

Construction Project Briefing

January 11, 2017



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)**
- **Ravenswood Loop Signals Upgrade 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: 96% Main Terminal Contract: 7%
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: 37%
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

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

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
Close-out Advance Package 2: Dan Ryan Retaining Walls	<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
Design/ Pre-Construction Main Terminal Contract	<ul style="list-style-type: none"> ▪ Design progression on Design Package 4: South Terminal and Design Package 5: North Terminal is ongoing. ▪ Contractor is evaluating various Trade Work Package (TWP) bids, such as Bus Canopy Steel & Polycarbonate, Storefront & Curtainwall, and Site Utilities & Directional Drilling . ▪ Bid solicitation is in process South Terminal Interior Building Trades and Signage ▪ The following Concurrence of Awards (COA) were executed: <ul style="list-style-type: none"> ▪ COA-8: South Terminal Escalators & Elevators, IDOT Lighting, and IDOT Maintenance of Lighting. 	Ongoing
Construction Main Terminal Contract	<ul style="list-style-type: none"> ▪ Excavation and prep for South Terminal west wall construction. ▪ South Terminal west wall caisson caps installed. ▪ Dan Ryan Expressway Extended Lane Closure removed. 	Ongoing

Delay Explanation:

N/A



Project Title: 95th Terminal Improvement Program



Forming for west wall caisson cap installation



Project Title: 95th Terminal Improvement Program



West wall caisson cap installation



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:	57%
Percent Change Orders to Construction Contract:	(0.7 %)
Percent Time Used:	71%
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

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"> • Gerber building roof structure removal completed. • Caisson drilling operations for new track 3 structure foundations are completed (17). • 1st concrete pour for new track 3 completed at South/North end of Wilson. • Installation of new micropile foundations 7124 - 7125 inside Gerber Building and 7130 at Broadway continues. • Concrete pedestal foundations for micropiles construction for new track 3 at 7124 – 7125 – 7130 continues. • Temporary shoring construction for existing track 4 continues. • Wilson main station build out continues (Electrical, Communication). • Gerber building restoration/demolition, new roof foundations and west wall restoration continues. • Sunnyside west ramp structural steel installation continues. • Wilson main station escalator and elevator equipment installation continues. • 2nd concrete pour for new track 3 at South/North end of Wilson to start. 	<p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Planned</p>
<p>N/A</p>		



Project Title: Wilson Transfer Station, Track & Structure Reconstruction



Track 4 temporary shoring



Project Title: Wilson Transfer Station, Track & Structure Reconstruction



New glazed tile installation for generator enclosure



Project Title: Wilson Transfer Station, Track & Structure Reconstruction



Track 3 steel erection



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:	\$27,618,024
Earned to Date:	92%
% Change Orders to Construction Contract:	8% equal to \$2,053,379.00
Percent Time Used to Date:	100%
DBE:	Goal: 26% / Commitment: 32.27% / Current Attainment: 35.27%* Outreach events conducted: 1 (CTA) 3 (F.H Paschen) *Attainment is based on progress payments and may vary over the life of the project
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 (580 days after NTP) – November, 2016
Designer of Record:	Muller and Muller
Construction Manager/General Contractor:	Parsons Brinckerhoff (CM), / F.H. Paschen, S.N. Nielson (GC)

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	<ul style="list-style-type: none"> • Elevator passed preliminary inspection. • Stationhouse roof installation. • Installation of elevator metal panels. • Station house ceiling. • Customer assistant Kiosk assembly. • Restroom and janitors closet assembly. 	Complete Complete Complete Complete Complete Complete
Montrose	<ul style="list-style-type: none"> • Canopy and station painting. • New conduit at light fixtures. • Installation of Fascia. 	Complete Complete Complete
Irving Park	<ul style="list-style-type: none"> • Rehabilitation of South bound platform concrete. • Rehabilitation of North bound platform concrete. • Rehabilitation of South auxiliary stair railing. • Rehabilitation of North auxiliary stair railing. 	Complete Complete Complete Complete

Delay Explanation:

N/A



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

Construction Progress

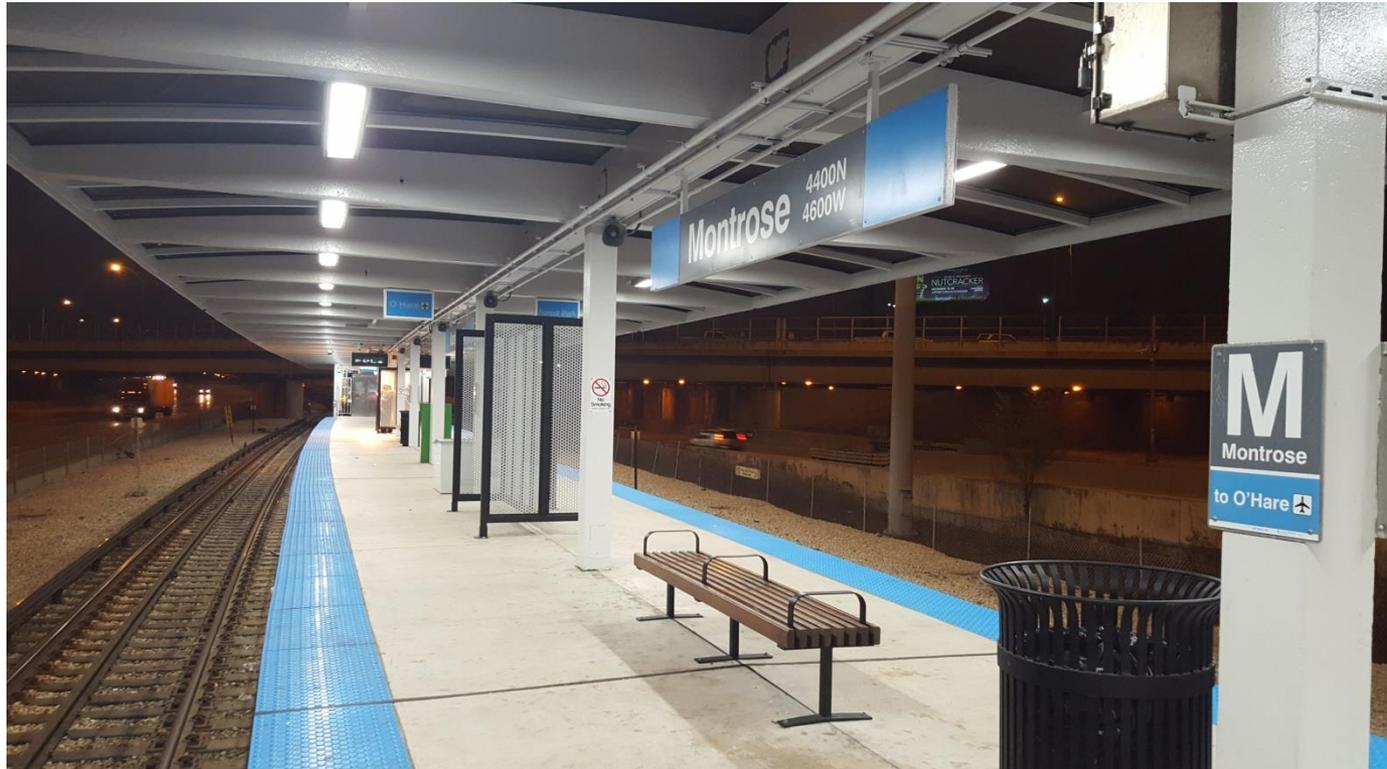
Phase	Description	Status
Harlem	<ul style="list-style-type: none">• Installation of refurbished lighting at bus canopy and station house.• Granite tile and grout replacement.• Installation of tactile tile.• Bus Canopy painting.	Complete Complete Complete Complete
Cumberland	<ul style="list-style-type: none">• Power wash and painting pedestrian bridges.• Demolition of topping slab.• Installation of curtain wall platform level.• Platform replacement.	Complete Complete Complete Complete

Delay Explanation:

N/A



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



Montrose platform complete

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



Addison Station new kiosk, elevator and support rooms

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



Addison Station elevator opening event

Project Title: Ravenswood Loop Signal Upgrade Project

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:	19.7%
Percent Change Orders to Construction Contract:	0
Percent Time Used:	50.0%
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

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.

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



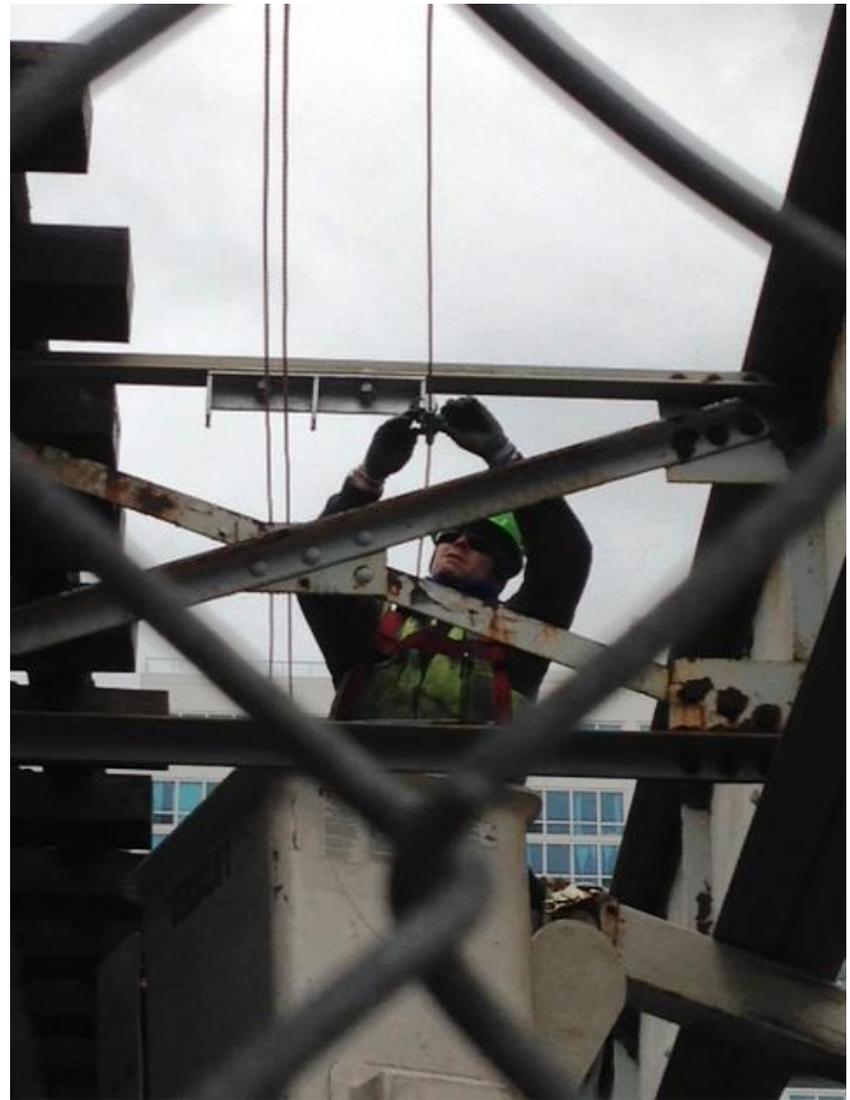
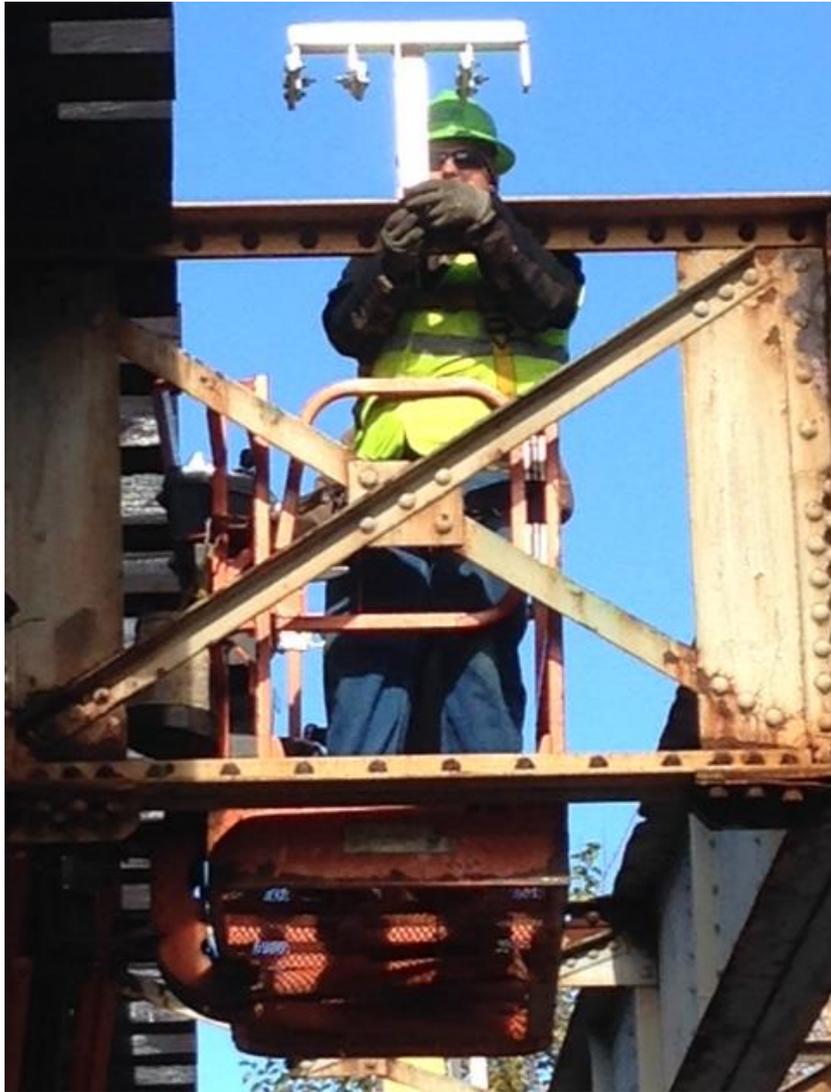
Project Title: Ravenswood Loop Signal Upgrade Project

Construction Progress

Phase	Description	Status
Construction	<ul style="list-style-type: none"> • Notice to Proceed for Design Phase issued November 4, 2015. • Project Design Phase. • Notice to Proceed for Construction Phase issued August 4, 2016. • Installation of cable brackets and cable. • Installation of foundations and structural steel to support new signal houses. • Installation of new signal houses. • Installation of new signal equipment. • Integration and troubleshooting of new system. • System Cutover. 	<p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Ongoing</p> <p>Planned</p> <p>Planned</p> <p>Planned</p> <p>Planned</p> <p>Planned</p>
<p>N/A</p>		



Project Title: Ravenswood Loop Signal Upgrade Project



Installation of cable brackets and messenger wire

