

Construction Project Briefing

May 11, 2016



Today's Presentation

- **95th Street Terminal Improvement Program**
- **Wilson Transfer Station, Track, and Structure Reconstruction**
- **O'Hare Line – Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovations (Your New Blue)**
- **Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork Project**



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: \$180,000,000
Earned to Date:	Advance Package 1: 100% Advance Package 2: 87% Main Terminal Contract: 3%
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: 96% Main Terminal Contract: 12%
DBE:	Advance Package 1: Goal: 30% / Commitment: 35.19% / Current Attainment*: 37.26% Advance Package 2: Goal: 30% / Commitment: 30% 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

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
Project Manager:	Katrina Denny (PM), Brittany Dyra (GM)

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:	3,120 (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.

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



Project Title: 95th Terminal Improvement Program

Construction Progress

Phase	Description	Status
<p>Construction Advance Package 2: Dan Ryan Retaining Walls</p>	<ul style="list-style-type: none"> ▪ Concrete ductbank installation for electrical and fiber optic cables is under construction. ▪ Shoulder restoration work is ongoing. 	<p>Ongoing</p>
<p>Design/ Pre-Construction Main Terminal Contract</p>	<ul style="list-style-type: none"> ▪ CTA returned comments on the Design Package 3: Bridges/Structures Final Submittal. ▪ Design progression on Design Package 4: South Terminal and Design Package 5: North Terminal is ongoing. ▪ Trade work package solicitation for south terminal foundations was issued by the DBC. ▪ Construction to begin 2nd Quarter in 2016. 	<p>Ongoing</p>

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



Project Title: 95th Terminal Improvement Program



Concrete ductbank installation



Project Title: 95th Terminal Improvement Program



Dan Ryan Expressway shoulder restoration work



Project Title: Wilson Transfer Station, Track & Structure Reconstruction

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:	39% (through April)
Percent Change Orders to Construction Contract:	(0.8 %)
Percent Time Used:	52%
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
Project Manager:	Pedro Hurtado (PM), John Titzer (GM)

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

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:
<ul style="list-style-type: none"> • 95th Station – Red Line



Project Title: Wilson Transfer Station, Track & Structure Reconstruction

Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none"> • Stage II commenced on March 21st. Track 2 will be out of service until late October 2016. 	Completed
	<ul style="list-style-type: none"> • Masonry wall construction continues in Main Station House, escalator and elevator equipment installation is on-going. 	Ongoing
	<ul style="list-style-type: none"> • The GC completed the removal of track material from track 2 in April. The demolition of track 2 steel is on-going. 	Ongoing
	<ul style="list-style-type: none"> • Temporary structural shoring installation started south of Wilson. 	Ongoing
	<ul style="list-style-type: none"> • Caisson excavation started on April 21st. A total of 12 caissons will be installed south of Wilson for this stage 	Ongoing
	<ul style="list-style-type: none"> • Started forming track 2 deck in preparation for rebar installation and the first track deck concrete pour. This steel was installed in Stage I 	Ongoing
	<ul style="list-style-type: none"> • Pour foundations and pedestals for new track 2 structural steel. 	Planned



Project Title: Wilson Transfer Station, Track & Structure Reconstruction



Temporary shoring and track 2 steel removal



Project Title: Wilson Transfer Station, Track & Structure Reconstruction



Old track 2 track stringer removal



Project Title: O'Hare Line – Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovations (Your New Blue)

Justification of Need:	To return the stations to a state of good repair. The Addison station will be made accessible with the addition of a new elevator.
Priority of Project:	High
Total Project Budget:	\$43,000,000
Construction Contract Value:	\$25,564,645
Earned to Date:	20.06% (thru Invoice #10, thru end of March)
% Change Orders to Construction Contract:	0%
Percent Time Used to Date:	69% (thru end of April)
DBE:	Goal: 26% / Commitment: 26% Outreach events conducted: 1 (CTA) 3 (FH Paschen)
Funding Source:	Federal, State, Bond
Estimated Start Date/Estimated Length of Project:	Design NTP – April 23, 2015 Start of Construction (+/-187 days after NTP) – November, 2015 Substantial Completion (540 days after NTP) – October, 2016
Designer of Record:	Muller and Muller
Construction Manager/General Contractor:	Parsons Brinckerhoff (CM), / F.H. Paschen, S.N. Nielson (GC)
Project Manager:	Steven Mascheri (GM); Mario Battle (PM)

Detailed Overview of Scope:

The O'Hare Line- Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovation Project will upgrade five stations along the O'Hare Blue Line. The project goals are to improve reliability, increase capacity and reduce travel time from downtown to the O'Hare airport station. The Addison station will receive an additional upgrade of an elevator to add accessibility for people with disabilities. All stations will receive new platform edge and topping replacement. Platform furniture will be rehabilitated and replaced as needed. Light fixtures will be will be provided with new lamps & ballasts, in addition all five stations are to be painted.



Project Title: O’Hare Line – Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovations (Your New Blue)

Impact on Customers:	<ul style="list-style-type: none"> • 146 maximum nightly single track occurrences. • 21 maximum weekend single track occurrences. Weekend station closures at Addison (4) and Montrose (2). • Partial platform closures (longitudinal). • Various station entrance closures at Irving Park, Cumberland, and Montrose.
Benefit to System:	Extensive renovations at all stations. Addison station will become ADA compliant.
Benefit to Community:	Improved reliability, safety and accessibility.
Impact on Accessibility:	Improves accessibility by providing elevator at Addison.
Estimated # of Jobs Created:	Approximately 75
Customer Communication Need:	Construction activity notices will be needed to alert customers, businesses and residents to weekend and night work occurrences. Extensive communication will be required for weekend closures and for extended partial platform closures.

Comparable Projects:
<ul style="list-style-type: none"> • Red Line South Dan Ryan station renovations.



Project Title: O'Hare Line – Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovations (Your New Blue)

Construction Progress

Phase	Description	Status
Addison Platform Extension (35')	<ul style="list-style-type: none"> Extend berthing area by 35' to accommodate new stair case 	Complete
Remaining Work At Addison	<ul style="list-style-type: none"> Install of new staircase from stationhouse to platform level. Relocation of Customer Assistant Kiosk Installation of new elevator 	Ongoing thru October 2016
Addison Partial Platform Closure	<ul style="list-style-type: none"> Rehabilitation of Southbound half of platform for three weeks Rehabilitation of Northbound half of platform for three week 	Complete Complete
Other Stations Montrose	<ul style="list-style-type: none"> Rehabilitation of remaining four (4) stations. Rehabilitation of Northbound half of platform for three weeks Installation of temporary lighting Longitudinal saw cutting and demolition and disposal of topping slab 	Starting Q2 2016

Delay Explanation:

N/A



Project Title: O'Hare Line – Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovations (Your New Blue)



Addison canopy painting



Project Title: O'Hare Line – Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovations (Your New Blue)



Addison Southbound platform edge replaced



Project Title: O'Hare Line – Addison, Irving Park, Montrose, Harlem and Cumberland Station Renovations (Your New Blue)



Addison new platform topping slab



Project Title: Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork Improvements

Justification of Need:	The last major renewal of these tracks occurred in the early-mid 1980's. Aside from the spot replacement of a few ties along this track, the majority of ties are reaching the end of their useful life.
Priority of Project:	High
Total Project Budget:	\$27,575,247
Construction Contract Value:	\$12,981,954
Earned to Date:	40%
% Change Orders to Construction Contract:	0%
DBE:	Goal: 25% / Commitment: 25.31% Outreach events conducted: 1
Percent Time Used to Date:	36%
Funding Source:	CTA Bonds
Estimated Start Date/Estimated Length of Project:	NTP – December 22, 2015 Substantial Completion (365 days after NTP) – December 21, 2016
Designer of Record:	CTA Engineering
Construction Manager/General Contractor:	STV (CM) / Kiewit Infrastructure (GC)
Project Manager:	Barney Gray (GM); Grace Ohs (PM)

Detailed Overview of Scope:

- Replacement of timber ties, plates and fasteners. 100% of ties on Track 1 and approximately 75% of ties on Track 2.
- Restoration of track alignment, profile and cross-leveling.
- Ballast removal, grading, replacement, compaction and dressing.
- Replacement of contact rail chairs.
- Rail transposition, welding of joints, and rail grinding.



Project Title: Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork Improvements

Impact on Customers:	There will be some noise while work is being performed. Weekend Line Cuts from Laramie to Harlem Station. Bus Shuttle will operate between closed stations.
Benefit to System:	Reduced maintenance cost and slow zone mitigation.
Benefit to Community:	Improved reliability, smoother ride, and prevention of future slow zones.
Impact on Accessibility:	None.
Estimated # of Jobs Created:	40
Customer Communication Need:	The Village of Oak Park and City of Chicago Aldermen have been notified. Construction Activity Notices will be distributed to alert businesses and residents.

Comparable Projects:
<ul style="list-style-type: none"> • NA



Project Title: Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork Improvements

Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none"> • Pre-plating of ties • Installed 1,749 ties on Weekend Line Cut No. 1 and 2,098 ties on Weekend No. 2. Approximately 10,500 total ties to be installed. • Weekend Line Cut Schedule: <ul style="list-style-type: none"> April 1– 4, 2016 April 15–18, 2016 April 22-25, 2016 April 29-May 2, 2016 May 6-9, 2016 May 13-16, 2016 May 20-23, 2016 	On-going

Schedule Revision Explanation:
<ul style="list-style-type: none"> • N/A



Project Title: Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork Improvements



Track spike removal

Project Title: Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork Improvements



Tie replacement

Project Title: Lake Line – Laramie to Harlem – Tactical Ballasted Trackwork Improvements



Contact rail installation