

Construction Project Briefing

December 16, 2020



Today's Presentation

- **Your New Blue Projects**
 - **Jefferson Park to O'Hare Signals Project**
- **Electric Bus En Route Charger Stations**
- **System-Wide Traction Power Upgrades (Transformers Replacement) Project**
- **98th Rail Shop Bridge Deck and Drainage Replacement Project**
- **Red and Purple Modernization Project**



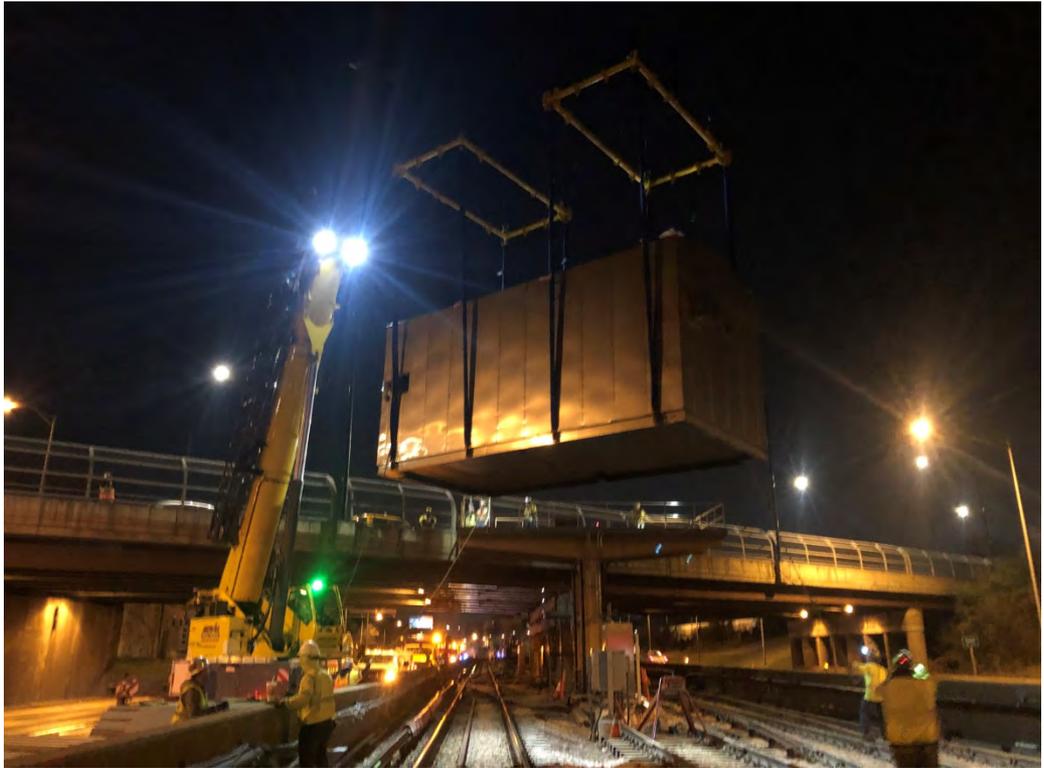
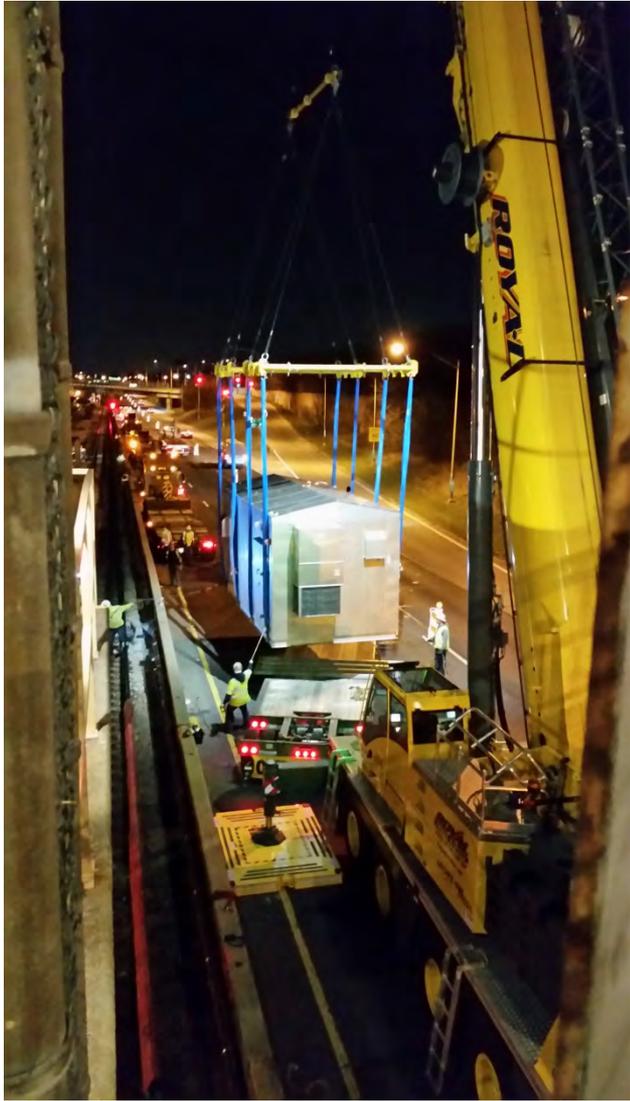
Project Title: Jefferson Park to O'Hare Signals Project

Construction Progress

| Phase | Description | Status |
|--------------|--|---|
| Construction | <ul style="list-style-type: none">• Signal & Traction Power Cable Installation.• Relay Houses are being manufactured.• Signal Equipment Installation.• Foster Relay House Cutover has started.• Central Relay House Delivery on 11/19/20.• Central Relay House Cutover Preparation.• Nagle Relay House Delivery on 12/9/20.• Central Special Trackwork Installed.• Foster Middle Track Installation. | Ongoing Ongoing Ongoing Ongoing Completed Ongoing Completed Completed Ongoing |
| N/A | | |



Project Title: Jefferson Park to O'Hare Signals Project



Delivery of Central Relay House



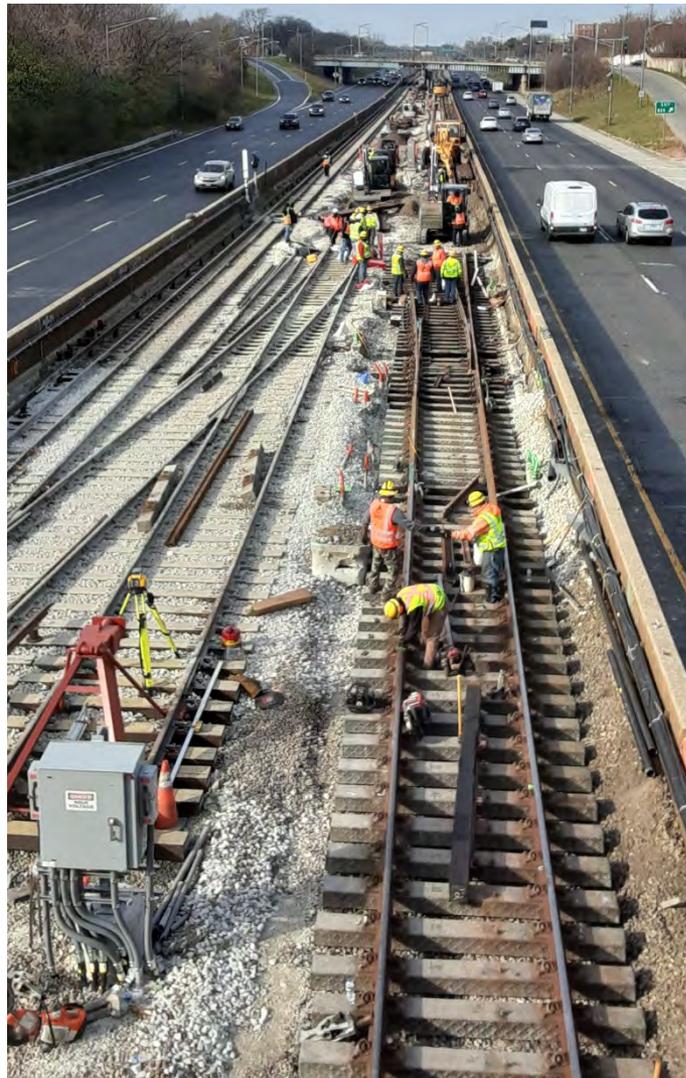
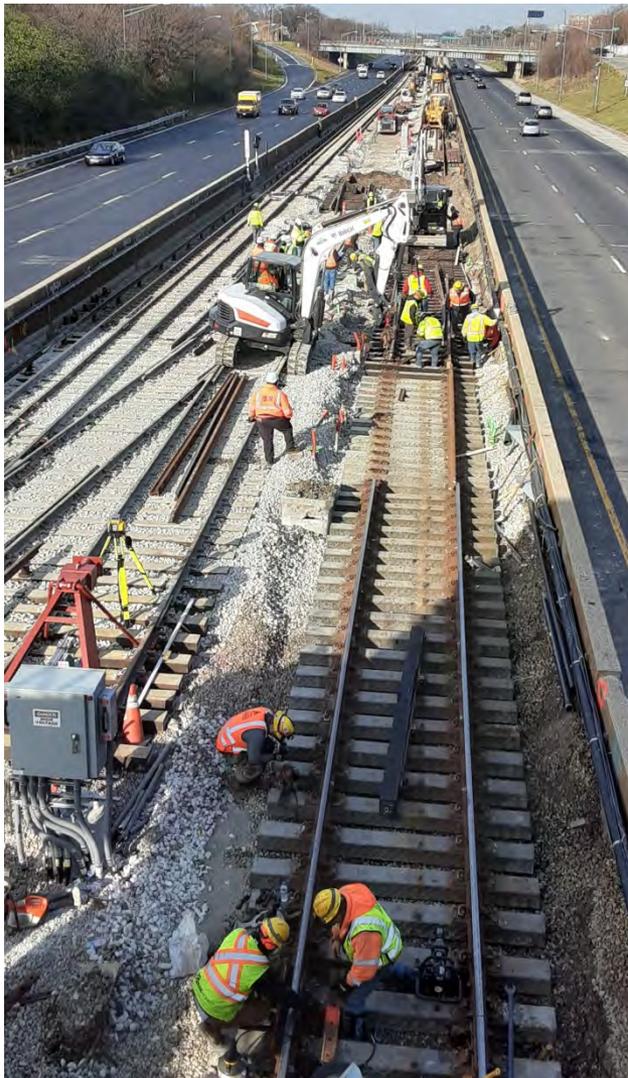
Project Title: Jefferson Park to O'Hare Signals Project



Installation of Special Trackwork at Central



Project Title: Jefferson Park to O'Hare Signals Project



Installation of Special Trackwork at Central



Project Title: Jefferson Park to O'Hare Signals Project



Thermite Weld Installation



Project Title: Jefferson Park to O'Hare Signals Project

Switch Machine Installation and Adjustment at Central Interlocking



Project Title: Electric Bus En Route Charger Stations

| Phase | Description | Status |
|--|---|---|
| <p>Design</p> <p>Construction:</p> | <p><u>Navy Pier Building Design</u></p> <ul style="list-style-type: none"> • Installation and connectivity of all power components is complete. • .All electrical transformers and switchgears have been delivered and installed. • Charging stations have been delivered and installed. • Mast foundations are installed and the masts have been erected. • Contractor has returned both lanes of traffic over to CTA Bus Operations. <p><u>Chicago Garage</u></p> <ul style="list-style-type: none"> • Training of personnel and development of SOP's. • Bus Engineering/Operations is expected to begin trial runs between Chicago Garage and Chicago/Austin later this month. <p><u>Chicago/Austin</u></p> <ul style="list-style-type: none"> • Substantial Completion was issued 11/3/2020. • Bus Engineering/Operations has begun training of personnel. • Bus Engineering/Operations is preparing for trial runs between Chicago Garage and Chicago/Austin. | <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Ongoing</p> <p>Upcoming</p> <p>Complete</p> <p>Ongoing</p> <p>Upcoming</p> |



Project Title: Project Title: Electric Bus En Route Charger Stations



Navy Pier - Mast Electrical Wiring Installation



Navy Pier Building Interior Finishing



Project Title: Electric Bus En Route Charger Stations



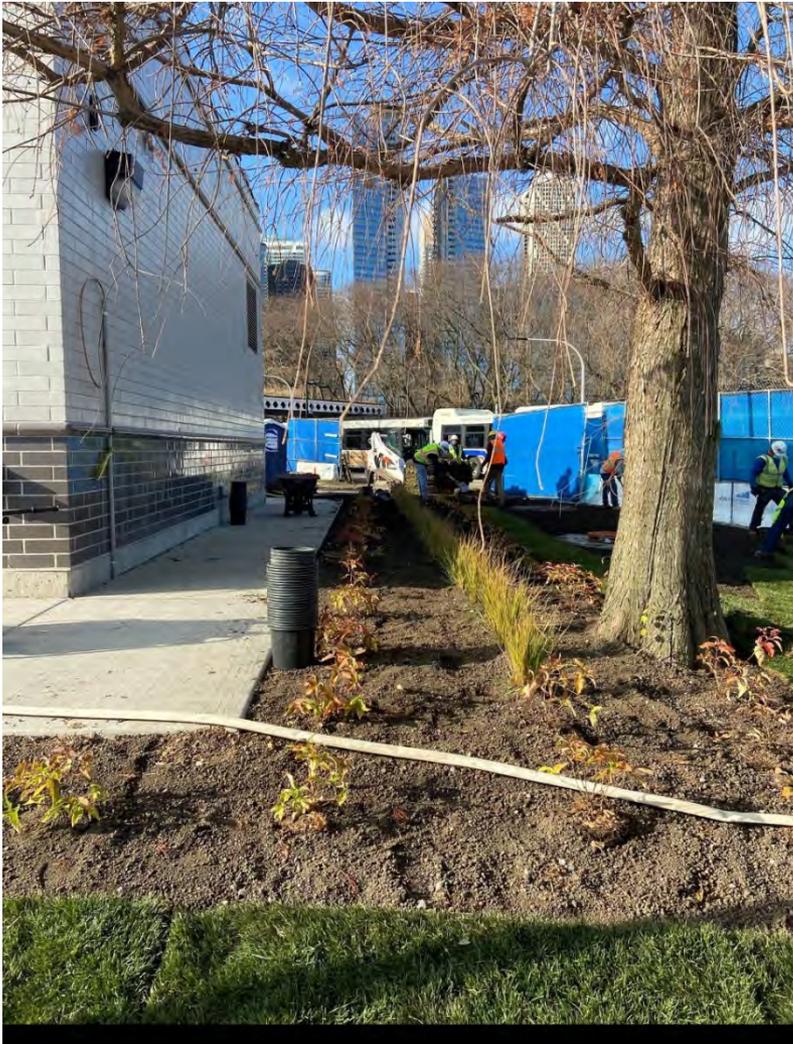
Mast Wiring Installation



Pantograph Installation



Project Title: Electric Bus En Route Charger Stations



Navy Pier Site Enhancement Installation



Mast Arm Foundation Pour



Project Title: Traction Power Upgrades – Transformer Replacements

Construction Progress

| Phase | Description | Status |
|---------------------|---|-----------|
| Construction | <ul style="list-style-type: none"> Transformer 1 replacement (dry type) at 17th Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 2 replacement (dry type) at 17th Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 1 replacement (dry type) at Harding Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 1 replacement (dry type) at Lotus Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 2 replacement (dry type) at Lotus Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 3 replacement (dry type) at Lotus Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 1 replacement (dry type) at Washington Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 1 replacement (dry type) at Edmunds Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 2 replacement (dry type) at Edmunds Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 3 replacement (dry type) at Edmunds Substation | Completed |
| | <ul style="list-style-type: none"> Transformer 1 replacement (dry type) at Douglas Substation | Planned |
| | <ul style="list-style-type: none"> Transformer 1 replacement (oil type) at Franklin Substation | Planned |
| | <ul style="list-style-type: none"> Transformer 2 replacement (oil type) at Franklin Substation | Planned |
| | <ul style="list-style-type: none"> Transformer 3 replacement (oil type) at Franklin Substation | Planned |



Project Title: Traction Power Upgrades – Transformer Replacements



Setting New Transformer# 3 at Edmunds Substation



Project Title: Traction Power Upgrades – Transformer Replacements



**Mounting Anode Bus Box Up for Transformer#1 at
Edmunds Substation**



Project Title: 98th Rail Shop Bridge Deck & Drainage Replacement

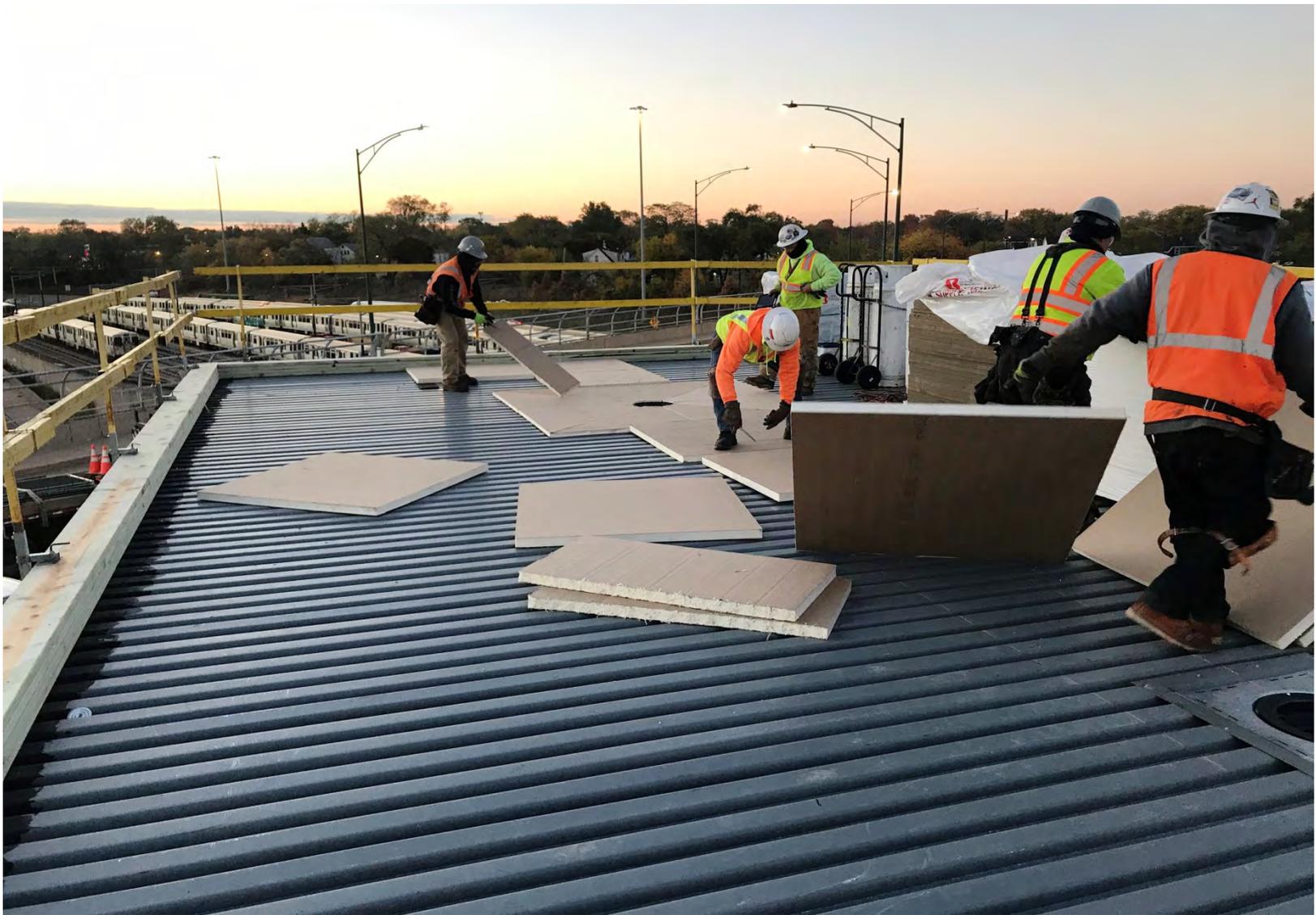
Construction Progress

| Phase | Description | Status |
|---------------------|--|---|
| Construction | <ul style="list-style-type: none">• Bridge Canopy Installation.• Removal of East Side and West Door at Penthouse Entrance.• Masonry Wall Work Ground Level. • Window Installation• Drainage/Civil Scope Regrading Ground Level | Completed Completed Completed Ongoing Ongoing |

| |
|---------------------------|
| Delay Explanation: |
| N/A |



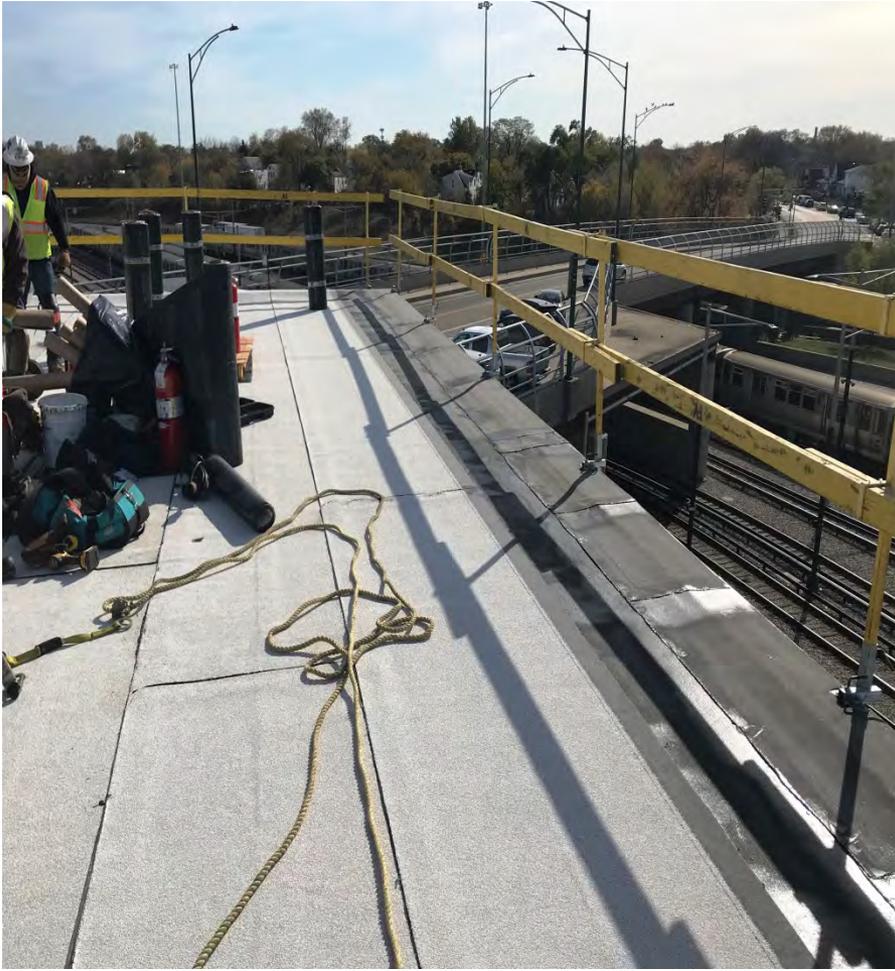
Project Title: 98th Rail Shop Bridge Deck & Drainage Replacement



Wood Blocking Canopy Bridge Roof Installation



Project Title: 98th Rail Shop Bridge Deck & Drainage Replacement



Canopy Roof Install



Project Title: 98th Rail Shop Bridge Deck & Drainage Replacement



Before East/West Penthouse Doors



After East/West Penthouse Doors



Project Title: 98th Rail Shop Bridge Deck & Drainage Replacement



Masonry Wall Demolition Ground Level



Project Title: 98th Rail Shop Bridge Deck & Drainage Replacement



Ground Level Brick Installation



Project Title: 98th Rail Shop Bridge Deck & Drainage Replacement



Window Installation



Construction Progress

| Phase | Description | Status |
|--|--|--|
| <p>Administrative / Design:</p> | <ul style="list-style-type: none"> ▪ Continued submittal/revisions of required management plans. ▪ Continued Design Development in support of Pre-Stage, Red-Purple Bypass, Lawrence to Bryn Mawr Modernization, and Corridor Signal Improvements. ▪ Issued Construction Documents for Red-Purple Bypass work. ▪ Issued Construction Documents for Pre-Stage work. ▪ Issued Construction Documents for Lawrence to Bryn Mawr Modernization Segmental Box Girder. | <p>Ongoing Ongoing</p> <p>Ongoing Ongoing Ongoing</p> |
| <p>Construction:</p> | <ul style="list-style-type: none"> ▪ Red-Purple Bypass (RPB). <ul style="list-style-type: none"> – Red-Purple Bypass track structural steel installation. – Ravenswood structure rehabilitation. ▪ Corridor Signal Improvements (CSI) <ul style="list-style-type: none"> – DGTrack Circuit Testing. ▪ Pre-Stage Work <ul style="list-style-type: none"> – Signal bracket & messenger cable installation. – Wayside platform installation. – Retaining Wall Repairs. – Montrose, Berwyn, Thorndale, & Loyola relay/audio house cabling. – Granville Interlocking removal – Montrose, Berwyn relay/audio house testing – Construction of Bryn Mawr Temp Station. – Construction of Argyle Temp Station. ▪ Lawrence to Bryn Mawr Modernization <ul style="list-style-type: none"> – Continued production of Pre-cast Box Girder Segments. | <p>Ongoing Ongoing</p> <p>Ongoing</p> <p>Ongoing Ongoing Ongoing Ongoing Complete Ongoing Ongoing Ongoing</p> <p>Ongoing</p> |
| <p>Delay Explanation:</p> | | |

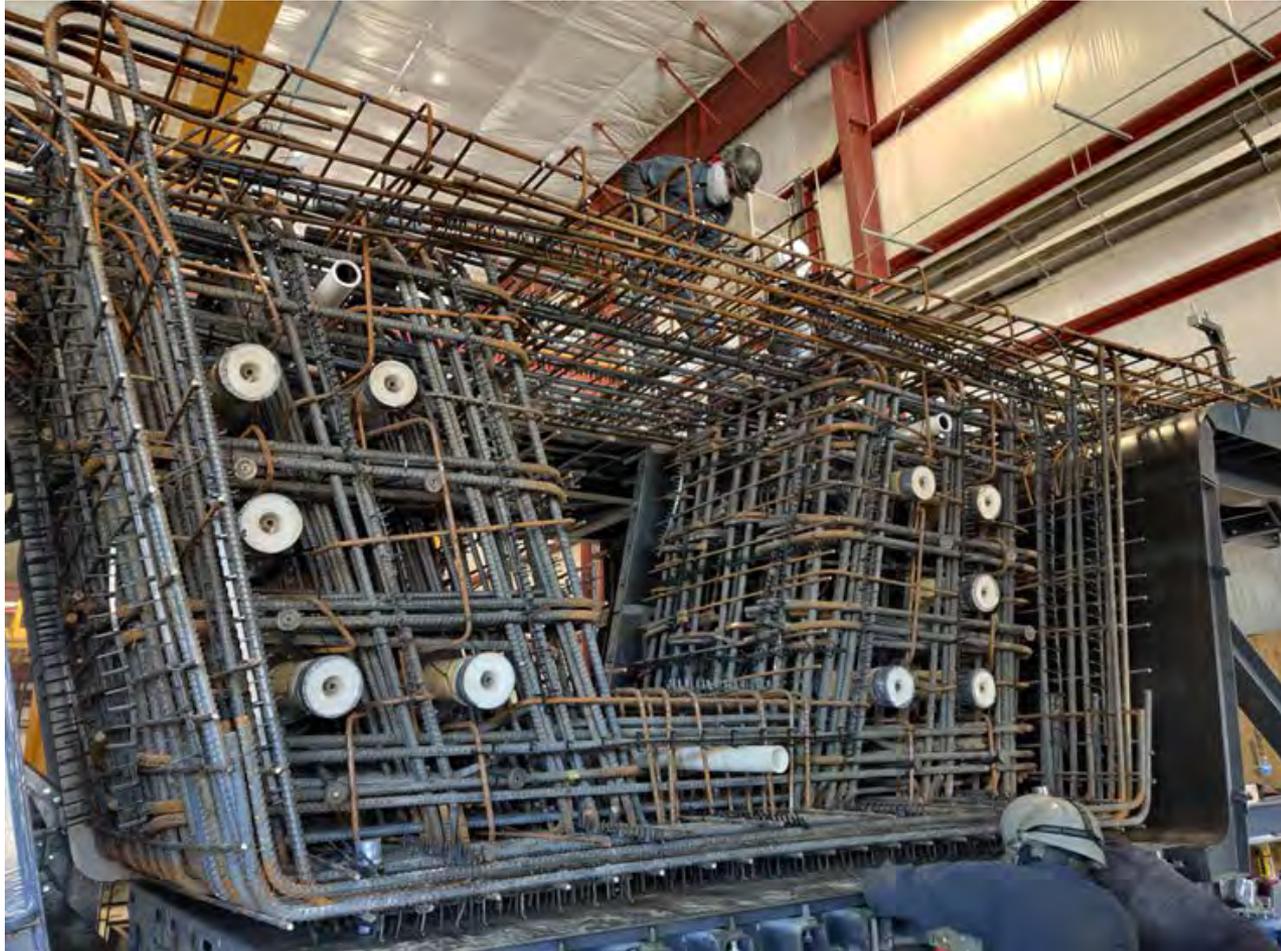


Project Title: RPM Phase One – Design-Build Contract



Lawrence to Bryn Mawr Modernization Granville Interlocking Removal





**Lawrence to Bryn Mawr Modernization
Box Girder End Segment Rebar Cage Installation**



**Lawrence to Bryn Mawr Modernization
Box Girder End Segment Post Tension Blocks**



**Lawrence to Bryn Mawr Modernization
Bryn Mawr Temporary Station**

Project Title: RPM Phase One – Design-Build Contract



**Red Purple Bypass
Bypass Steel Installation over School Street**

Project Title: RPM Phase One – Design-Build Contract



**Lawrence to Bryn Mawr Modernization
Montrose Relay House Cable Hanging**

Project Title: RPM Advance Contracts

Construction Progress

| Phase | Description | Status |
|----------------------|---|----------|
| Design: | <ul style="list-style-type: none">• Advance Utility Relocation – Design Work Orders Complete. | Complete |
| Construction: | <ul style="list-style-type: none">• Advance Utility Relocation<ul style="list-style-type: none">• Red-Purple Bypass area substantial completion August 2020<ul style="list-style-type: none">• AT&T splicing on Clark Street anticipated completion December 2020• DEO to be complete December 2020• Lawrence to Bryn Mawr Modernization:<ul style="list-style-type: none">• ComEd substantial completion June 2020• RCN & Comcast substantial completion August 2020• DEO anticipated completion December 2020• AT&T anticipated completion February 2021 | Ongoing |
| Close-Out: | <ul style="list-style-type: none">• Advance Utility Relocation – close-out in progress. | Ongoing |

| |
|---------------------------|
| Delay Explanation: |
| N/A |



Project Title: RPM Community Outreach

| Outreach type | Major Activities | Timing |
|--|--|---|
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Community</p>  <p>Granville outreach</p> | <ul style="list-style-type: none"> • 44th Ward Red-Purple Bypass steel installation updates • Outreach to Evanston for pile-driving test work • Community flyering ahead of Granville interlocking construction work • Lawrence to Bryn Mawr chambers of commerce monthly meeting • RPM Virtual Office Hours Session | <p>Weekly</p> <p>Nov. 4</p> <p>Nov. 5</p> <p>Nov. 11</p> <p>Nov. 11</p> |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Workforce & SBE/DBE</p>  <p>'Trades Day' testimonial</p> | <ul style="list-style-type: none"> • Workforce/DBE Outreach and Compliance Monthly Meeting – Ongoing. • ACE Trades Day • RPM DBE & Workforce Virtual Outreach | <p>Ongoing</p> <p>Nov. 18</p> <p>Dec. 15</p> |

