

**STATE OF CONNECTICUT  
DEPARTMENT OF TRANSPORTATION**



**PROJECT MEMORANDUM FOR  
ENGINEERING**

DATE: 9/23/2022

To: **Darren E. Meyers**  
Director of Capital Services  
Bureau of Finance & Administration

MOD # RPM

From: L. Zhang for Jacob Booth  
PE or PL Project ID: **DOT00520094PE**  
FD Project ID: **DOT00520094FD**  
RW Project ID: **DOT00520094RW**  
CN Project ID: **DOT00520094CN**

*Please Review Project Information and Estimate for Approval:*

|                                                            |                                                                                                        |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Project Description (short):</b><br>25 (30 Characters)  | Bridge #00935 Replacement                                                                              |
| <b>Project Description (long):</b><br>102 (254 Characters) | NHS - Replacement of Bridge No. 00935 carrying Route 32 over New England Central Railroad in Franklin. |

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Justification:</b><br>1098 (1333 Characters)     | <p>Bridge No. 00935, built in 1941 and reconstructed in 1990, is currently in poor condition. The superstructure is rated 4 (poor) due to the girders having bottom flange losses greater than 5% in multiple critical locations. An RSR will be completed to determine if a superstructure replacement or full bridge replacement is required at this bridge. Bridge List No. 35. The PE phase includes a PD/FD split.</p> <p>This project affects one asset type (bridge), as identified in the Department's TAMP, and will help towards improving on the CTDOT Performance Measure of 95% for State Maintained Roadway Bridges in a State of Good Repair (by number). This project will improve this metric by 0.02%. Also, for the Federal Performance Measures of under 10% NHS Poor (by deck area), this project will improve (decrease) this metric by 0.03%. The Federal Measure of %NHS Good (by deck area) may also be improved (increase), if the scope of work is a full replacement or a rehabilitation that results in condition ratings of "7" or higher for all the bridge components, which would improve this metric by 0.03%.</p> |
| <b>Project Manager:</b><br><br><b>Jacob Booth</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Project Engineer:</b><br><br><b>Dhvani Patel</b> | PPI # PP052-0003. Requires individual STIP entry because on the NHS and over \$5 million.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                     |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|-------------------|---------|--|------------------|------------------------------|--|------------|--|------------------|------------|--|-----|--|------------------|------------|--|-----|--|-----------------|------------|--|-----|--|
| <b>Scope Code:</b> <b>BP 2</b>                                                                   | <b>BP 2 - Bridge List Program</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                     |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |
| <b>Requested Schedule (Proj. Manager):</b>                                                       | <b>Assigned Schedule (Capital Planning):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                     |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |
| <input checked="" type="checkbox"/> <b>State ADV</b><br><input type="checkbox"/> <b>Town ADV</b> | <table border="1"> <tr> <td><b>11/23/2022</b></td> <td><b>PE(PD) Start</b></td> <td>PE PAED is 9/8/28</td> <td>PE Auth</td> <td></td> </tr> <tr> <td><b>1/10/2024</b></td> <td><b>Design Approval/FD/RW</b></td> <td></td> <td>FD/RW Auth</td> <td></td> </tr> <tr> <td><b>1/28/2026</b></td> <td><b>FDP</b></td> <td></td> <td>FDP</td> <td></td> </tr> <tr> <td><b>3/11/2026</b></td> <td><b>DCD</b></td> <td></td> <td>DCD</td> <td></td> </tr> <tr> <td><b>4/8/2026</b></td> <td><b>ADV</b></td> <td></td> <td>ADV</td> <td></td> </tr> </table> | <b>11/23/2022</b> | <b>PE(PD) Start</b> | PE PAED is 9/8/28 | PE Auth |  | <b>1/10/2024</b> | <b>Design Approval/FD/RW</b> |  | FD/RW Auth |  | <b>1/28/2026</b> | <b>FDP</b> |  | FDP |  | <b>3/11/2026</b> | <b>DCD</b> |  | DCD |  | <b>4/8/2026</b> | <b>ADV</b> |  | ADV |  |
| <b>11/23/2022</b>                                                                                | <b>PE(PD) Start</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PE PAED is 9/8/28 | PE Auth             |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |
| <b>1/10/2024</b>                                                                                 | <b>Design Approval/FD/RW</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | FD/RW Auth          |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |
| <b>1/28/2026</b>                                                                                 | <b>FDP</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | FDP                 |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |
| <b>3/11/2026</b>                                                                                 | <b>DCD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | DCD                 |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |
| <b>4/8/2026</b>                                                                                  | <b>ADV</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   | ADV                 |                   |         |  |                  |                              |  |            |  |                  |            |  |     |  |                  |            |  |     |  |                 |            |  |     |  |

|                                                                  |                             |                        |                             |
|------------------------------------------------------------------|-----------------------------|------------------------|-----------------------------|
| <b>Estimates Summary:</b>                                        |                             | <b>Project Type CN</b> |                             |
| <b>Project Type</b>                                              | <b>EST Amount Requested</b> | <b>Activity</b>        | <b>EST Amount Requested</b> |
| PE or PL                                                         | \$1,060,000                 | CT                     | \$15,700,000                |
| FD                                                               | \$778,000                   | CG                     | \$0                         |
|                                                                  |                             | IN                     | \$0                         |
| <b>Total</b>                                                     | <b>\$1,838,000</b>          | NI                     | \$0                         |
|                                                                  |                             | NF                     | \$0                         |
| <b>Project Type</b>                                              | <b>EST Amount Requested</b> | UT                     | \$0                         |
| RW                                                               | \$50,000                    | RF                     | \$0                         |
|                                                                  |                             | SF                     | \$0                         |
| <b>Total</b>                                                     | <b>\$50,000</b>             | TF                     | \$0                         |
|                                                                  |                             | CM                     | \$0                         |
|                                                                  |                             | <b>Total</b>           | <b>\$15,700,000</b>         |
| <b>Project Grand Total (Sum of Project Types) = \$17,588,000</b> |                             |                        |                             |

|                                                                                                                                        |                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Submitted by: (sign &amp; date)</b>                                                                                                 | <b>Approved by: (sign &amp; date)</b>                                                                                                             |
| <b>Project Manager</b> <b>Jacob A. Booth</b><br><small>Digitally signed by Jacob A. Booth<br/>Date: 2022.09.28 13:20:44-04'00'</small> | <b>Division Chief</b> <b>Sweeney, Bartholomew</b><br><small>Digitally signed by Sweeney, Bartholomew<br/>Date: 2022.10.17 15:11:55-04'00'</small> |
| <b>Principal Engineer</b><br><small>Digitally signed by Derick Lessard,<br/>P.E.<br/>Date: 2022.10.11 08:27:15-04'00'</small>          | <br><b>10/18/2022</b><br><b>Director of Capital Services - Darren E. Meyers</b>                                                                   |

