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

- 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:
  o Mentor / Protégé Program for DBEs
  o 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
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.