

MassDOT Highway Construction
Contract No. 132403 – Weigh In Motion Station Enhancements And
Expansion At 15 Locations – Statewide

December 3, 2025



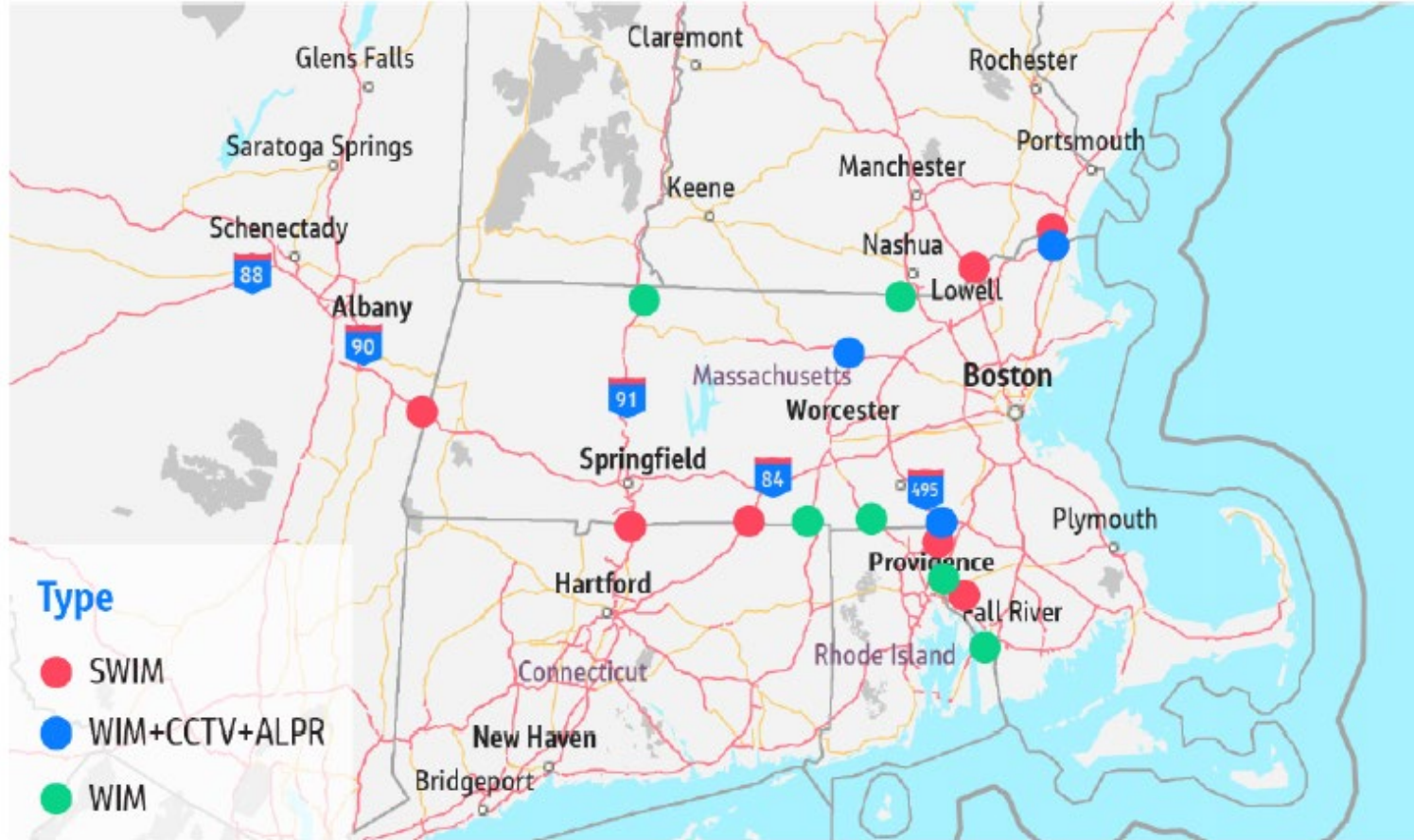
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Overview

Project Location

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Locus map

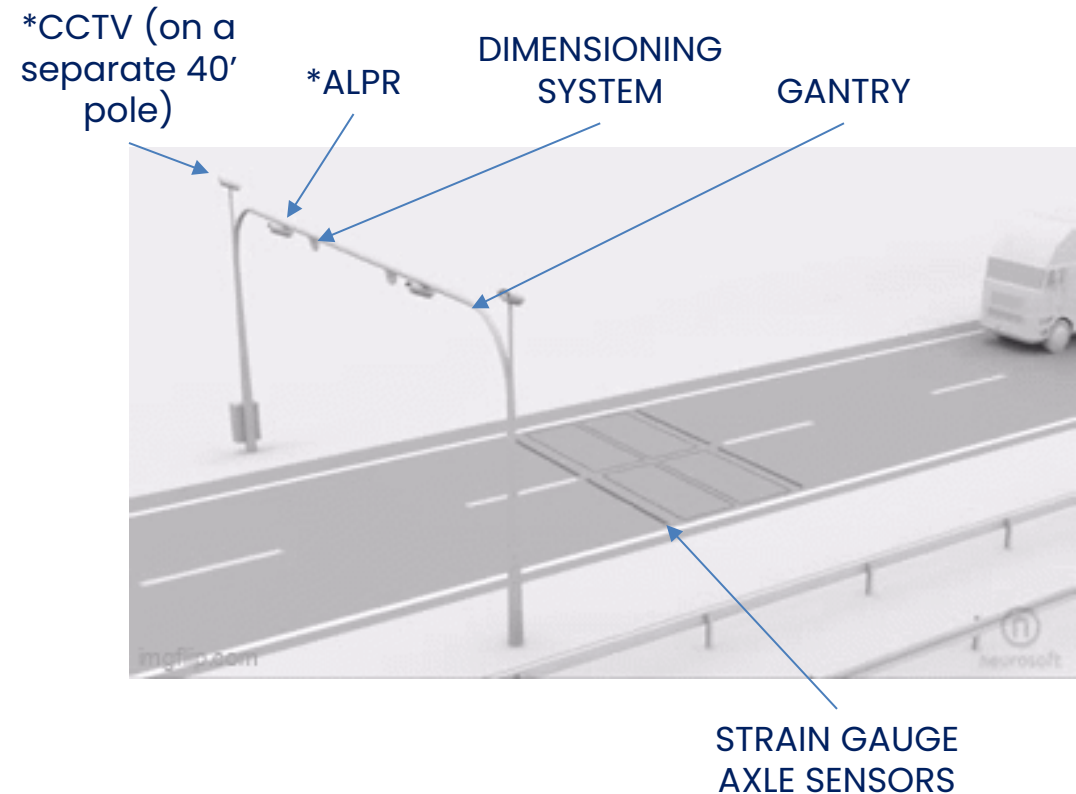
- WIM: weigh in motion
- SWIM: super weigh in motion
- CCTV: closed circuit television
- ALPR: automated license plate readers

Overview

Beyond Mobility Highlights

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- Weigh-In-Motion (WIM) stations are used by MassDOT to monitor vehicle weights and axle loads on roadways. Traffic loading data collected by WIM include wheel (single or dual tires) loads, axle loads, and gross vehicle weights (GVW).
- This project consists of installing 15 new Weigh-In-Motion Stations across Massachusetts, ensuring compliance with FHWA recommendations.
- Project Investment meets Beyond Mobility priorities for **Reliability** and **Safety** through gathering data on vehicle weights, classifications, and speeds
- This project supports **Travel experience**.
- This project includes collaboration with the State Police, the RMV, and the pavement management and permits sections.



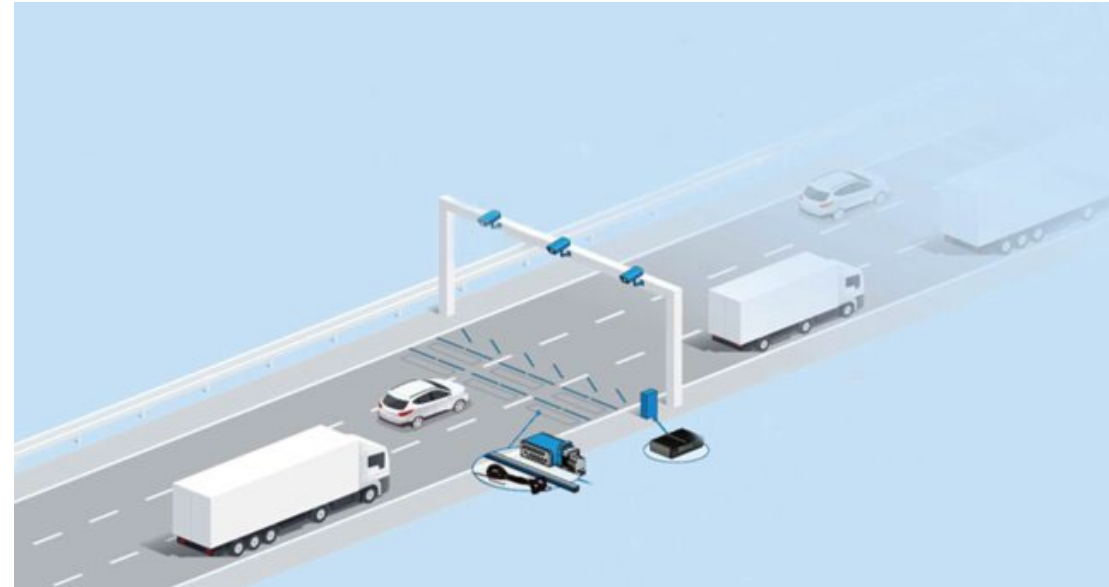
*CCTV-Closed-Circuit Television

*ALPR-Automated License Plate Readers

Project Scope

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- Installation of 15 Weigh-In-Motion (WIM) Systems and the deployment, operation, and maintenance of a Weigh-In-Motion Software System and other related work
- Installed on various roadways along Interstates 84, 90, 91, 95, 195, 290, 295, 395, 495, and Routes 3, 24, and 146
- In MassDOT Districts 1, 2, 3, 4, and 5
- These include four new sites and upgrades to 11 existing sites
- The Weigh-In-Motion Software System will be a Commercial-Off-The-Shelf (COTS) vendor owned system



Construction Management Approach

Outreach and Duration

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Public Outreach:

- RFI released to the industry on 10/31/24 to receive input from the industry on the state for WIM technology
- Several stakeholder meetings and the development of a Concept of Operations and System Requirements to meet the needs of all stakeholders throughout the system engineering process
- Attendance at two Construction Industries of Massachusetts (CIM) meetings to introduce the project and let the industry know it was going to be advertised in September 2025.

Construction Duration:

- approximately 6 years commencing upon the Notice to Proceed.
- Field completion duration is 3 years from the Notice to Proceed. Remaining 3 years are for operations and maintenance of the system once installed.

Procurement and Budget

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- Project Advertised September 13, 2025
- Engineer's Estimate was \$20,790,270.86
- Bid Opening held November 4, 2025
- 3 Bids were received:

Coviello Electric & General	\$23,776,784.13
Dagle Electrical Constr Corp	\$25,888,852.00
J F White Contracting Co	\$29,594,964.70

Line Item	Budget
Bid Amount	\$23,776,784.13
Contingencies	\$2,377,678.41
Construction Engineering (5%)	\$1,188,839.21
Traffic Police	\$680,000
Trainees	<u>\$4,000</u>
Total	\$28,027,301.75

Project is funded using a combination of Federal and State Funds.

- Federal - NFP/National Freight Program.
- State - WT/Western Turnpike Funds

Questions from Capital Programs Committee

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Q1. Will this new technology mean weigh stations will be eliminated over time?

A1. No, we are not anticipating any weigh stations being eliminated. State police will use weigh stations or pull off areas for enforcement, requiring trucks to be weighed with portable scales.

Q2. Is there a general percentage of how many vehicles are overweight on average either statewide or nationally?

A2. Nationally, the rate of overweight trucks generally “over the 80 kips load limit” is estimated between 3% to 5%. We do not have enough data to provide an accurate answer for a statewide average.

Q3. Are other states using this technology?

A3. Yes, many states are using this technology; this system has been modeled after theirs.

Q4. Are we currently operating weigh in motion systems? Is this new technology for the Commonwealth or an expansion?

A4. We are currently operating weigh in motion stations but only 1 is currently operating.

Q5. Is this a new vendor? How is the vendor being vetted and is MassDOT IT part of the review process?

A5. This is a new vendor, and all vendors had to be prequalified in ITS. IT is involved, especially in cybersecurity.

Questions from Capital Programs Committee

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Q6. Does the existing system capture license plate information? Will it comply with our policy on data storage, who has access and how it's being used?

A6. The existing system does not. The information is only stored for violators and shared with the RMV and State Police, then deleted after 30 days.

Q7. Will this data be helpful with pavement management?

A7. Yes, this data will support pavement design of these roads moving forward.

Q8. Any feedback from the public outreach process that's notable?

A8. There was some concern related to automated enforcement, but there are no plans for that.

Q9. If we are putting this technology near current weigh stations, how are the current weigh stations used and are they in compliance with standards?

A9. This new technology will identify locations experiencing overloaded trucks. State Police will use that data to identify spot checking locations. State Police will need to bring their own calibrated scales to weigh vehicles and vehicles will be ticketed based on those scales.

Request of the MassDOT Board of Directors

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The Price Proposals were reviewed by engineers in Construction, Construction Contracts, Traffic & Safety, 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 132403 – Statewide -Weigh In Motion Station Enhancements And Expansion At 15 Locations, with **Coviello Electric & General**, for the amount of **\$23,776,784.13**.

Thank You

