

Construction Project Briefing

March 8, 2017



Today's Presentation

- **95th Street Terminal Improvement Program**
- **Wilson Transfer Station, Track, and Structure Reconstruction**
- **Ravenswood Loop Signals Upgrade Project**
- **Illinois Medical District (IMD) Rehabilitation Project**



Project Title: 95th Terminal Improvement Program

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| 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: \$180,000,000 |
| Earned to Date: | Advance Package 1: 100% Advance Package 2: 96% Main Terminal Contract: 11% |
| Percent Change Orders to Construction Contract: | Advance Package 1: (0.3%) Advance Package 2: 7% Main Terminal Contract: 0% |
| Percent Time Used: | Advance Package 1: 100% Advance Package 2: 100% Main Terminal Contract: 41% |
| DBE: | Advance Package 1: Goal: 30% / Commitment: 35.19% / Current Attainment*: 37.26% Advance Package 2: Goal: 30% / Commitment: 30% / Current Attainment*: 32.03% Main Terminal Contract: Goal: 27% / Commitment: 27% 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

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| Estimated Start Date/Estimated Length of Project: | Advance Package 1: NTP Issued June 6, 2014 / 180 days Advance Package 2: NTP Issued July 24, 2014 / 661 days Main Terminal Contract: NTP Issued Nov 24, 2015 / 1118 days |
| 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

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| 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: | 3,120 (Direct, Indirect and Induced), 652 (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. |

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



Project Title: 95th Terminal Improvement Program

Construction Progress

| Phase | Description | Status |
|---|---|---------|
| <p>Close-out Advance Package 2: Dan Ryan Retaining Walls</p> | <ul style="list-style-type: none"> ▪ CTA issued Substantial Completion for Milestone 2 on May 15, 2016. ▪ Field work punchlist work is complete. ▪ Administrative close-out is ongoing. | Ongoing |
| <p>Design/ Pre-Construction Main Terminal Contract</p> | <ul style="list-style-type: none"> ▪ Design progression on Design Package 5: North Terminal is ongoing. ▪ Contractor is evaluating various Trade Work Package (TWP) bids, such as Bus Canopy Steel, Storefront & Curtainwall, and Site Terminal Interior Building Trades. ▪ Bid solicitation is in development for Building and Site Signage. ▪ The following Concurrence of Awards (COA) were executed: <ul style="list-style-type: none"> ▪ COA-9: South Terminal Bus Canopy Panels, Directional Drilling, Site Utilities | Ongoing |
| <p>Construction Main Terminal Contract</p> | <ul style="list-style-type: none"> ▪ 95th Interlocking and 95th Signal House were removed from service. ▪ Temporary signal case assembly on the platform and circuitry testing was completed. ▪ 95th St. Bridge Pier Extension Rebar and Formwork installed ▪ South Terminal Building west steel columns and cross bracing beams installed | Ongoing |

Delay Explanation:

N/A



Project Title: 95th Terminal Improvement Program



95th St Bridge Pier Extension Rebar and Formwork Installation



Project Title: 95th Terminal Improvement Program



South Terminal Building West Steel Installation



Project Title: 95th Terminal Improvement Program



South Terminal Building West Steel Installation



Project Title: Wilson Transfer Station, Track & Structure Reconstruction

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| Justification of Need: | The Station is functionally obsolete and does not allow for optimal transit operations. |
| Priority of Project: | High |
| Total Project Budget: | \$206 M |
| Construction Contract Value: | \$ 152,370,000 |
| Earned to Date: | 62% |
| Percent Change Orders to Construction Contract: | (0.7 %) |
| Percent Time Used: | 77% |
| DBE: | Goal: 25% / Commitment: 27.52% Outreach events conducted: 1 |
| Funding Source: | Federal, State, Bond and TIF |
| Estimated Start Date/Estimated Length of Project: | NTP 7/25/14; Substantial Completion 1/10/18 |
| Designer of Record: | HNTB |
| Construction Manager/General Contractor: | Arcadis/Walsh/II In One JV |

Detailed Overview of Scope: The station will replace the badly deteriorated station that was built in 1923. The station will have multiple entrances/exits and will include the following features:

- Two (2) new 26 foot – 10 car concrete island platforms with full canopies.
- New main station located on the south side of Wilson Ave., new auxiliary entrance/exit at Sunnyside Ave. and a new auxiliary entrance/exit on the north side of Wilson.
- New elevators, escalators, lighting, signage, fare control, security cameras and art work.
- Replace old existing elevated track structure with new track structure to accommodate the new station platform and the necessary infrastructure to support the new track alignment.



Project Title: Wilson Transfer Station, Track & Structure Reconstruction

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| Impact on Customers: | There will be minimum impact to CTA customers |
| Benefit to System: | <ul style="list-style-type: none"> • New modern, more spacious and accessible stationhouse with three (3) entrances. • Upgraded track structure infrastructure and signals for more reliable service. • New transfer point between Red and Purple express rail lines. |
| Benefit to Community: | <ul style="list-style-type: none"> • Modern facility with new system upgrades. • Easy access entrances through three (3) entry points. • Bigger platforms that will accommodate higher capacity for passengers to avoid overcrowding. • Platform canopies to protect customers from elements. • New ADA accessible station. |
| Impact on Accessibility: | Station will be fully accessible upon completion. |
| Estimated # of Jobs Created: | 560 |
| Customer Communication Need: | <ul style="list-style-type: none"> • Construction activity notices will be provided to inform businesses and residents regarding temporary stations and construction impacts (noise, dust, street/alley impacts) throughout the project. |

Comparable Projects:

- 95th Station – Red Line



Project Title: Wilson Transfer Station, Track & Structure Reconstruction

Construction Progress

| Phase | Description | Status |
|---------------------|---|-----------|
| Construction | <ul style="list-style-type: none"> • All track steel structure for phase 3 completed. | Completed |
| | <ul style="list-style-type: none"> • 2nd concrete pour for new track 3 close deck track completed | Completed |
| | <ul style="list-style-type: none"> • Open deck track structure (running rail and ties) for new track 3 at north and South limits continuous. | Ongoing |
| | <ul style="list-style-type: none"> • System testing for new track 3 continues | Ongoing |
| | <ul style="list-style-type: none"> • Installation of contact rail and chairs for new track 3 continuous. | Ongoing |
| | <ul style="list-style-type: none"> • Installation of east platform precast concrete panels continues. | Ongoing |
| | <ul style="list-style-type: none"> • Installation of partial east canopy steel structure continues. | Ongoing |
| | <ul style="list-style-type: none"> • Wilson main station build out continues. | Ongoing |
| | <ul style="list-style-type: none"> • Wilson main station escalator and elevator equipment installation continues. | Ongoing |
| | <ul style="list-style-type: none"> • Wilson auxiliary station build out continues | Ongoing |
| | <ul style="list-style-type: none"> • Sunnyside ramp steel structure and precast floor installation continues. | Ongoing |
| | <ul style="list-style-type: none"> • Cutover weekend is scheduled for March 11 Weekend | Planned |
| | <ul style="list-style-type: none"> • Open new track 3 for service. | Planned |
| N/A | | Planned |



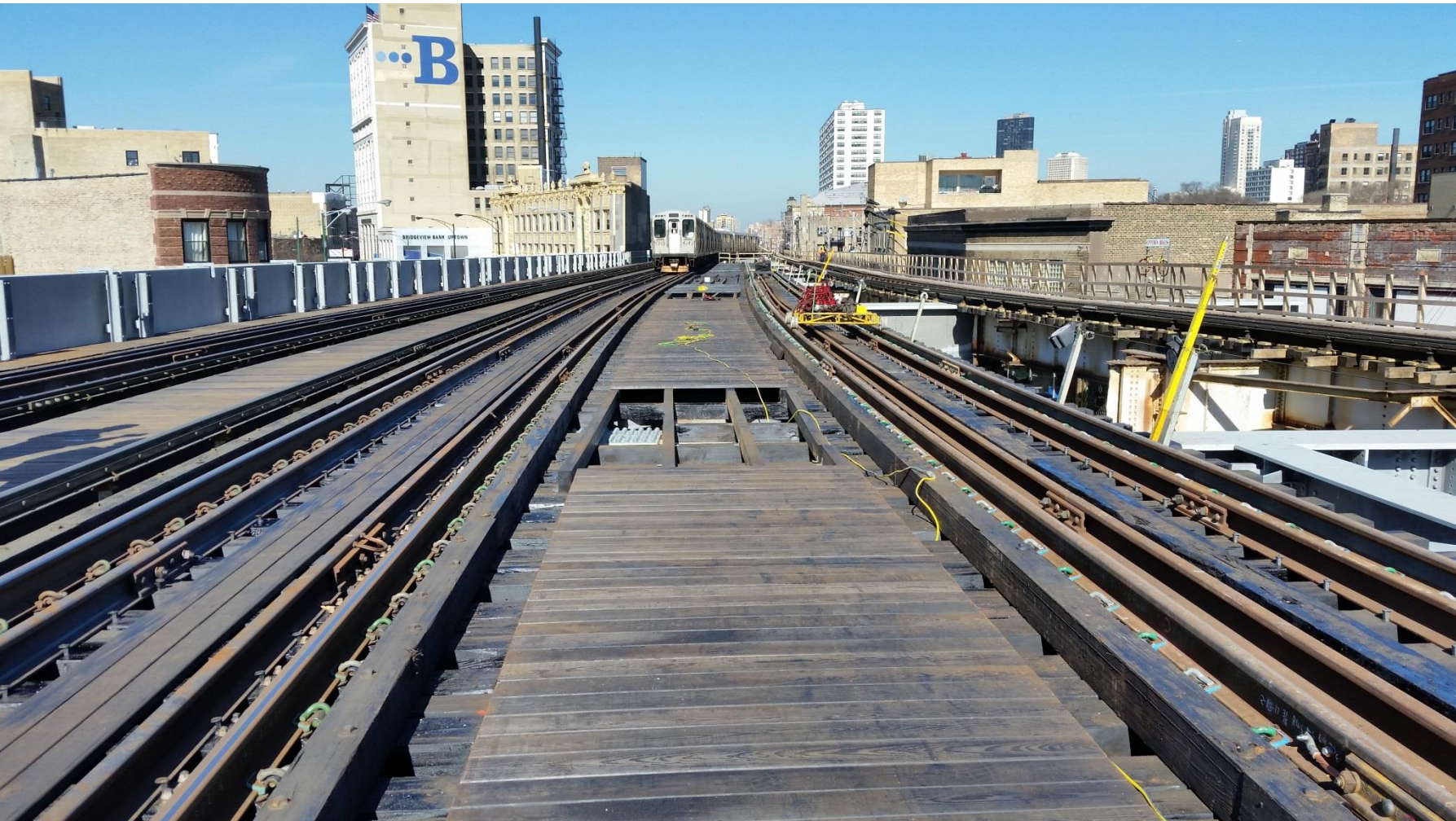
Project Title: Wilson Transfer Station, Track & Structure Reconstruction



Sunnyside west ramp build out



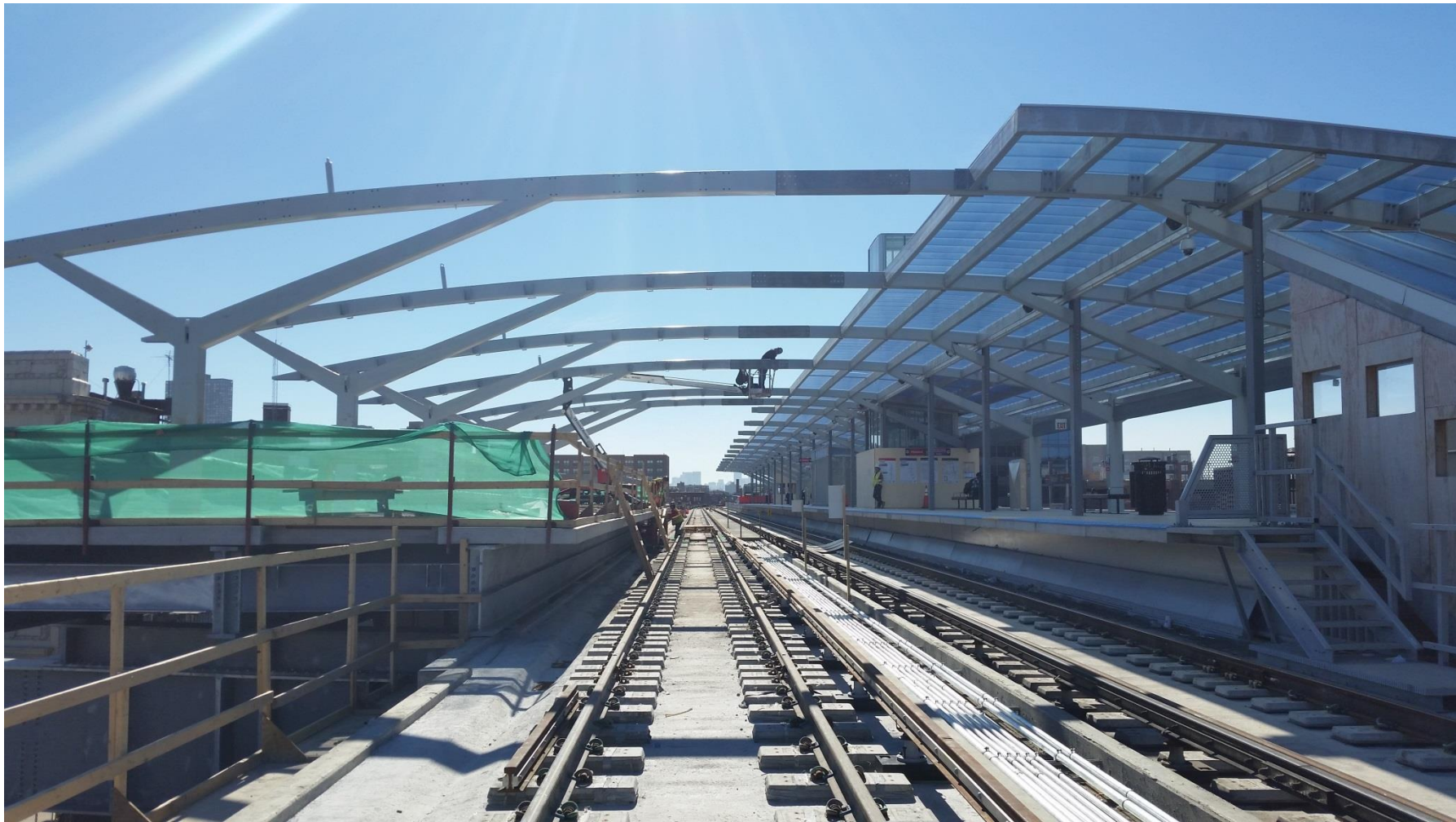
Project Title: Wilson Transfer Station, Track & Structure Reconstruction



New track 3 open track deck north end



Project Title: Wilson Transfer Station, Track & Structure Reconstruction



New platform canopy and new track 3



Project Title: Ravenswood Loop Signal Upgrade Project

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| Justification of Need: | The signal system for the Ravenswood Loop Connector section of the CTA Brown line was originally commissioned in 1975. In order to decrease headways and improve reliability, the system will be replaced with a new system. |
| Priority of Project: | High |
| Total Project Budget: | \$ 50 M |
| Construction Contract Value: | \$ 32.6M |
| Earned to Date: | 21.9% |
| Percent Change Orders to Construction Contract: | 0 |
| Percent Time Used: | 62% |
| DBE: | Goal: 10% / Commitment: 10% Outreach events conducted: 1 (CTA) |
| Funding Source: | CTA PBV, CTA Bonds, FTA |
| Start Date/Length of Project: | November 4, 2015 – January 3, 2018 |
| Designer of Record: | Parsons Transportation |
| Construction Manager/General Contractor: | Parsons Brinckerhoff/Ragnar Benson Construction, LLC |

Overview of Scope: The signal system upgrade will include the following features:

- Removal of all existing signal equipment, cabling, and signal platforms.
- Design & install new platforms, cabling, cable support brackets, and signal equipment.
- Communication network design, configuration, installation, and commissioning.



Project Title: Ravenswood Loop Signal Upgrade Project

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| Impact on Customers: | 54 hour line cut to cut over new signal system. |
| Benefit to System: | <ul style="list-style-type: none"> • Decreased headways • More reliable equipment • More robust signal network • Better diagnostic abilities • More reliable track circuit indications • Added loss of shunt detection system • Optimized curve speeds (potentially reduce run times) |
| Benefit to Community: | <ul style="list-style-type: none"> • Maximizing number of trains allowed in the corridor. • Less customer inconvenience due to signal system malfunction. |
| Impact on Accessibility: | None |
| Estimated # of Jobs Created: | 89 |
| Customer Communication Need: | <ul style="list-style-type: none"> • Construction activity notices will be provided to inform businesses and residents regarding line cut and construction impacts (noise, dust, street/alley impacts) throughout the project. |

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| Comparable Projects: |
| <ul style="list-style-type: none"> • Loop Signal Project • Dearborn Signal Project |



Project Title: Ravenswood Loop Signal Upgrade Project

Construction Progress

| Phase | Description | Status |
|---------------------|--|-----------|
| Construction | <ul style="list-style-type: none"> • Project Design Phase. | Completed |
| | <ul style="list-style-type: none"> • Notice to Proceed for Construction Phase issued August 4, 2016. | Completed |
| | <ul style="list-style-type: none"> • Installation of cable brackets and cable. | Ongoing |
| | <ul style="list-style-type: none"> • Installation of foundations and structural steel to support new signal houses. | Planned |
| | <ul style="list-style-type: none"> • Installation of new signal houses. | Planned |
| | <ul style="list-style-type: none"> • Installation of new signal equipment. | Planned |
| | <ul style="list-style-type: none"> • Integration and troubleshooting of new system. | Planned |
| | <ul style="list-style-type: none"> • System Cutover. | Planned |



Project Title: Ravenswood Loop Signal Upgrade Project



Installation of cable brackets and messenger wire ongoing



Project Title: Illinois Medical District (IMD) Rehabilitation Project

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| Justification of Need: | To improve the accessibility of the Illinois Medical District Station and rehabilitate the station to a state of good repair. The project will make all three station entrances ADA accessible, including the addition of an elevator to the Ogden entrance. |
| Priority of Project: | High |
| Total Project Budget: | \$23 M |
| Construction Contract Value: | \$14,221,000 |
| Earned to Date: | 2% |
| Percent Change Orders to Construction Contract: | 0% |
| Percent Time Used: | 36% |
| DBE: | Goal: 30%, Commitment: 30% |
| Funding Source: | TIF |
| Estimated Start Date/Estimated Length of Project: | NTP: September 26, 2016 Substantial Completion (406 days after NTP) – November 6, 2017 |
| General Contractor: | McHugh Construction/ UJAMAA Joint Venture |
| Construction Manager / Owners Representative: | STV |

Detailed Overview of Scope:

The Illinois Medical District Rehabilitation Project will rehabilitate the Damen and Paulina stationhouses and concourses through structural reinforcements and upgraded exterior envelopes & interior improvements. The project will reconstruct and expand the Ogden stationhouse providing new upgraded electrical service and elevator access to the platform as well as reinforced structural components. Platform restorations and improvements will also be incorporated. All three station entrances will be ADA compliant and will incorporate lighting improvements, communication system improvements and signage upgrades.



Project Title: Illinois Medical District (IMD) Rehabilitation Project

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| Impact on Customers: | <p>Station will remain open at all times. Temporary Station Entrance closures will occur and access to portions of the platform will be limited during phased construction work. ADA accessibility will be maintained at either the Paulina Stationhouse or Damen Stationhouse during all phases of construction.</p> <ul style="list-style-type: none"> • 50 maximum nightly single track occurrences. • 5 maximum weekend single track occurrences. • Partial platform closures |
| Benefit to System: | Improved customer circulation. Provides accessibility to customers with disabilities at all 3 entrances of IMD Station which maintains the highest ridership on the Congress Branch. |
| Benefit to Community: | Improved aesthetics and pedestrian safety with new metal panel stationhouse exteriors, stainless steel stationhouse interior panels & new stationhouse storefronts. Upgraded LED lighting, upgraded communication systems and new signage. |
| Impact on Accessibility: | New elevator installation at Ogden Stationhouse. Concrete resurfacing of Damen & Paulina Concourses. |
| Estimated # of Jobs Created: | 63 |
| Customer Communication Need: | Construction activity notices will be needed to alert customers, businesses and residents to temporary entrance closures, weekend and night work occurrences. Extensive communication will be required for weekend closures and for extended partial platform closures. |

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| Comparable Projects: |
| <ul style="list-style-type: none"> • Quincy Loop Station Upgrade • YNB 5-Stations Project |



Project Title: Illinois Medical District (IMD) Rehabilitation Project

Construction Progress

| Phase | Description | Status |
|---------------------|---|---|
| Construction | <ul style="list-style-type: none"> ▪ Notice to Proceed issued September 26, 2016 ▪ Review of Submittals and Process Plans ▪ Paulina Temp ADA Accessibility Work ▪ Damen Entrance Closure for Rehabilitation ▪ Damen Concourse Rehabilitation ▪ Partial Platform Rehabilitation ▪ Ogden / Paulina Entrance Closure for Rehabilitation | <p>Complete</p> <p>Ongoing</p> <p>Complete</p> <p>Complete</p> <p>Ongoing</p> <p>Ongoing</p> <p>Planned</p> |

Delay Explanation:

N/A



Project Title: Illinois Medical District (IMD) Rehabilitation Project



Damen Entrance Stationhouse Demolition



Project Title: Illinois Medical District (IMD) Rehabilitation Project



Damen Concourse Demolition

