



MANAFORT BROTHERS INCORPORATED

MASSDOT ACCELER-8 I-90 BRIDGE REPLACEMENT

Highway & Bridges



PROJECT

MassDOT Acceler-8 I-90 Bridge Replacement

MARKETS

Concrete
Highways & Bridges
Alternative Project Delivery

CONTRACT TYPE

Specialty Contractor

PROJECT OWNER

Massachusetts Department Of Transportation

LOCATION

Southborough & Westborough, MA

The MassDOT Acceler-8 I-90 Bridge Replacement Project involved the rapid replacement of 8 bridges on Interstate 90 (Massachusetts Turnpike) over the course of 8 weekends in the summer of 2021. Using Accelerated Bridge Construction (ABC) methods, construction that would typically take years, disturb traffic patterns, and cause traffic jams took less than 2 months. All work was performed and completed in weekend outages from 6pm on Friday evenings through 6am on Monday mornings, meaning each bridge was replaced in a mere 60-hours.

Manafort-Precision was contracted to perform all concrete and grouting work for the 8 bridges during the 60-hour shutdowns. Manafort crews worked three shifts around the clock within the tight work window to complete all of the required work. Manafort's scope of work included forming, reinforcing, and placing new abutment walls at the Cordaville bridge, forming and placing closure pours and bridge barriers, installation of reinforcing, installation of bridge bracket working platforms, and grouting at the Cordaville, Parkerville, Woodland, and Flanders East and Westbound bridges.



Due to the accelerated nature of the project, extensive pre-planning, advance preparation, prefabrication, communication, and teamwork amongst all project parties were critical to the success of the project. The end result was that all work was completed safely, very successfully, as planned, ahead of schedule, and under budget.

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