

# MBTA Ruggles Station Commuter Rail Platform Project

MBTA Contract No. S31PS01

Open House October 18, 2012





# MBTA Ruggles Station Commuter Rail Platform Project

## Project Description

- ❑ Construction of a new commuter rail platform at Ruggles Station to serve Track 2

## Project Benefits

- ❑ Improve service/access to Ruggles Station
- ❑ Improve operational flexibility



# MBTA Ruggles Station Commuter Rail Platform Project

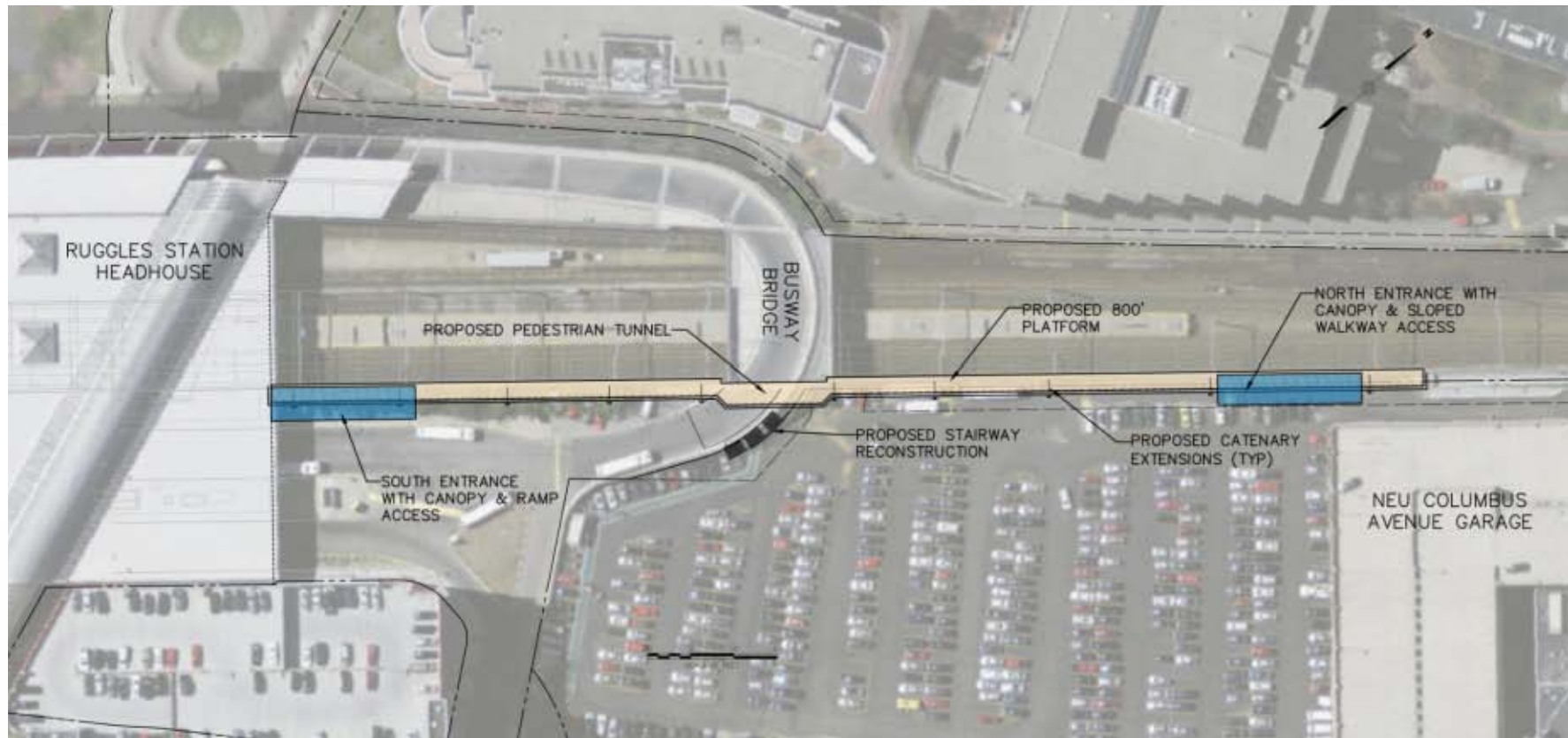
## Project Scope

- 800' L x 12' W High-level Platform
- Pedestrian tunnel under busway ramp
- 2-100' Canopies w/ Benches
- Accessible to existing station elevators, ramps
- Platform Amenities
- Security, Signage, Lighting
- Extend Catenary Structures
- Modifications to parking lot
- Constr. Cost Est. - \$20M



# MBTA Ruggles Station Commuter Rail Platform Project

## General Plan

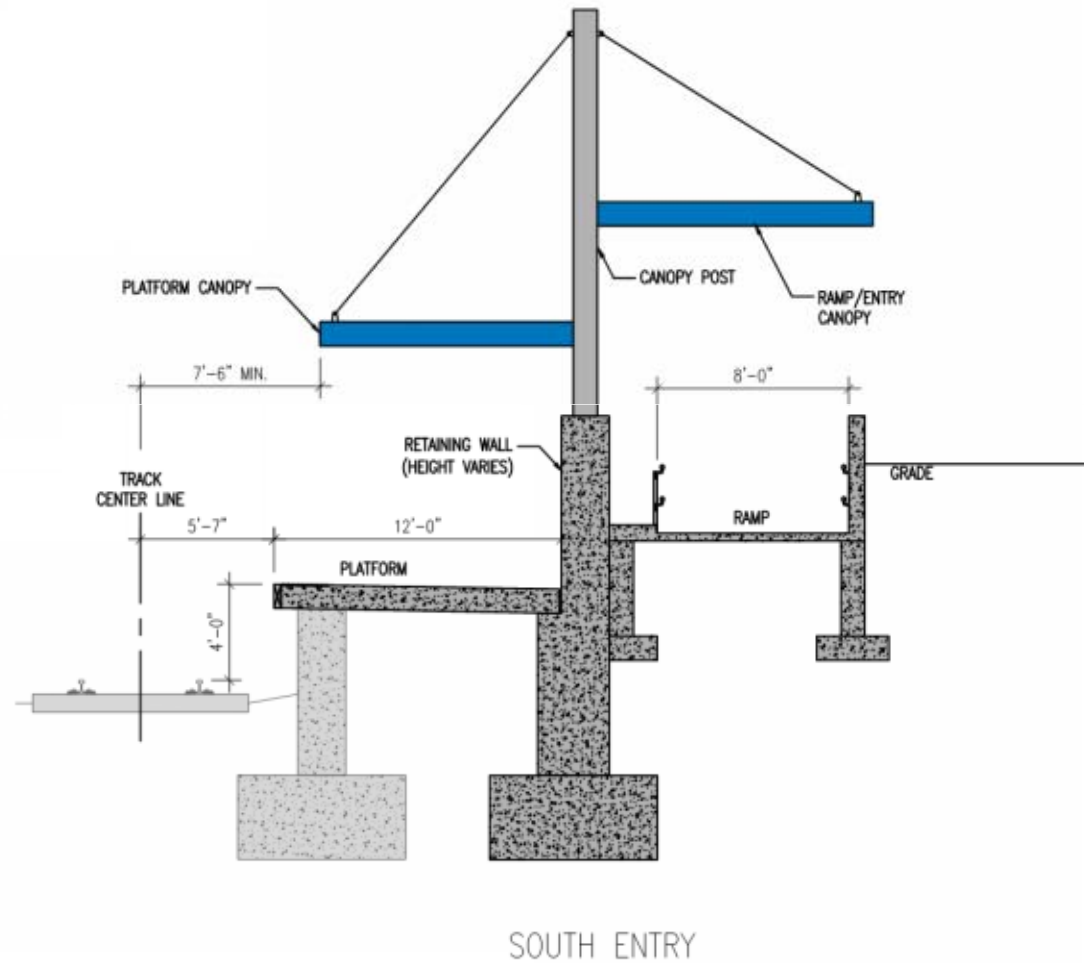






# MBTA Ruggles Station Commuter Rail Platform Project

## New Platform – Section View



# MBTA Ruggles Station Commuter Rail Platform Project

## Overview





# MBTA Ruggles Station Commuter Rail Platform Project

## Construction Staging

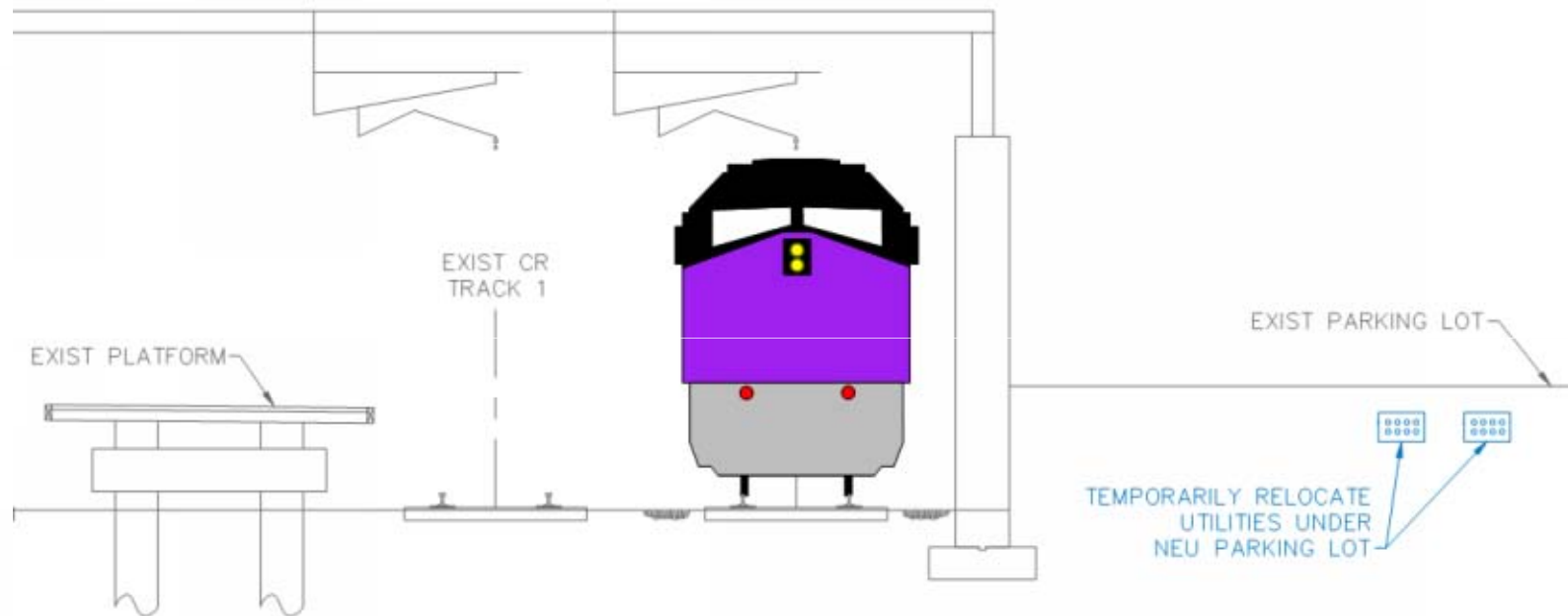
- ❑ Construction Staging in NEU Parking Lot
- ❑ Temporary off-peak closure of Track 2 for *Platform Construction*
- ❑ Temporary off-peak closure of tracks for *Catenary Modifications*
- ❑ Coordinate with NEU Project





# MBTA Ruggles Station Commuter Rail Platform Project

## Construction Staging

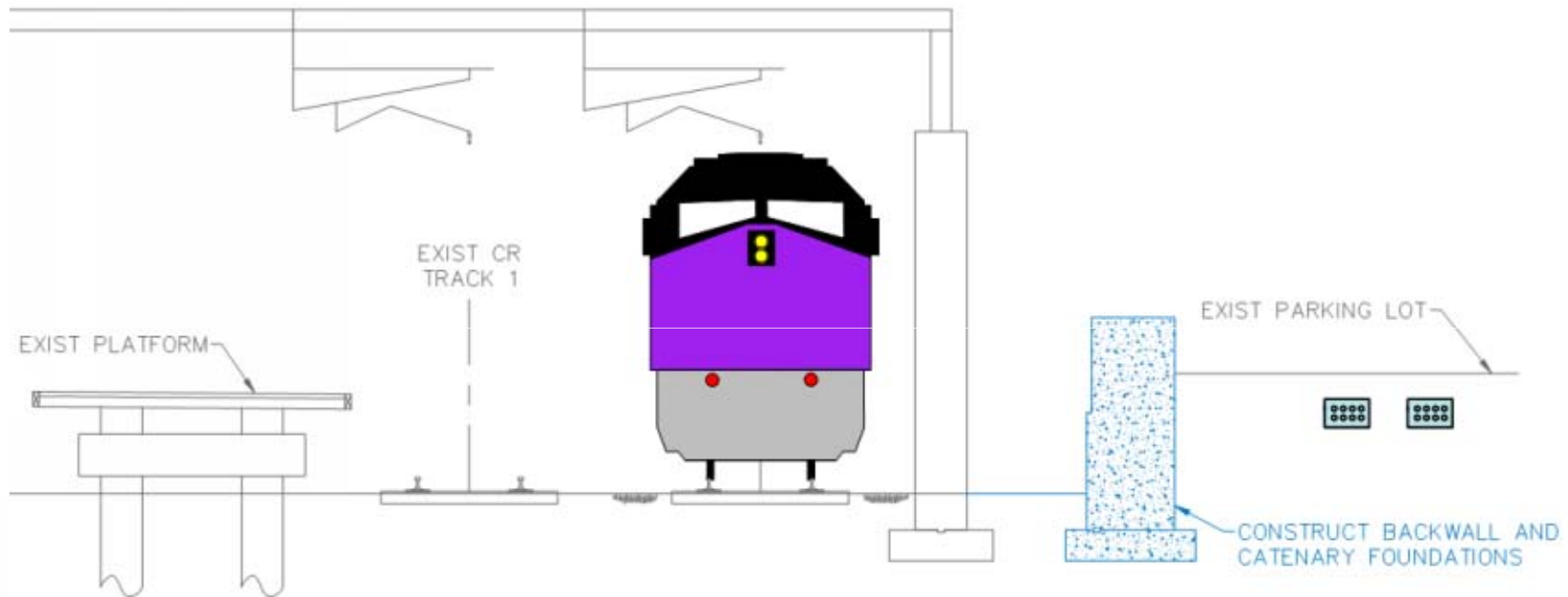


### STAGING SEQUENCE 1

TEMPORARILY RELOCATE UTILITIES FROM MBTA UTILITY EASEMENT TO NEW LOCATION UNDER THE NEU PARKING LOT OUTSIDE OF THE WORK ZONE.

# MBTA Ruggles Station Commuter Rail Platform Project

## Construction Staging

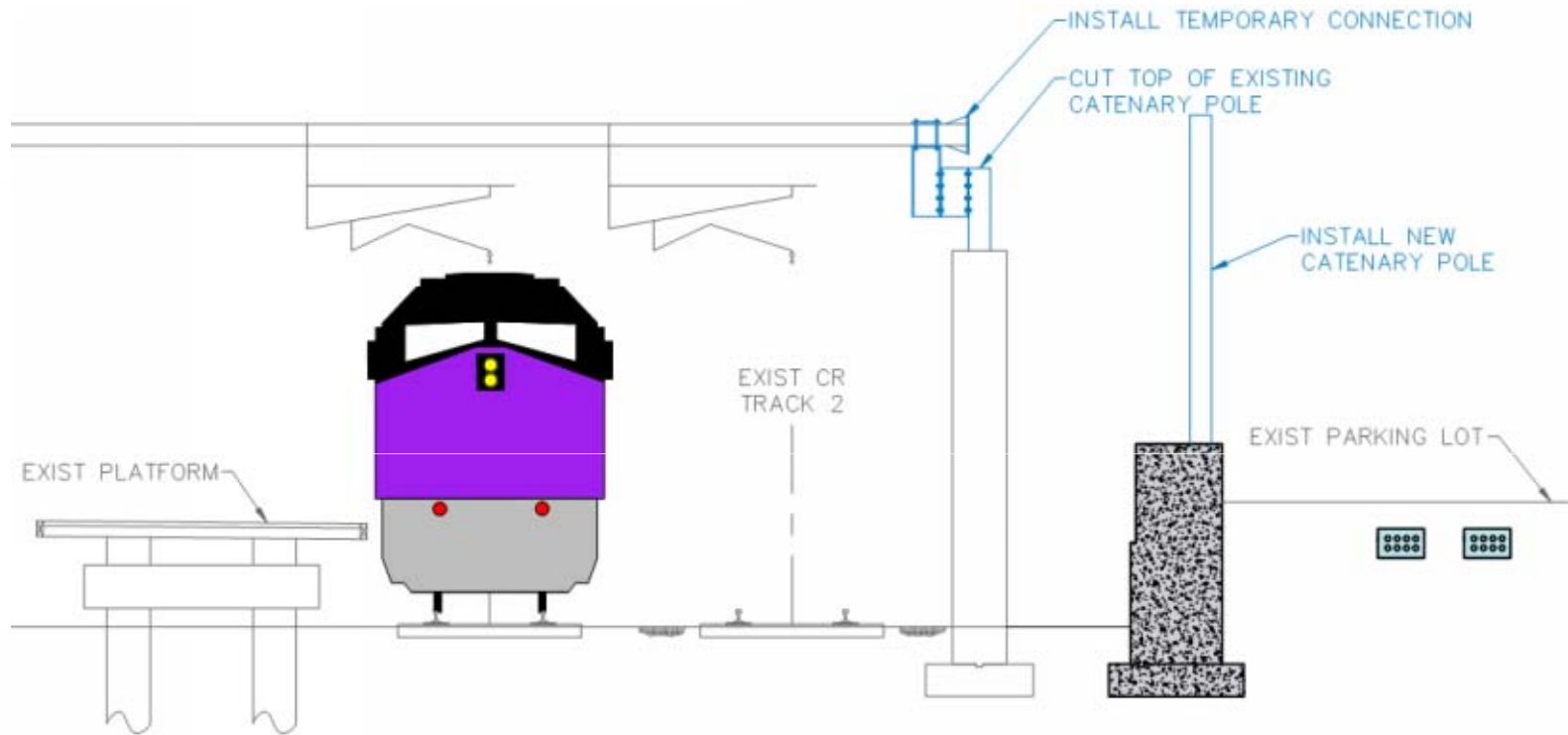


### STAGING SEQUENCE 2

CONSTRUCT BACK WALL AND CATENARY FOUNDATIONS

# MBTA Ruggles Station Commuter Rail Platform Project

## Construction Staging



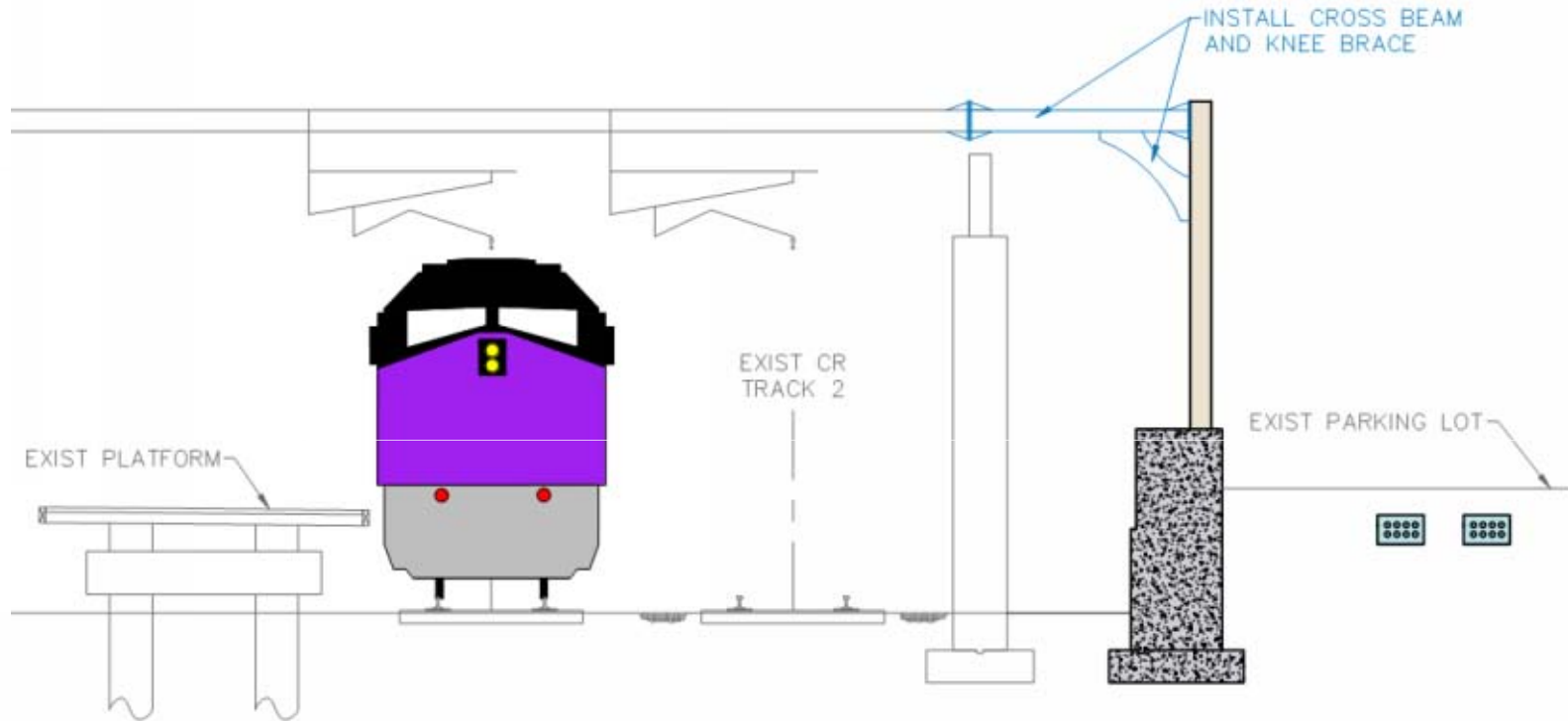
### STAGING SEQUENCE 3

INSTALL NEW CATENARY POLE, CUT TOP OF EXISTING POLE  
AND INSTALL TEMPOARY CONNECTION



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## Construction Staging

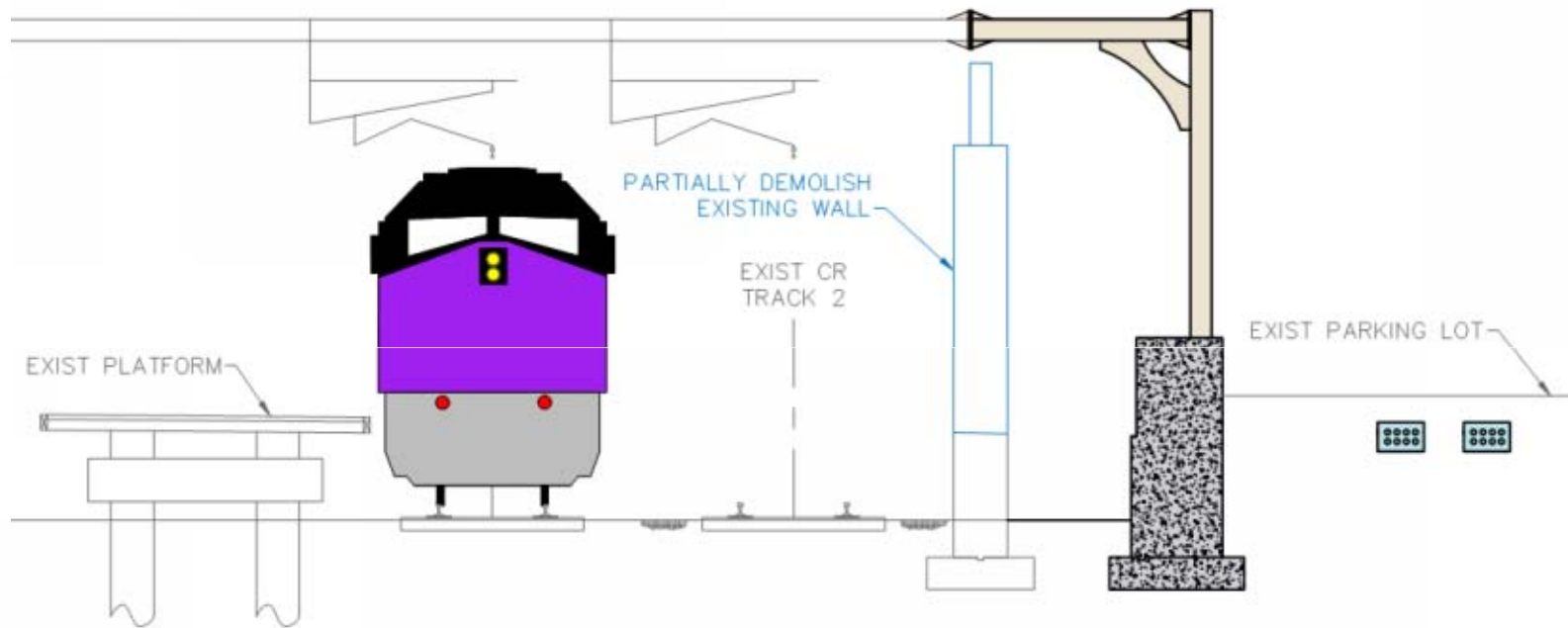


### STAGING SEQUENCE 4

INSTALL CROSS BEAM AND KNEE BRACE FOR  
CONNECTION TO NEW CATENARY POLE

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## Construction Staging

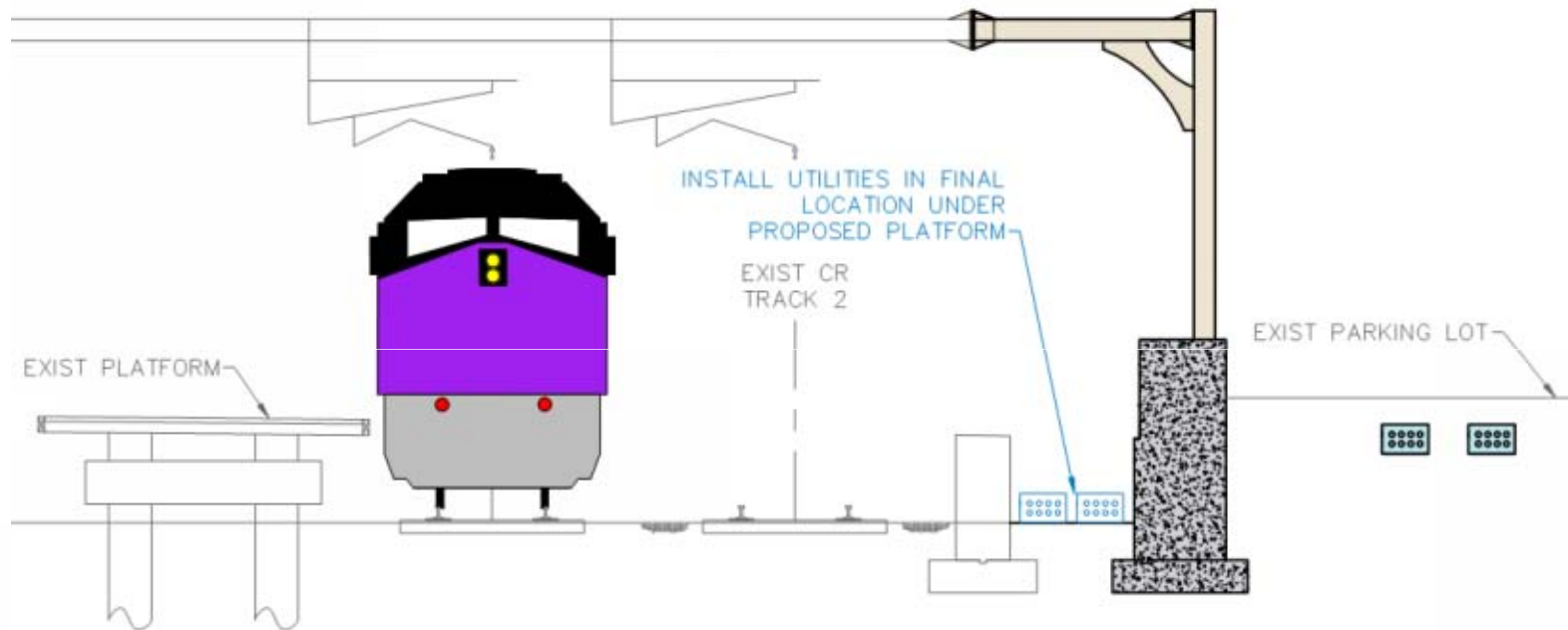


### STAGING SEQUENCE 5

PARTIALLY DEMOLISH EXISTING  
RETAINING WALL STRUCTURE

# MBTA Ruggles Station Commuter Rail Platform Project

## Construction Staging



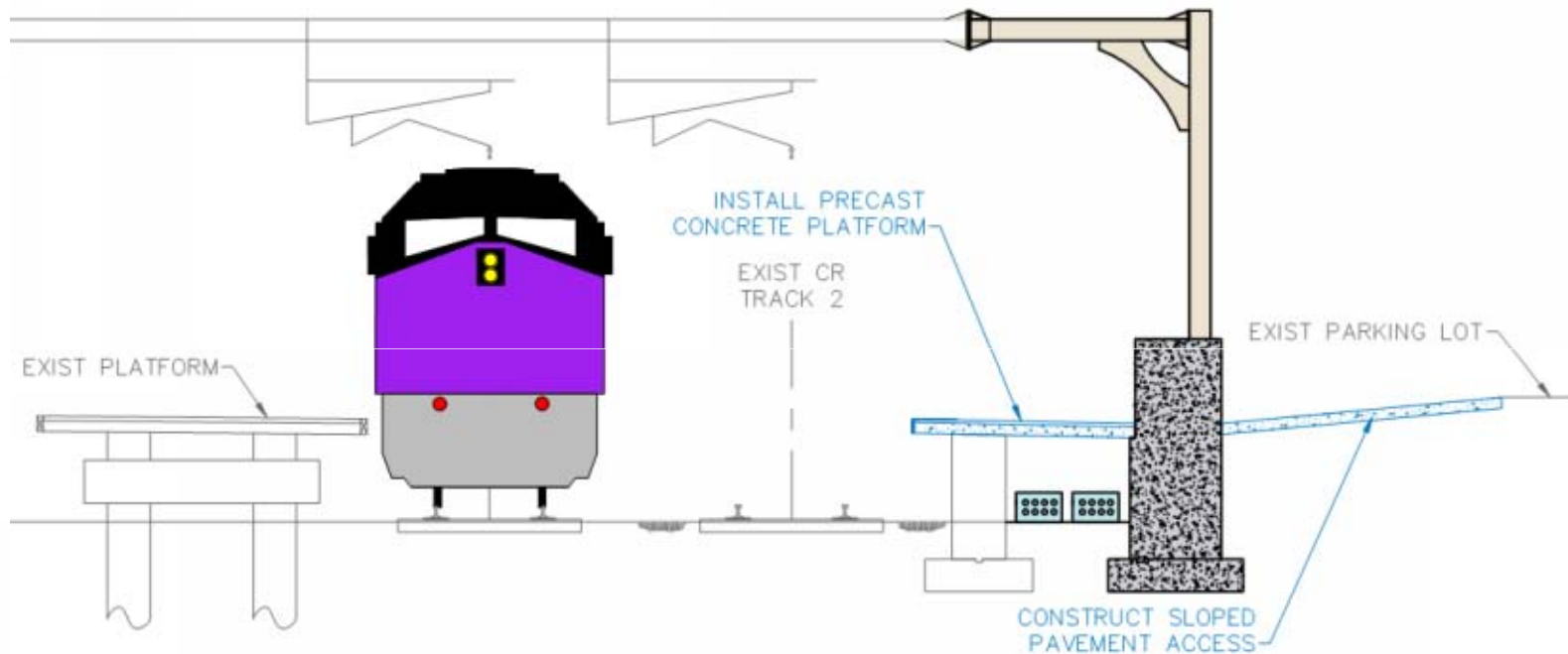
### STAGING SEQUENCE 6

INSTALL EXISTING UTILITIES IN FINAL LOCATION  
UNDER PROPOSED PLATFORM



# MBTA Ruggles Station Commuter Rail Platform Project

## Construction Staging

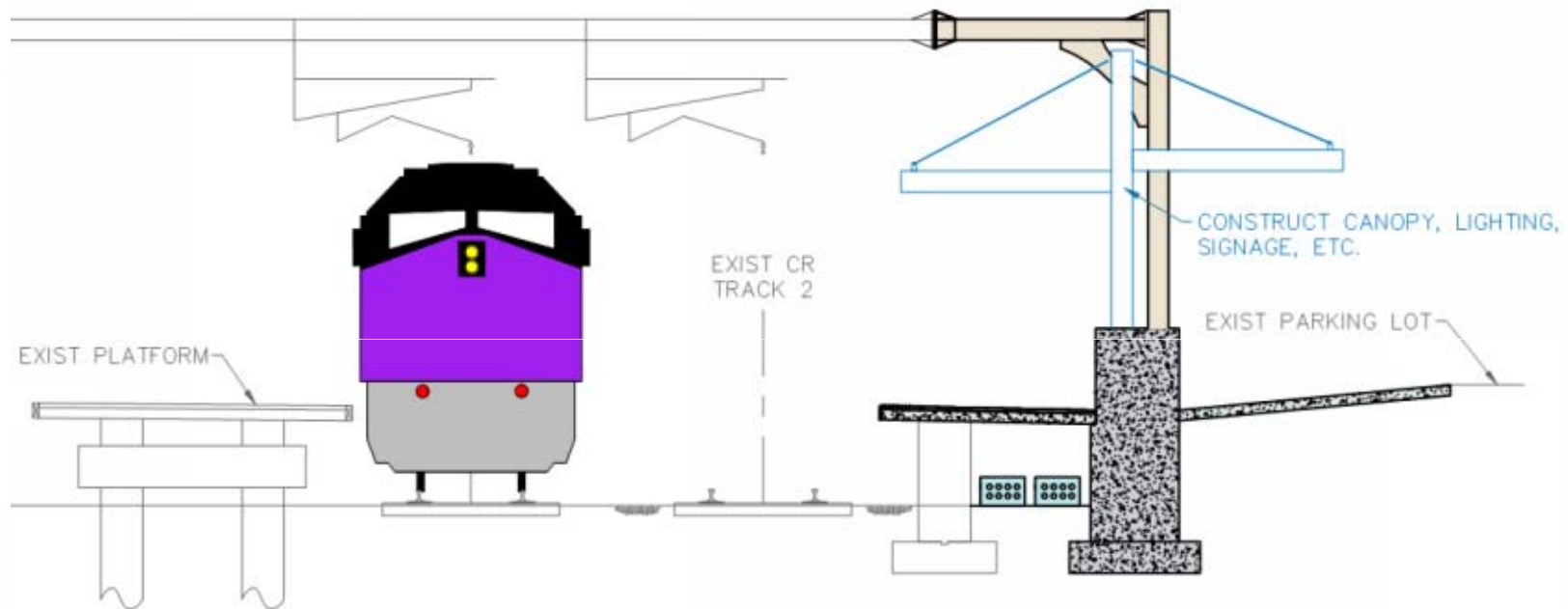


### STAGING SEQUENCE 7

INSTALL PRECAST CONCRETE PLATFORM PANELS  
AND CONSTRUCT SLOPED PAVEMENT ACCESS

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## Construction Staging

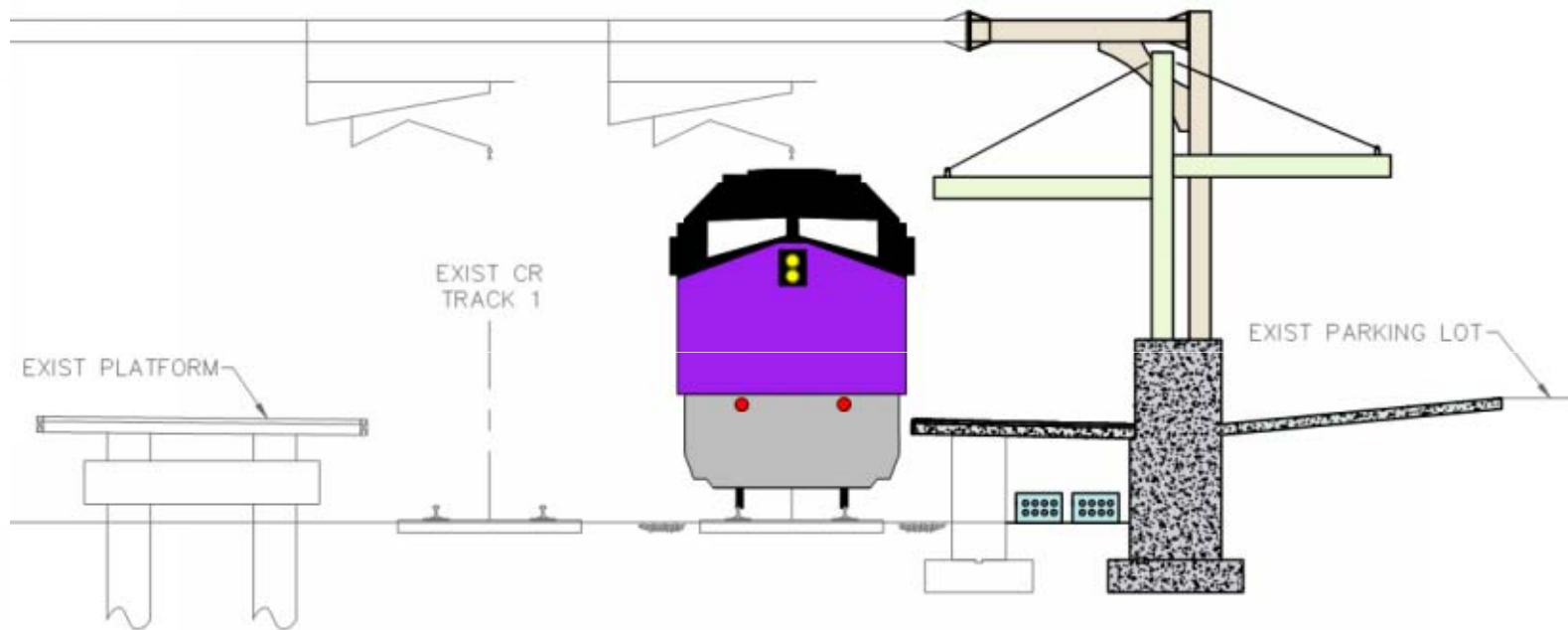


### STAGING SEQUENCE 8

INSTALL CANOPY, LIGHTING, SIGNAGE AND OTHER  
ELEMENTS ALONG PROPOSED PLATFORM

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## Construction Staging



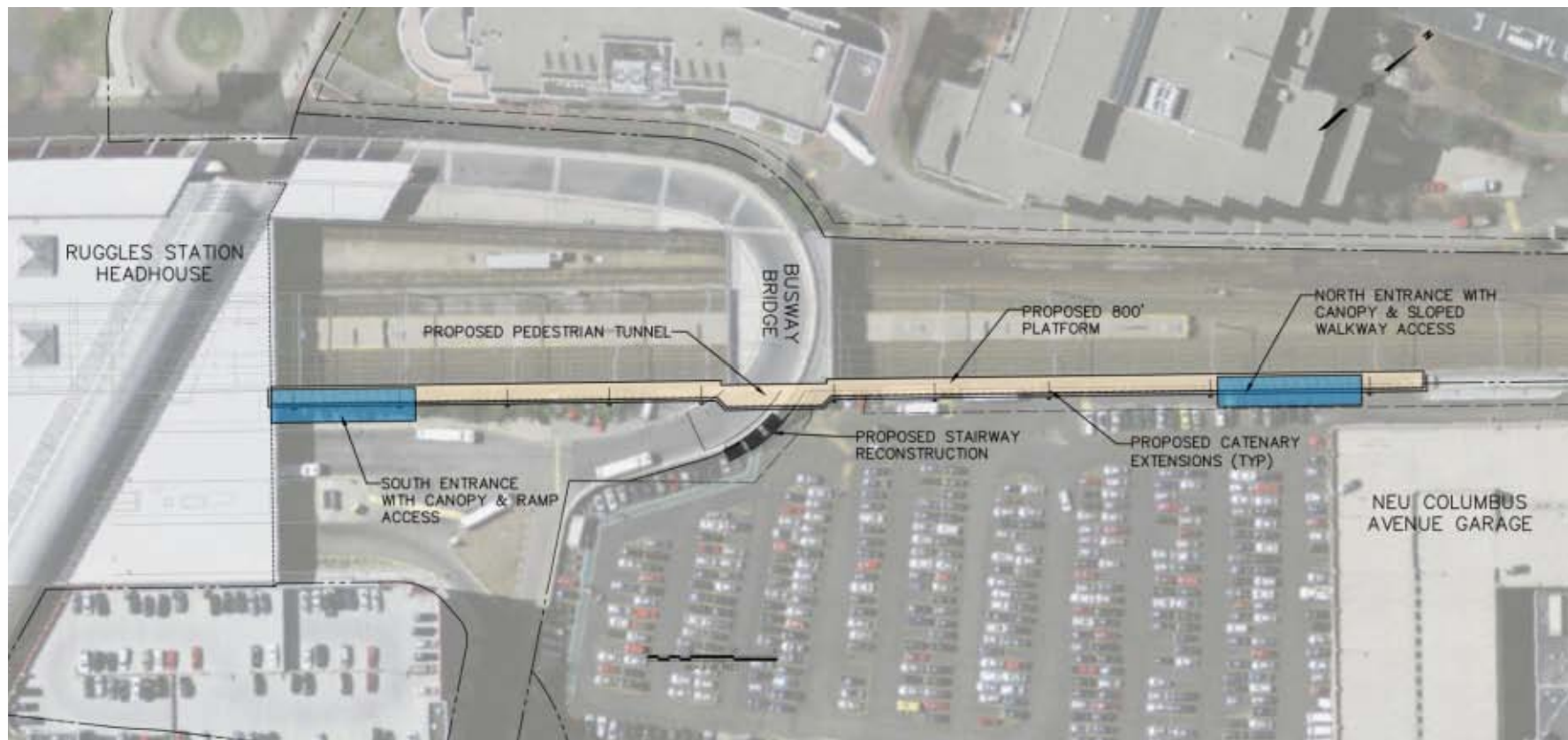
STAGING SEQUENCE 9

FINAL CONDITION



# MBTA Ruggles Station Commuter Rail Platform Project

## General Plan



# MBTA Ruggles Station Commuter Rail Platform Project

## For More Information

- Project Webpage

[www.mbta.com/about the mbta/t projects/](http://www.mbta.com/about_the_mbta/t_projects/)

