



Todays Presentation

- CDOT Lake Line Damen Station
- Non-Revenue Maintenance
- Traction Power Upgrades Canal Tie House, Barry and Damen Substations
- Refresh & Renew Program
- Red and Purple Modernization Project



Justification of Need:

Priority of Project:	Medium
Total Project Budget:	
Construction Contract Value:	\$80,549,037.47
Earned to Date:	40%
Percent Change Orders to Construction Contract:	19.7%
Percent Time Used:	88%
DBE:	MBE: 30% WBE: 8% VBE: 0.96%
Funding Source:	TIF/CMAQ
Estimated Start Date/Estimated Length of Project:	897 days after NTP – New SC Date: 3/28/24
Designer of Record:	Perkins and Will
Construction Manager/General Contractor:	Arcadis / FH Paschen



Impact on Customers:	This will be a new Elevated CTA Station on the Lake Branch of the Green Line at Damen and Lake Streets. CTA has also implemented slow zones due to structural on-going work.
Benefit to System:	The new station will provide transit connectivity, convenience and amenities to residents, workers and visitors alike.
Benefit to Community:	New, modern transit facility that will serve the burgeoning needs of the Kinzie Industrial Corridor. The new station will also support visitors to the United Center, Malcom X College and educational institutions.
Impact on Accessibility:	This will be a fully accessible CTA station equipped with escalator and elevator access to both platforms and accessible path to the new station house.
Customer Communication Need:	Customer and Community facing is being handled through CDOT.
Comparable Projects:	

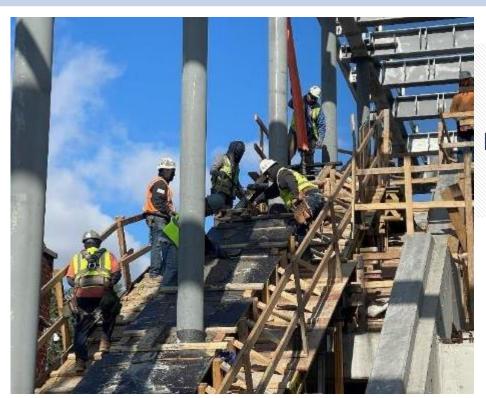
Morgan Station on Green Line



Construction Progress

Phase	Description	Status
Construction		
	Pour Second Floor and Exterior Walls at Station	Completed
	Erect Steel for Station Roof	Completed
	Lieu dieer of Station Roof	Completed
	Set Outbound Stair at North Tower	Completed
	Plumbing and Electrical at Elevator Core	On-Going
	Escalator installation	On-Going
	Erect/Detail Platform/Canopy Steel	On-Going
	Set Concrete Platform Panels	On-Going
	Steel Delivery for Pedestrian Bridge	Planned Q1





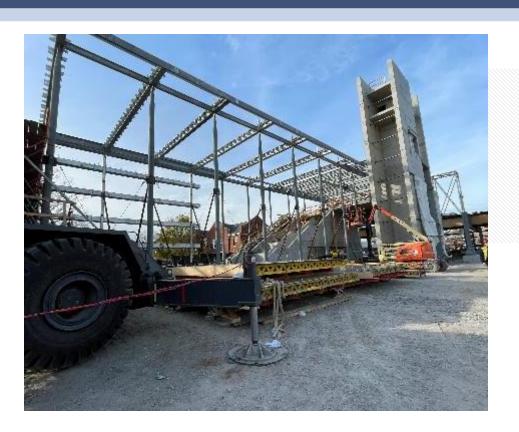
Pouring Concrete at West Exterior Wall





Installing
Concrete Wall
Forms – South
Wall





Station House Roof Steel



Madium

Justification of Need:

Priority of Projects

Priority of Project:	Medium
Total Project Budget:	\$65,902,503
Construction Contract Value:	\$44,370,833
Earned to Date:	66% (thru September 2023)
Percent Change Orders to Construction Contract:	12% (thru Change Order #2, Authorized October 2023 Board) (Scheduled for execution in November)
Percent Time Used:	92%
DBE:	Goal: 30% Design / 27% Construction Commitment: 30% Design / 27% Construction Workforce Goals: 10% Career Opportunity/ 10% Apprentice/ 35% EDA Outreach events conducted: 3 (CTA / Clark) Contract is on track to meet the DBE goal
Funding Source:	IDOT - Rebuild Illinois
Estimated Start Date/Estimated Length of Project:	NTP: 3/24/21 Project Duration – 995 days thru Change Order #2
Designer of Record:	STV Inc.
Construction Manager/General Contractor:	WSP/Clark Construction

Detailed Overview of Scope: Perform Design/Build Services to design and construct a new maintenance facility at the CTA's 63rd Lower Yard. This facility will be utilized to repair and maintain CTA's Non-Review Rail Mounted Equipment Fleet. This facility will include three maintenance and inspection tracks, a vehicle wash track with equipment, a paint booth, a welding room, a multipurpose lunchroom and classroom, locker and washroom facilities, supervision offices, and storage facilities.



Comparable Projects:

Project Title: Non-Revenue Rail Vehicle Facility

Impact on Customers:	While no direct impact to rail service, this facility will allow CTA Rail Maintenance to efficiently maintain the CTA's non-revenue fleet. This will result in equipment being in good working order and ready to perform necessary repairs and upkeep to the CTA system. This will allow CTA to maintain reliable service to our customers.
Benefit to System:	The ability to effectively and efficiently maintain the CTA's non-revenue fleet will result in equipment being in good working order and ready to perform necessary repairs and upkeep to the CTA system.
Benefit to Community:	This facility will be design to compliment the surrounding neighborhood from an aesthetic perspective. It will also bring additional activity to the immediate neighborhood.
Impact on Accessibility:	The building will obtain City of Chicago Building permits, which included accessibility reviews.
Customer Communication Need:	Customer impact will be minimal. Community outreach efforts are ongoing with local elected official and the neighboring school to discuss and minimize impacts during construction. Communications will continue with the surrounding residences and business regarding any upcoming impacts to the surrounding area during construction.

10



Construction Progress

Phase	Description	Status
Construction	Design Phase Design Package 3 – W48 Waterline Permit W48 Parking Lot Design Final Design Construction Phase Oil-Water Separator Installation Apron and Track Preparation Garden Wall Pour Slab on Grade Duct banks/Conduit Installation Installing CMU Walls Painting Walls Storeroom 48 Waterline Installation Installing Paint and Blast Booth Install Rail at Track D Install Track C,B,A Overhead Crane Installation	Complete In Progress Complete Complete Complete Complete Complete In Progress

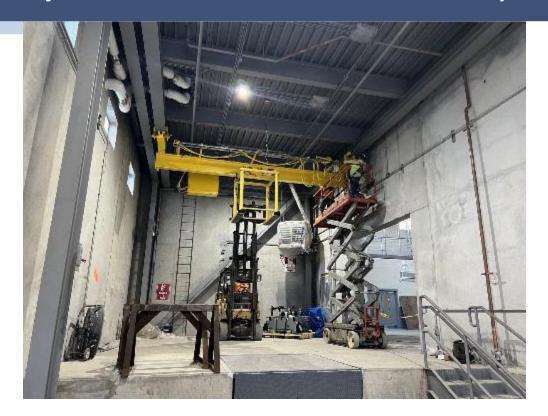
Delay Explanation:





External Storage Shelters





Loading Dock – Crane Installation



Justi	ficatio	n of	Need
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Priority of Project:

Percent Time Used:

DBF:

ustification of Need:	problems with running the new fleet at the service levels proposed. To continue providing a reliable and safe service, it is necessary to build two (2) new traction power substations, one at Barry and the other at Damen with all their infrastructure support along with installing a new Tie Breaker house in the Dearborn subway. Also, the project includes the replacement of all traction power equipment at the Haymarket substation.

Total Project Budget: \$122.8 Million

Construction Contract Value: \$67.9 Million

High

Earned to Date: 67% (As of November 2023)

Percent Change Orders to Construction Contract: 16.7%

Goal: 25% Commitment: 25.3%

Funding Source: CTA Bonds / Rebuild Illinois

Estimated Start Date/Estimated Length of Project:

Designer of Record: TYI in

Construction Manager/General Contractor: WSP / John Burns Construction

The CTA has identified additional traction power demands based on results from the Blue Line Load Flow study and determined that three (3) areas along the blue line O'Hare branch and Dearborn subway may experience

72% (As of November 2023)

Workforce Goals: 10% Career Opportunity/ 8% Apprentice/ 25% EDA Contract is on track to meet the DBE goal

NTP: October 20, 2021, Estimated Duration 1020 days/Substantial Completion August 5, 2024



Impact on Customers:	Minor service disruptions during track access occurrences.
Benefit to System:	The new Traction Power Substation will increase service reliability to the Blue Line.
Benefit to Community:	New buildings will enhance and will blend with the surrounding community and will benefit transit riders in the Blue Line with a safer and more reliable service.
Impact on Accessibility:	N/A
Customer Communication Need:	Construction Activity Notices.

Comparable Projects:

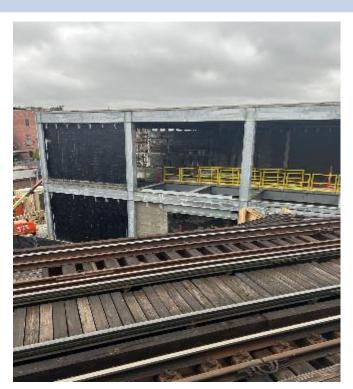
East Lake, Milwaukee & Illinois (ELMI) and Broadway substations

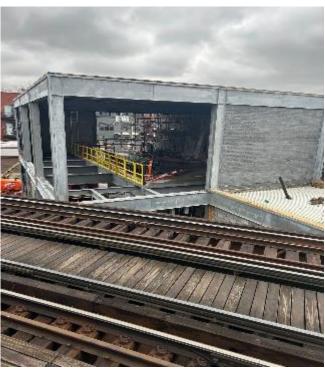


Construction Progress

Phase	Description	Status
Haymarket Substation	 Install new electrical equipment Build building interior, flooring, rooms and finishes Equipment testing and commissioning. 	Ongoing Ongoing Ongoing
Canal Tie- House	 Commission Tie-House Install new Canal Tie-House equipment Install, form, and pour new Ductbank 2 	Upcoming Completed Completed
Damen Substation	 Fabricate new substation electrical equipment Build building exterior walls and roof Build building interior, flooring, rooms and finishes 	Ongoing Ongoing Upcoming
Barry Substation	 Building exterior walls and roof. Site excavation and preparation for grade beams. Installation of foundation grade beams 	Ongoing Completed Completed
Belmont Crossover	Punchlist work.	Ongoing

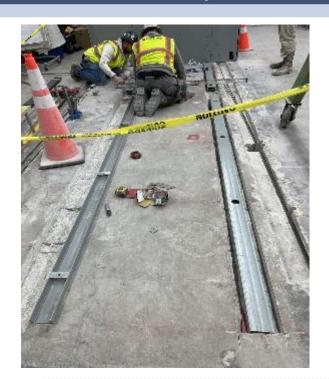


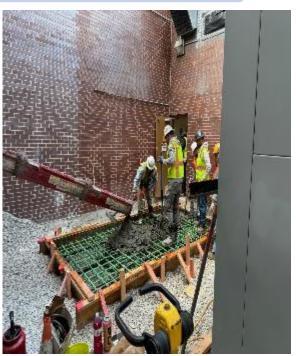




View of Substation Masonry work at Damen



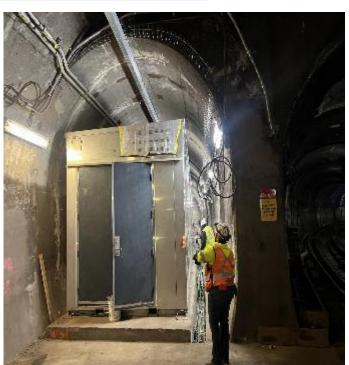




Installation of Switchgear Leveling Channels and Transformer Pad at Haymarket

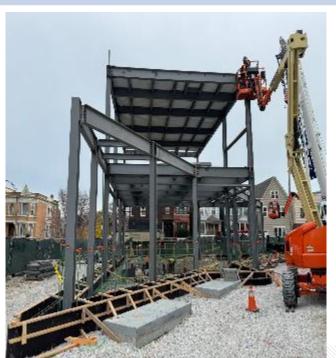






Canal Tie-House Installation







Structural Steel Erection and Forming Stem Wall at Barry



Justification of Need:	The Refreshed & Renewed Program is a CTA Facilities Maintenance implemented plan to promote safety, security and longevity to all CTA Facilities including, but not limited to: Rail Stations and Platforms, Bus Garages and Rail Shops across the system. The Refreshed & Renewed Program performs major improvement work at these transit operations facilities for both the customer and the internal needs of the Authority.
Priority of Project:	Medium
Total Project Budget:	\$6,500,000
Expended to Date:	\$3,596,210.2
Used last Month:	\$ 304,701.23
Funding Source:	Various
Estimated Start Date/Estimated Length of Project:	January 2021 to December 31, 2023
Contractor	CTA Forces

92 Rail stations will receive lighting upgrades, painting and deep cleaning as part of this program.

29 stations will have a detailed Scope of work which includes:

- Maintaining Cleanliness throughout public, as well as back-of-house areas
- Ensuring stations are graffiti free;
- · Re-painting painted surfaces;
- Maintaining pathways of ingress and egress are clear of obstruction;
- · LED lighting conversions and component;
- · Removing obstructions from windows and store front systems that may impede natural light and safe viewing points.
- · Address and repair any unsafe defects such as spalling concrete and rotted wooden platforms;
- Replacing outdated and damaged signage;
- Maintaining a warm/cool working environment.



Department	Description	Status
Facility Maintenance	Rail Stations Full Program Scope 29 Stations (29 of 29 Completed) Laramie/Green Addison/ Brown Line Francisco/ Brown Main/ Purple Clark/ Division/ Red Jefferson Park/ Blue Washington/Wells/Loop Irving Park/ Blue Logan Square/ Blue Division/Blue Chicago/Brown Belmont/Blue Irving Park/Brown Pulaski/ Pink Monroe/Blue Linden/Purple	Completed
	Bus Turnaround Full Program (12 of 12 Completed)	Completed Completed Completed Completed Completed Completed

Delay Explanation:

N/A



Before After





Pulaski/Pink – Repaint all exterior structure, column and stripe curb line safety yellow







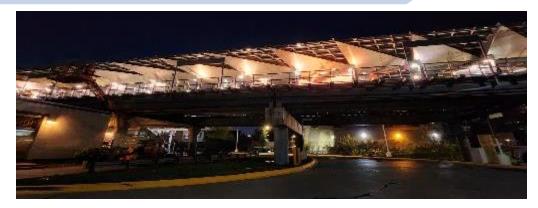
After



Pulaski/Pink- Paint all staircase stringers, inspect stair treads, paint all side rails & steel. Replace light fixture with new LED



Before



After



Pulaski/Pink – Replaced all lighting with LED lights



Before



After



Linden/Purple – Epaint all doors, replace lamps with LED and epoxy coat all concrete, back of house floors



Before



After



Linden/Purple – Preplace all exterior wall pack with new LED fixtures



Before After



Linden/Purple – Repair all pitted, cracked & spauling concrete floors inside station house



Before







After







31st & Komensky/BTA – Paint all bollards, curb lines and guard rails throughout



Justification of Need:	The RPM Phase One Project is greatly needed in order to expand capacity on CTA's most utilized rail line and to replace aging infrastructure.	
Priority of Project:	High	
Total Project Budget:	\$ 2.1 Billion (excludes Transit TIF interest payments)	
Construction Contract Value:	Original - \$1,272,275,929 Current - \$1,364,324,117	
Earned to Date:	69.08%	
Percent Change Orders to Construction Contract:	7.2%	
Percent Time Used:	71.38%	
DBE:	Design: Goal: 20% / Commitment: 20.64% Construction Goal: 20% / Commitment: 20% Workforce Goals: 10% WIOA / 15% Apprentice / 35% EDA	Contractor is on track to meet the DBE goal
Funding Source:	CTA Financing, FTA Core Capacity Grant, CMAQ, TIFs	
NTP / Construction Start / Estimated Completion:	February 8, 2019 / October 2019 / 2025	
Design-Build Contractor:	Walsh-Fluor Design-Build Team	
Owners Representative:	Elevated Solutions Partners	

Detailed Overview of Scope: RPM Phase One consists of the following elements that will allow CTA to expand service along the Red and Purple lines:

- Lawrence to Bryn Mawr Modernization (LBMM) complete reconstruction and addition of ADA accessibility at four Red Line stations (Lawrence, Argyle, Berwyn, and Bryn Mawr) and reconstruction of 6 miles of track, structures, and viaducts from Leland Ave. to Ardmore Ave.
- Red-Purple Bypass (RPB) Construction of a grade-separated bypass for the Brown Line at Clark Junction, just north of Belmont Ave. Includes realignment and
 reconstruction of 1.4 miles of mainline tracks and structure between Belmont station and south of Cornelia Ave.
- Corridor Signal Improvements (CSI) Installation of new higher-capacity signal system on 23 miles of track between Belmont and Howard stations.



Phase	Description	Status
Administrative / Design:	 Continued submittal/revisions of required management plans Continued Design Development in support of Red-Purple Bypass, Lawrence to Bryn Mawr Modernization, and Corridor Signal Improvements 	Ongoing Ongoing
Construction:	 Red-Purple Bypass (RPB) Ravenswood structure rehabilitation North Mainline Stage 2 track work North Mainline Structure rehabilitation Installation of signal cabling for permanent bypass track equipment Installation of traction power positive and negative cables below the new structure Installation of traction power positive and negative cables below the new Structure Installation of contact rail and auxiliary negative return rail on the new North Mainline deck Pre-testing of signal circuits at Clark, Barry, and Addison Relay Houses Cutover of Communications circuits to new infrastructure Lawrence to Bryn Mawr Modernization Pre-cast Segment fabrication structure Stage A Punchlist work Viaduct Demolition Embankment Excavation Retaining Wall Demolition and Removal Drilled shaft installation Concrete substructure work Corridor Signal Improvements (CSI) Stage A systems punchlist activities Cutover the Flyover track between Clark Junction Interlocking and Kenmore Interlocking from AF-800 to DGTrack Installation of signal equipment along the RPB North Mainline Structure Terminations of signal equipment along the RPB North Mainline Structure Terminations of signal cabling at Clark Junction Relay House and adjacent tie-in houses Testing and cutover of fiber optic cabling to Signal Houses and Comm Rooms Pre-testing of Clark RH, Kenmore RH, Lakewood-Seminary RH, and Barry RH signal circuits ahead of remaining RPB Stage 3 cutovers	Ongoing Complete Ongoing Complete Ongoing Complete Ongoing Ongoing Complete Ongoing Complete Ongoing Complete Ongoing Complete



Red-Purple Bypass



Cut and Throw Weekend #1



Red-Purple Bypass



Cut and Throw in Service



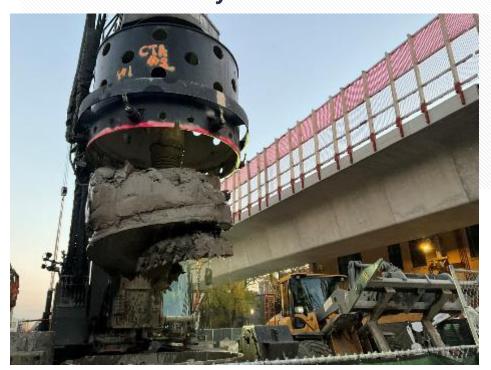
Lawrence to Bryn Mawr Modernization



Steel Erection Ardmore



Lawrence to Bryn Mawr Modernization



Bryn Mawr Drilling Operations



Lawrence to Bryn Mawr Modernization



Column Concrete Pour



	Outreach type	Major Activities	Timing
Community	The RPM team provided a construction tour to the IL Asian-American Civil Engineers group	Weekly Red-Purple Bypass Project updates for 44 th ward Lawrence to Bryn Mawr project updates for 46 th , 48 th wards Illinois Asian-American Civil Engineers project tour RPM tour with USDOT CFO Victoria Wassmer and FTA Regional Administrator Kelley Brookins RPM monthly virtual office hours RPM Next Phases virtual public meeting	Weekly Bi-weekly Nov. 7 Nov. 9 Nov. 14 Nov. 14
Workforce & SBE/DBE	CTA and Walsh-Fluor hosted a three-day Tracks to Trade Event.	Monthly DBE/Workforce Outreach & Compliance Meeting Job Corps Tracks to Trades Event DBE and Workforce Numbers as of 11/30/2023 Dollars Awarded To Date: \$268,719,255 Unique DBE Firms To Date: 118 Unique Firms New to CTA: 53 Total Labor Hours Produced: 1,502,809 Total Dollars Earned: \$87,981,659 Jobs created to date (construction trade labor on the designbuild team): 2,047 individuals	Ongoing Nov 13, 15 & 17