CTA Bonds, FTA Core Capacity Grant, CMAQ, TIFs
Estimated Start Date/Estimated Length of Project:	<ul style="list-style-type: none"> NTP: August 2017 Substantial Completion: Q4 2019; (Length: 729 calendar days)
Designer of Record:	<ul style="list-style-type: none"> TY Lin
Construction Manager/General Contractor:	<ul style="list-style-type: none"> CM = STV GC = Clark Construction Group

Detailed Overview of Scope:

Replace Broadway Substation traction power equipment and rehabilitate various structural, architectural, civil, mechanical, plumbing, and electrical elements.



Project Title: RPM Broadway Substation Upgrade

Impact on Customers:	<ul style="list-style-type: none">• None to minimum during construction.• Infrequent Track Access Occurrences (Track Out of Service and Reroutes).
Benefit to System:	<ul style="list-style-type: none">• Additional traction power capacity• Reduced traction power related train defects• Improved reliability for revenue service• Improved safety
Benefit to Community:	<ul style="list-style-type: none">• Improved Reliability and Safety
Impact on Accessibility:	<ul style="list-style-type: none">• None
Estimated # of Jobs Created:	<ul style="list-style-type: none">• 450 indirect and 95 direct
Customer Communication Need:	<ul style="list-style-type: none">• Construction Activity Notices will be provided to inform businesses and residents regarding temporary construction impacts (noise, dust, street/alley closures) throughout the project.

Comparable Projects:

- East Lake Substation (Loop and Adjacent Lines)
- Milwaukee Substation (Blue Line)



Project Title: RPM Broadway Substation Upgrade

Phase	Description	Status
Construction:	<ul style="list-style-type: none">• Preparing area for Line Up #1• Washroom's ceiling and wall renovation• Dielectric Flooring Installation and Testing• Site Plumbing• TPE Field Testing	Ongoing Ongoing Ongoing Ongoing Ongoing

Delay Explanation:
N/A



Project Title: RPM Broadway Substation Upgrade



East Wall Tuckpointing



New Electrical Panels

Project Title: RPM Community Outreach

Red-Purple Bypass Kickoff Outreach: July-August 2019

- In preparation for track foundation work to begin in Fall 2019, CTA conducted extensive outreach to businesses, residents and elected officials
- Our goal: Provide detailed, customized information about construction impacts and mitigation – and listen to the community

CONSTRUCTION STARTS THIS FALL
Red-Purple Bypass

QUESTIONS?
Visit transitchicago.com/rpm
Ask us: rpm@transitchicago.com

Construction open houses July 31-August 1

- Two open house-style meetings
- Three work zones: Wilton, Clark/Sheffield, Newport/Roscoe
- More than 150 attendees



Sidewalk 'popups' July 15-27

- Nine sidewalk events
- Targeted commuters and previously unengaged residents
- More than 1,500 people were interacted with



Project Title: RPM Community Outreach

Outreach type	Major Activities	Timing
<p>Community</p>  <p>“Ask Me About the Bypass” sidewalk popups</p> <p>Workforce</p>  <p>Cook County JTDC Trades Expo</p> <p>SBE/DBE</p>  <p>RPM Small Business Education Series class</p>	<ul style="list-style-type: none"> • Ald. Matt Martin (47th) RPM briefing • Windy City Ribfest • “Ask Me About the Bypass” sidewalk popups • 48th Ward block-by-block (Balmoral to Berwyn) outreach meeting • Argyle Night Market • Workforce/DBE Outreach and Compliance meetings • Cook County Juvenile Detention Center Trades Expo & Opportunity Fair • Chicago Urban League • Chicago Minority Supplier Development Council (CMSDC) • Chicago Cosmopolitan Chamber of Commerce • RPM Small Business Education Series 	<p>July 2</p> <p>July 5</p> <p>July 15-27</p> <p>July 16</p> <p>July 25</p> <p>Monthly</p> <p>July 13</p> <p>July 9</p> <p>July 23</p> <p>August 1</p> <p>Ongoing</p>