



September 22, 2023



CDOT - Lake Line - Damen Station

- <u>Non-Revenue Maintenance</u>
- Traction Power Upgrades Canal Tie House, Barry and Damen Substations
- <u>Refresh & Renew Program</u>
- Forest Park Phase 1 Rebuild
- Red and Purple Modernization Project



Project Title: CDOT - Lake Line - Damen Station

Justification of Need:

| Priority of Project: | Medium |
|---|---|
| Total Project Budget: | |
| Construction Contract Value: | \$70,891,884 |
| Earned to Date: | 39% |
| Percent Change Orders to Construction Contract: | 5.3% |
| Percent Time Used: | 78% |
| 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 |



Project Title: CDOT - Lake Line - Damen Station

| 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

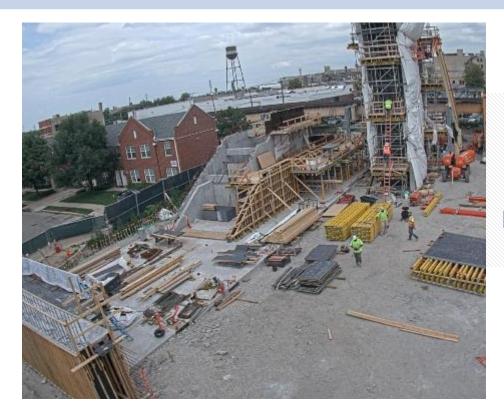
Project Title: CDOT - Lake Line - Damen Station

Construction Progress

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| Phase | Description | Status |
|--------------|--|------------|
| Construction | Pier & Column Replacements (west of Damen) | On-Going |
| | Reconstruct curbs and pour base course for Lake St (east of Damen) | On-Going |
| | Install and detail outbound exit stair (east end) | On-Going |
| | Erecting steel and detailing connections for North Tower and Stair enclosure | On-Going |
| | Station House interior wall pours | On-Going |
| | Install Shoring for Elevator steel / ACON Tower | Late Q3 |
| | Steel Delivery for Pedestrian Bridge | Planned Q4 |
| | | |
| | | |

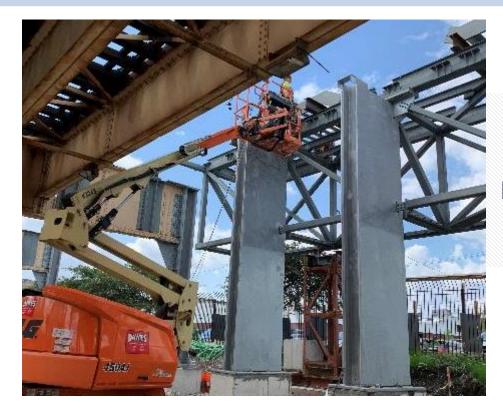
cta Project Title: CDOT - Lake Line - Damen Station



Damen Station

View of Station House and ACON Tower

cta Project Title: CDOT - Lake Line - Damen Station



Damen Station

Detailing Steel at North Tower / Stair enclosure



Project Title: Non-Revenue Rail Vehicle Facility

Justification of Need:

| Priority of Project: | Medium |
|---|---|
| Total Project Budget: | \$65,902,503 |
| Construction Contract Value: | \$44,370,833 |
| Earned to Date: | 54% (thru April 2023) |
| Percent Change Orders to Construction Contract: | 4% (Change Order #1 - \$1,694,221 - Executed October 4th, 2022) |
| Percent Time Used: | 85% |
| 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 803 Days - Change Order 1 |
| 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.

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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. | |
| Comparable Projects: | | |

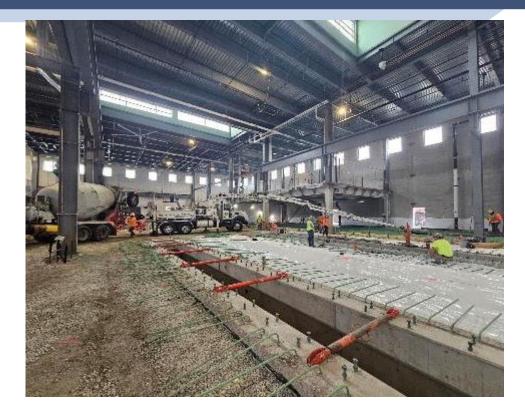


Construction Progress

| Phase | Description | Status |
|--------------|--|--|
| Construction | Design Phase Design Package 3 – W48 Waterline Permit W48 Parking Lot Design Final Design Construction Phase Maintenance Pit Wall/Slab Install Stairs To Mezzanine And Roof Pour Slab on Grade Duct banks Installation Fencing at 61st Pour Slab on Grade Installing CMU Walls Painting Walls Backfill at Maintenance Pits Storeroom 48 Waterline Installation | Complete In Progress Complete Complete In Progress In Progress |
| | Installing Paint and Blast BoothOil-Water Separator Installation | Upcoming Upcoming |

Delay Explanation:

Project Title: Non-Revenue Rail Vehicle Facility



Slab on Grade Pour #3B – Facing North

Project Title: Non-Revenue Rail Vehicle Facility



Building Interior – Looking Northeast

Justification of Need:

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 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.

| Priority of Project: | High |
|---|--|
| Total Project Budget: | \$122.8 Million |
| Construction Contract Value: | \$67.9 Million |
| Earned to Date: | 56% (As of July 2023) |
| Percent Change Orders to Construction Contract: | 16.7% |
| Percent Time Used: | 60% (As of July 2023) |
| DBE: | Goal: 25% Commitment: 25.3% Workforce Goals: 10% Career Opportunity/ 8% Apprentice/ 25% EDA Contract is on track to meet the DBE goal |
| Funding Source: | CTA Bonds / Rebuild Illinois |
| Estimated Start Date/Estimated Length of Project: | NTP: October 20, 2021, Estimated Duration 1020 days/Substantial Completion August 5, 2024 |
| Designer of Record: | TYLin |
| Construction Manager/General Contractor: | WSP / John Burns Construction |

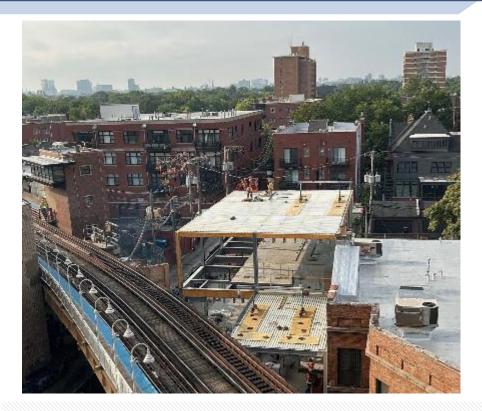
| Impact on Customers: | Minor service disruptions during track access occurrences. | |
|------------------------------|---|--|
| Benefit to System: | The new Traction Power Substation will increase service reliability to the Blue Line. | |
| Benefit to Community: | New buildings will enhance and will 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 equipmentBuild building interior, flooring, rooms and finishes | Ongoing Ongoing | |
| | Equipment testing and commissioning. | Upcoming | |
| Canal Tie- | Fabricate new Canal Tie-House equipment | Completed | |
| House | Install new Canal Tie-House equipmentInstall, form, and pour new Ductbank 2 | Ongoing Ongoing | |
| Damen Substation | Fabricate new substation electrical equipment | Ongoing Ongoing | |
| | Build building exterior walls and roofBuild building interior, flooring, rooms and finishes | Upcoming | |
| Barry | Building exterior walls and roof. | Upcoming | |
| Substation | Site excavation and preparation for grade beams.Caisson Installation | Ongoing Completed | |
| Belmont | Mobilize and demo existing traction power ductbanks | Completed | |
| Crossover | Install New Crossover, Ductbanks, and Cut-Ins Commission New Belmont Crossover | Completed Completed | |
| | | | |



Birds Eye of Damen Substation



Equipment Installation at Haymarket





Ductbank Vault Install at Barry



Project Title: Forest Park Phase 1 Rebuild

Justification of Need:

Improve eroded track conditions and address slow zones within project limits

| Priority of Project: | High |
|---|---|
| Total Project Budget: | \$112,212,000 |
| Construction Contract Value: | \$104,980,000 |
| Earned to Date: | 45% (thru August, 15, 2023) |
| Percent Change Orders to Construction Contract: | 0% |
| Percent Time Used: | 42% (thru August, 15, 2023) |
| DBE: | Goal: 30% Commitment: 30% Workforce Goals: 10% Career Opportunity/ 10% Apprentice/ 30% EDA Contract is on track to meet the DBE goal |
| Funding Source: | IDOT - Rebuild Illinois, CTA Bonds, TIF |
| Estimated Start Date/Estimated Length of Project: | NTP: 3/09/2023 Project Duration: 382 days (NTP through SC) |
| Designer of Record: | AECOM |
| Construction Manager/General Contractor: | Congress Corridor Partners, a joint between (WSP/Ardmore) / Kiewit Infrastructure Co. |

Detailed Overview of Scope:

• Rebuild 1.5 miles of tracks between the south portal of the Dearborn Subway, east of Halsted St., and the east end of the IMD Station near Damen Ave.

• Replace the Morgan Middle Special Trackwork, the Racine Siding tracks and track connections to Loomis inclines.

Right-of-way, civil, site, and drainage improvements along the project limits, including underground foundations for the Racine stationhouse and Morgan substation.

Miscellaneous improvements on the existing utilities, including traction power, communications and signal systems.



Project Title: Forest Park Phase 1 Rebuild

| Impact on Customers: | No rail service between IMD and LaSalle stations for 28 days and (Racine, UIC-Halsted, Clinton) stations will be OOS. No rail service between IMD and UIC-Halsted for 33 days and Racine station will be OOS. No access to Racine stationhouse from Racine street until completely rebuild, the Loomis stationhouse will remain in service during this time. Express and local bus shuttles will be provided during the linecut. |
|------------------------------|---|
| Benefit to System: | The project will address 1.5 miles of existing slow zones between IMD & Halsted. The project will reduce maintenance needs and extend the life of the track infrastructure. |
| Benefit to Community: | • When completed, the project is expected to provide 4 minute headway travel time between the Racine station and the loop, improving the overall commute quality for the Blue Line passengers in the surrounding medical, school and business districts. |
| Impact on Accessibility: | • None |
| Customer Communication Need: | GCR outreach with surrounding stakeholders. Construction activity notices will be distributed as needed. Advanced service disruption signs and posters will be installed as needed. |

Comparable Projects:

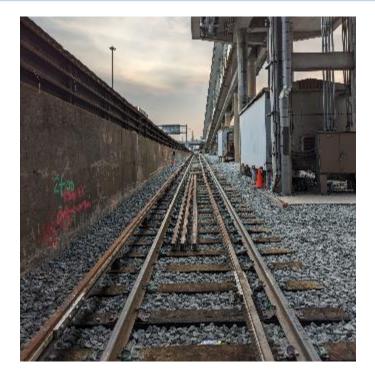
The Dan Ryan Track Renewal Improvements



Construction Progress

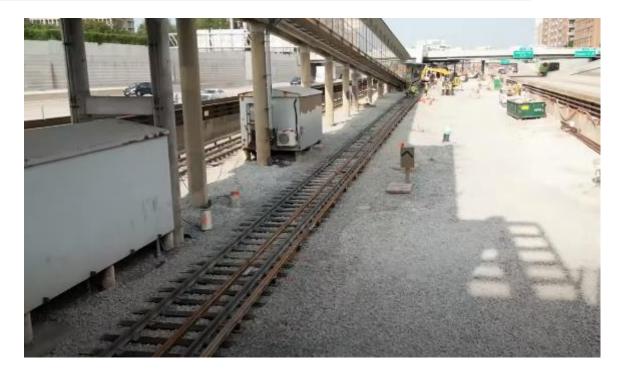
| Phase | Description | Status |
|----------------|--|---|
| Construction | Pre-Linecut Work: Mobilization and site setup at the Rush Lot staging site Advanced material procurement and delivery Installation of a temporary Fencing barrier & stair towers Utility investigation and potholing Pre-testing and assessment of Signal equipment Earthwork and mass excavations outside main track bed Advanced drainage & utility work outside main track bed Linecut Work: Demolition of the Racine stationhouse and ramp Demolition and removal of existing tracks Installing new foundations at Racine and Morgan Installing new ballast and utilities under track bed Installing new rail including all special trackwork Dearborn subway work (Rail, tunnel) Testing for mainline service restoration Post-Linecut Work: Testing and commissioning of Morgan Middle & TOs. | Completed Completed Completed Completed Ongoing Ongoing Completed Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Completed Planned |
| Delay Explanat | ion: | |

cta Project Title: Forest Park Phase 1 Rebuild



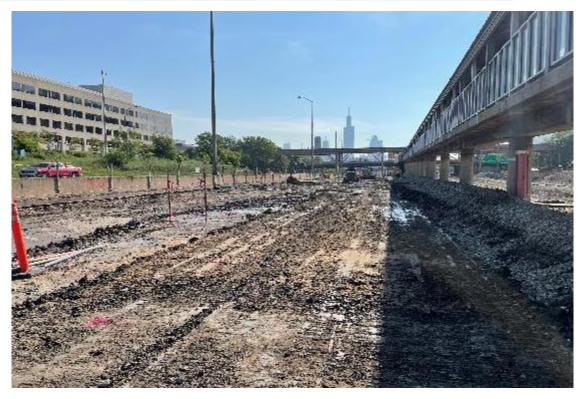
Halsted Station After

Project Title: Forest Park Phase 1 Rebuild



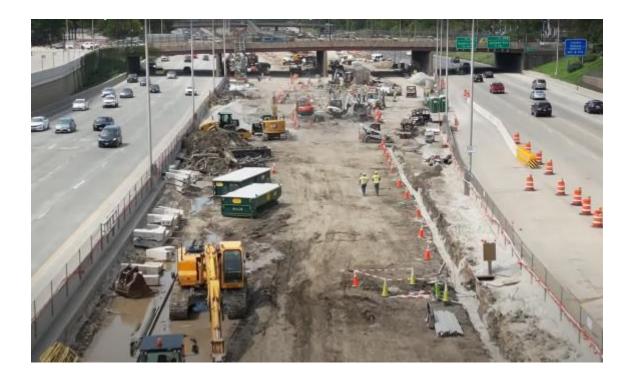
Stage A Completion

cta Project Title: Forest Park Phase 1 Rebuild



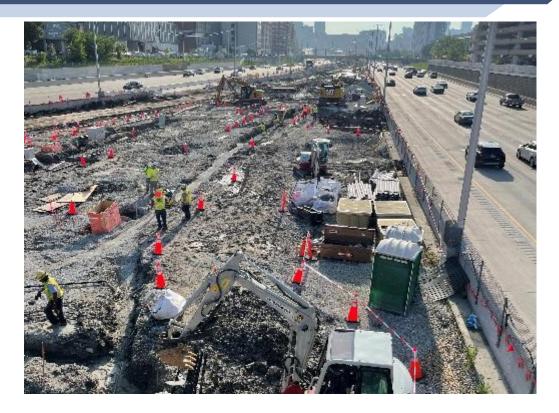
Mass Excavation & Grading by IMD Station





Morgan Middle Looking West

cta Project Title: Forest Park Phase 1 Rebuild



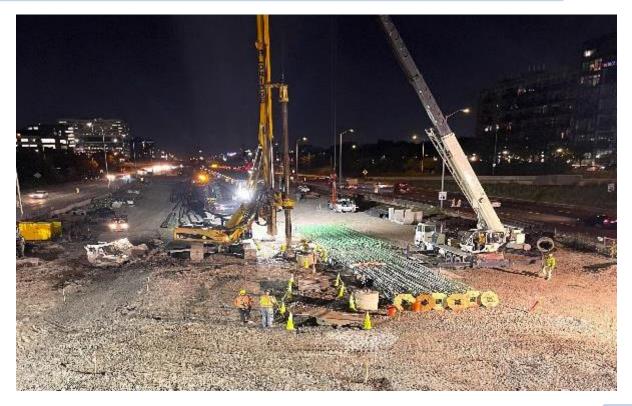
Morgan Middle Looking East





Duct Banks East of Racine

Project Title: Forest Park Phase 1 Rebuild



Cassions and Deep Foundations at Racine



| 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: | \$2,539,929.53 | |
| Used last Month: | \$ 368,817.41 | |
| 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.



| Impact on Customers: (Slow zones, single tracks, reroutes, weekends, etc.) | No track access occurrences within the scheduled work of the Refreshed & Renewed program will affect customers. Minimal impacts to customers will be work-arounds at any given station/ facility that may affect customers, or employees, for a relatively short amount of time (Typically less than 1 day.) |
|--|--|
| Benefit to System: | The Refreshed & Renewed Program is implemented to promote the continued safety, security and longevity of all CTA Facilities including, not limited to: Rail Stations and Platforms, Bus Garages and Rail Shops across the system. |
| Benefit to Community: | Improved overall lighting and wayfinding signage, newly painted & refreshed stations, safety, cleanliness and appearance. Focus on the Customer experience, both Internal and external. |
| Comparable Projects: | |

- Station Renewal
- Logan Square Station Renewal



| Department | Description | Status |
|----------------------|--|--|
| Facility Maintenance | Rail Stations Full Program Scope 29 Stations (12 of 29 Completed) Addison/Red Line 35th/Red Line 35th/Green Line Montrose/Brown Halsted/Orange Cicero/Green Howard/Red Sheridan Indiana/Green 35th/Corange Merchandise Mart 54th/Cermak/Pink Laramie/Green Addison/ Brown Line Bus Turnaround Full Program (9 of 12 Completed) 79th & South Shore 63rd & Archer Central & Harrison Chicago & Austin 79th & Balsted 74th & Damen Archer & Neva 24th & Cicero North & Narragansett Belmont & Kimball | Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed Completed In-Progress Scheduled Completed Comp |
| | | 31 |



Before

After



Merchandise Mart – Paint all interior and replace lights with LED.









After

Merchandise Mart – Replace all lightening with LED



Before





After





35th/Archer – Replace exterior signage with new and add LED lightening to light boxes.



Before





Sheridan/Red – Replace Mezzanine storefront doors with salvaged doors from BrynMawr station demo, RPM Project



Before









Indiana/Green Line - Replace all light fixtures with LED



Before



Indiana/Green Line – Replace all platform light fixtures with LED

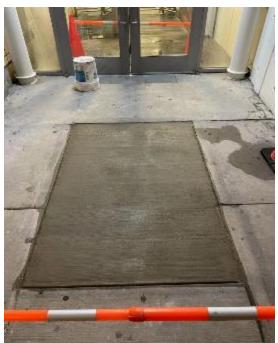
After



Before



After



54th/Cermak/Pink – Replace concrete slab causing a tripping hazard concrete slab with new slab, eliminating tripping hazard









After



54th/Cermak/ Pink– Replace all exterior & platform lights with LED



| 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: | 64.98% | |
| Percent Change Orders to Construction Contract: | 7.2% | |
| Percent Time Used: | 66.58% | |
| 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-Flour 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: Construction: | 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 Stage 2 structure rehabilitation North Mainline Stage 2 noisewall installation North Mainline special track and continuous rail installation Installation of signal cabling for permanent bypass track equipment Installation of cable brackets below the new North Mainline structure Installation of contact rail blocks on the new North Mainline deck | Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing |
| | Lawrence to Bryn Mawr Modernization Pre-cast Segment fabrication Stage A Punchlist work Bryn Mawr Temp A Station Demolition Retaining Wall Demolition and Temp Sheeting Removal of decommissioned signal, track, traction power and communications materials along tracks NM1 and NM2 following the stage change. | Ongoing Ongoing Started Started Started |
| | Corridor Signal Improvements (CSI) Stage A systems punchlist activities Preparations along NM5 at Clark Junction Interlocking and Kenmore Interlocking for the migration of AF-800 to DGTrack on NM5 Installation of signal equipment along the RPB North Mainline Structure Terminations of signal cabling at Clark Junction Relay House and adjacent tie-in houses | Ongoing Ongoing Ongoing Ongoing |
| Delay Explanation: | | |



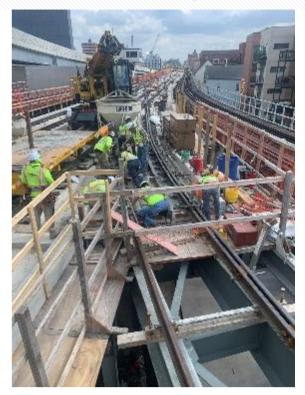
Lawrence to Bryn Mawr Modernization



Stage B Ceremonial First Train



Red-Purple Bypass



North Main Line Curve Plinth Installation



Lawrence to Bryn Mawr Modernization



Embankment Wall Removal



Lawrence to Bryn Mawr Modernization



Ardmore Viaduct Demolition



Lawrence to Bryn Mawr Modernization



Embankment Soil Removal near Balmoral

cta

| | Outreach type | Major Activities | Timing |
|---------------------|--|---|--|
| Community | ARGYLE STATION STATION Visual notetaking during the Argyle station "neighborhood identifier" creative workshop | Weekly Red-Purple Bypass Project updates for 44th ward Lawrence to Bryn Mawr project updates for 48th ward Rogers Park Chamber of Commerce meeting RPM August virtual office hours FTA RPM project tour Argyle Night Market RPM station "neighborhood identifier" art meeting outreach/flyering Workshops to develop "neighborhood identifiers" for new Lawrence, Argyle, Berwyn and Bryn Mawr Red Line stations | Weekly Bi-weekly August 3 August 7-8 August 10 August 10 August 28 August 29-30 |
| Workforce & SBE/DBE | Attendees at the Q3 Workforce Outreach Event at Truman College | Monthly DBE/Workforce Outreach & Compliance Meeting Q3 Workforce Outreach Event DBE and Workforce Numbers as of 8/31/2023 Dollars Awarded To Date: \$243,168,320 Unique DBE Firms To Date: 96 Unique Firms New to CTA: 40 Total Labor Hours Produced: 1,387,820 Total Dollars Earned: \$80,964,488 Jobs created to date (construction trade labor on the design-build team): 1,938 individuals | Ongoing August 8 |