

Project Description
State Project No. 0130-0193, FAP No. (PE) 0842(319) & (CN) 0842(328)
I-84 Pavement Rehabilitation and Reconstruction (PRRP)
Towns of Southbury and Middlebury

Project Location: This project is located on Interstate 84 (Yankee Expressway), eastbound and westbound, in the Towns of Southbury and Middlebury. The project limits begin in Southbury at Interchange 13 (mile point 18.60) and extend approximately 7.88 miles to Middlebury (mile point 26.48), just east of Bridge Nos. 01162 and 01163 over Long Meadow Road.

Purpose and Need: The purpose of this project is to rehabilitate the existing wearing surface on Interstate 84 within the project limits and restore it to an acceptable condition that is consistent with FHWA pavement guidelines. This section of roadway was constructed as early as 1961 with a wearing surface comprised of flexible concrete pavement. Currently, the pavement structure has reached the age that requires a robust structural rehabilitation to address widespread pavement cracking and functional distresses and maintain a state of good repair. The substandard guiderail, 32-inch median barriers, roadway luminaires, signage, and overall roadside safety conditions throughout the project limits also warrant upgrade and will be addressed as part of this project.

Existing Conditions: Interstate 84 is classified as an Interstate Highway that serves as an east-west thoroughfare between the States of New York and Massachusetts. The existing Average Daily Traffic volumes range between 61,900 and 73,700 vehicles per day as reported on the 2018 expressway cycle. The mainline roadway in each direction primarily consists of two 12-foot travel lanes with a 4-foot left shoulder and a 10-foot right shoulder. Sections of an 11-foot truck climbing lane exist throughout, where the adjacent left shoulder is reduced to 3-feet. A grass median separates opposing lanes of traffic, with a combination of trees and guiderail spread throughout. The project limits encompass a total of four interchanges (Exit 13 to 16) and 16 bridges (six overpass).

Project Description: The proposed pavement rehabilitation and reconstruction includes a mill and functional overlay of 3.25" along the mainline, 2" on bridges, and 2.25" on ramps. Additionally, substandard guiderail will be upgraded to meet the AASHTO Manual for Assessing Safety Hardware (MASH). Catch basin tops will be reset or replaced, as needed. Existing roadway luminaires at Interchange 15 will be replaced for energy efficiency, which will involve converting high-pressure sodium (HPS) lights to LED and performing related miscellaneous electrical repairs. Traffic signal nos. 130-213 and 130-214 at the Interchange 15 ramps will be upgraded to video detection. Finally, within the project limits, all extruding aluminum side mounted signs will be replaced. Construction activities may involve shoulder and lane closures, so maintenance and protection of traffic will be required throughout the duration of the project. No rights-of-way or utility impacts are anticipated.

Project Schedule (Accelerated)

DA: 05/01/2024
FDP: 05/15/2024
DCD: 06/26/2024
ADV: 07/24/2024
NTP: Spring 2025

Cost Estimate

Preliminary Design: \$2,000,000
Final Design: \$1,000,000
Rights-of-Way: -
Construction: \$49,420,900
Total: \$52,420,900