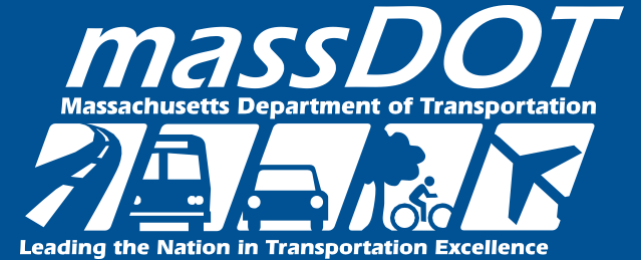


**MassDOT Highway Construction  
Contract: 131826  
Boston  
UPS System Replacements in Central Artery Tunnels**

*December 3 , 2025*

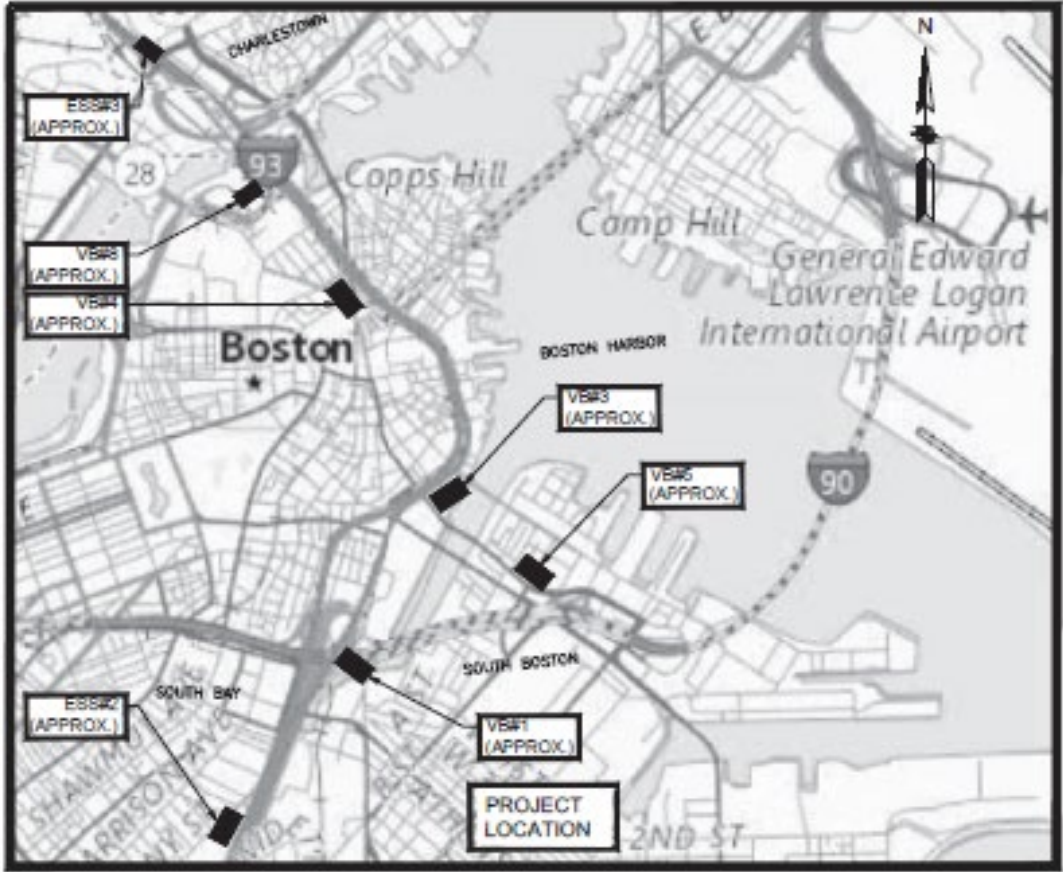


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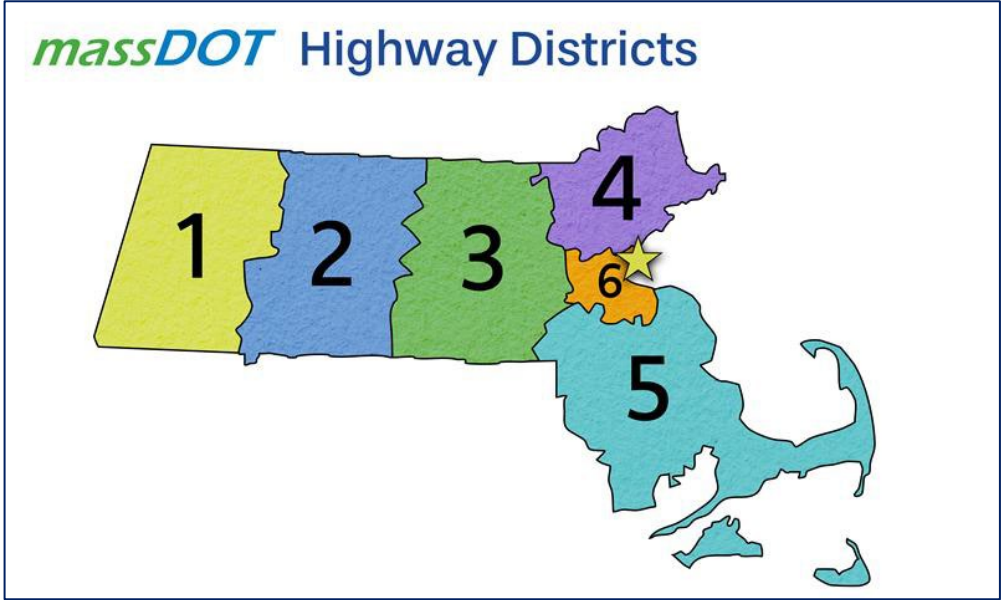
- 3. Overview
- 5. Project Scope
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# Overview

## Project Location



Locus Map



★ District Project Location

# Overview

## Beyond Mobility Highlights

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- An Uninterruptible Power Supply (UPS) is a type of continual power system that provides automated backup electric power to a load when the input power source or mains power fails. It provide seamless power with no interruption.
- The new system is necessary to maintain **Safety** and **Reliability**.
- The current system has been in place since the construction of the Central Artery Tunnels and is nearing the end of its life after 30+ years in operation
- The Central Artery tunnels are integral to **Destination Connectivity** within the greater Boston region.



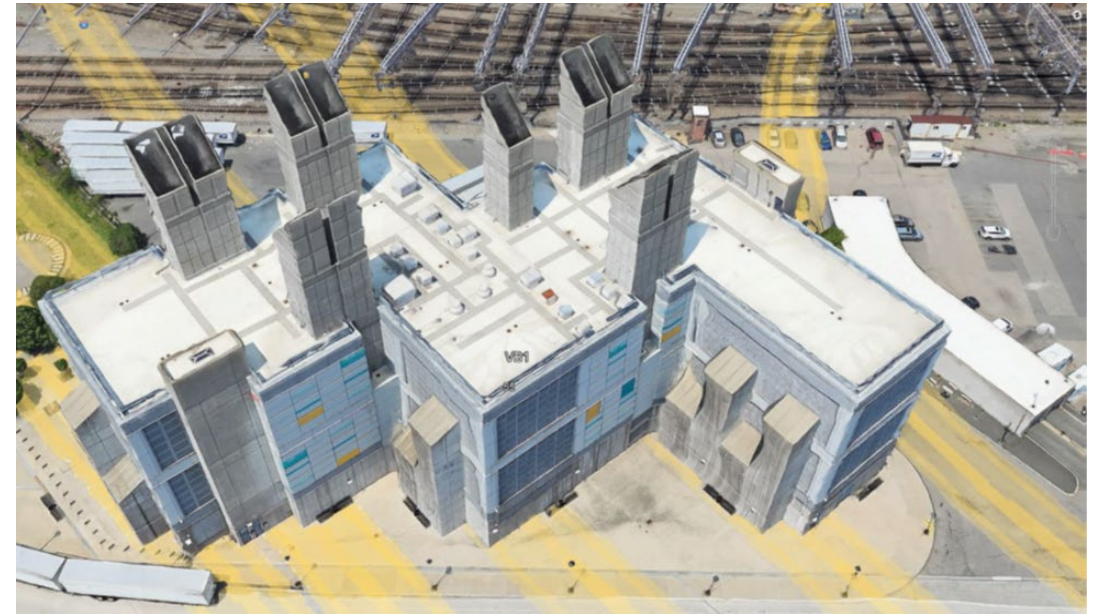
# Project Scope

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Architectural, structural, electrical, and mechanical upgrades to Central Artery facilities including Vent Buildings 1, 3, 4, 5, 8 and Electric Sub stations 2 and 3 per 2024 Triennial Report.

This work includes:

- Replacement of uninterruptible power systems (UPS)
- Replacement of UPS batteries and related mechanical/heating ventilation and air conditioning (HVAC) systems
- Roofing work including repairs and replacements
- Door replacements



Ventilation Building 1

# Construction Management Approach

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Design-Bid-Build Project

## **Construction Duration:**

- Anticipated construction duration of 2.6 years
- Workhours from 6:00 AM to 2:00 PM in accordance with District 6 Electrical Facilities daily work shift

# Procurement and Budget

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- Project Advertised August 2, 2025
- Engineer's estimate was \$26,265,601.10
- Bid opening held October 28, 2025
- Three (3) bids were received:

Dagle Electrical Construction Corp	\$17,777,771.17
Fischbach & Moore Electrical Group LLC	\$23,526,613.66
J F White Contracting Co	\$24,116,802.24

Line Item	Budget
Bid Amount	\$17,777,771.17
Contingencies	\$2,666,665.67
Construction Engineering (5%)	\$888,888.59
Specialty Services	\$2,500.00
Traffic Police	\$262,500.00
<b>Total</b>	<b>\$21,598,325.43</b>

Project financed with MHS/Metropolitan Highway System Capital Funds through the 2026-2030 CIP/Capital Investment Plan

# Questions from Capital Programs Committee

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**Q1.** There is a significant difference between the bid responses – can you drill down on why that's the case?

**A1.** Our Construction Section sought clarification from the low bid contractor regarding their bid prices. The Contractor submitted their signed assurance confirming its understanding of the specifications for this contract and their bid prices.

**Q2.** Are bidders bidding on exact same equipment or specifications?

**A2.** All bidders are bidding on the same specifications and what they propose needs to be compatible with the existing system.

**Q3.** Is there a projected lifespan on the system improvements? Is the lifespan discussed during the bidding process to guarantee to standard?

**A3.** The projected lifespan is 30 years.

# Request of the MassDOT Board of Directors

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The Price Proposals were reviewed by engineers for Construction, Construction Contracts, Project Management, and the Design Consultant; costs were found to be reasonable and recommended to be awarded to the apparent low bidder.

## Request of the MassDOT Board

Staff request that the MassDOT Board of Directors authorize the Secretary of the Massachusetts Department of Transportation, or their designee, to award and execute MassDOT Construction Contract 131826 – Boston – UPS System Replacements in Central Artery Tunnels with **Dagle Electrical Construction Corp** in the amount of **\$17,777,771.17**.

# Thank You

