

Red and Purple Modernization (RPM) Phase One

*Project Overview for the Finance, Audit and Budget
Committee, Chicago Transit Board*

December 12, 2018

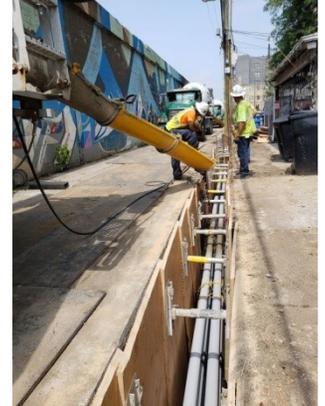
RPM Phase One: Summary

- **Broadway Substation Upgrade:** Increase traction power capacity and reliability
- **Pre-Stage Work:** Signal, infrastructure upgrades to accommodate train operations during construction
- **Lawrence to Bryn Mawr Modernization:** Reconstruction of Lawrence, Argyle, Berwyn, and Bryn Mawr stations (including ADA accessibility) and six miles of track, associated structures and viaducts
- **Red-Purple Bypass:** Construction of a rail bypass at Clark Junction; realign/replace approximately 1.4 miles of Red and Purple Line track miles just north of Belmont station, increasing speed, reliability, and capacity
- **Corridor Signal Improvements:** New higher-capacity signal system from Belmont to Howard, covering 23 track miles, allowing for increased throughput of trains, better reliability of operation



Phase One: Current Status

- **Property demo:** To be completed by end of 2018
- **Advance utility work:** To be completed by Summer 2019
- **Broadway substation work:** To be completed Fall 2019
- **Selection of Design-Build Contract and Owner's Representative:** December Board Meeting



Phase One: 2019 and Beyond

- **January 2019:** Notice to Proceed issued to Design-Build Contractor
- **2019:** Project design work
- **Late 2019:** Advance construction work begins
- **2020:** Bypass work expected to begin
- **2025:** Expected project completion

RPM Outreach Well Under Way



Meeting about RPM job creation 10/24/18

- Robust outreach on multiple fronts has already begun
 - DBE
 - Workforce
 - Community
 - Includes development of Transit Oriented Development plan for parcels in the Red-Purple Bypass and Lawrence-to-Bryn Mawr project areas

- Stakeholder engagement key to project success

Maximizing DBE Participation

- DBE goals for design (20%) and construction (20%)
- Diversity Outreach Plan required in RFP
- Additional efforts:
 - Mentor / Protégé Program for DBEs
 - Submitted a Project-Specific Goal to FTA for RPM Phase I Project
- CTA expanded outreach to M/WBE firms about DBE certification
- Hosted small business seminars on certification and doing business with CTA
- All proposers had extensive outreach during proposal phase



DBE firms attending CTA's "Meet the Big Three" networking event, January 2018

Workforce Development Plan

- Develop pipeline for training, apprenticeship and jobs
- Meet/exceed goals for disadvantaged worker hiring
- Actively talking now with trades, assist agencies, transit peers to establish partnerships and pipelines
- RPM workforce goals as a percentage of total labor hours:
 - Workforce Innovation and Opportunity Act (WIOA): 10%
 - Economically Disadvantaged Area: 35%
 - Union Apprentice: 15%



RPM Contracts

- Design-Build Contract (DBC) – New Contract Award
 - Largest contract in CTA history; one of the largest in City of Chicago
 - One contractor to design and build allows construction to begin during design, maximizing productivity and contributing to a more seamless process and delivery of quality project
- Owner's Representative (OR) – New Contract Award
 - Construction manager monitoring day-to-day construction activity for CTA
- Preliminary Engineering Consultant (PEC) – Contract Amendment
 - Project engineering support services

Recommended new contract awards

Design-Build Contract (DBC):

Walsh-Fluor Design Build Team JV

Owner's Representative (OR):

Elevated Solutions Partners (ESP) -- Arcadis, Jacobs and Ardmore Roderick

Recommended contract amendment

Preliminary Engineering Consultant (PEC): T.Y. Lin

Walsh-Fluor

- DBE Goal: 20% design/20% construction
- DBE Commitment: 20.64% design/20% construction
- Workforce Goals *(as a percentage of total labor hours)*:
 - Workforce Innovation and Opportunity Act (WIOA): 10%
 - Economically Disadvantaged Area: 35%
 - Union Apprentice: 15%
- Workforce commitment
 - Contracting team is committed to achieving the workforce goals and has already begun developing partnerships with unions, social service agencies, and others necessary to achieve them.

