

**STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION**



**PROJECT MEMORANDUM FOR
ENGINEERING**

DATE: 12/3/2021

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

MOD # RPM

From: L. Zhang for Alvaro Garcia
PE or PL Project ID: **DOT00580339PE**
FD Project ID: **DOT00580339FD**
RW Project ID: **DOT00580339RW**
CN Project ID: **DOT00580339CN**

Please Review Project Information and Estimate for Approval:

Project Description (short): 27 (30 Characters)	Bridge #01771 & 01772 Rehab
Project Description (long): 128 (254 Characters)	NHS - Rehabilitation of Bridge 01771 carrying I-95 Southbound and bridge 01772 carrying I-95 Northbound over Route 12 in Groton.

Justification: 731 (1333 Characters)	Bridge 01771, built in 1964, is in poor condition and the superstructure is rated a "4". Repairs required include beam end repairs and replacing the bearings at the pier caps. Bridge 01772, which is rated a "5" and was added due to its proximity (sister bridge - built the same year as 01771), also requires beam end repairs and bearings replacement. Deterioration forecasts also predict the need for a rehabilitation project for Bridge 01772 within the next few years. Full field painting is recommended for both bridges as up to 15% of the painted system has failed and is continuing to deteriorate. Waterproof membrane and overlay will also be included in this project. Bridge List No. 35. The PE phase includes a PD/FD split. ***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 0.05% (1345.24 sq. meters). 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 of the bridge components, which would improve this metric by 0.08% (2200.38 sq. meters).***
Project Manager: Alvaro Garcia	
Project Engineer: Dhvani Patel	PPI # PP058-0012. "NHS" to be included in project description to track poor bridge 01771.

Scope Code: **BP 2** BP 2 - Bridge List Program

☒ State ADV ☐ Town ADV	Requested Schedule (Proj. Manager):	Assigned Schedule (Capital Planning):	
	4/13/2022	PE(PD) Start	PE Auth <u> </u>
	9/27/2023	Design Approval/FD/RW	FD/RW Auth <u> </u>
	6/4/2025	FDP	FDP <u> </u>
	7/16/2025	DCD	DCD <u> </u>
	8/13/2025	ADV	ADV <u> </u>
		PAED is 1/14/2028	

Estimates Summary:		Project Type CN	
Project Type	EST Amount Requested	Activity	EST Amount Requested
PE or PL	\$925,000	CT	\$13,000,000
FD	\$670,000	CG	\$0
		IN	\$0
Total	\$1,595,000	NI	\$0
		NF	\$0
		UT	\$0
Project Type	EST Amount Requested	RF	\$0
RW	\$50,000	SF	\$0
		TF	\$0
Total	\$50,000	CM	\$0
		Total	\$13,000,000
Project Grand Total (Sum of Project Types) = \$14,645,000			

Submitted by: (sign & date)	Approved by: (sign & date)
Project Manager (Print Name) Jacob Booth Digitally signed by Jacob Booth Date: 2022.01.10 08:22:16-05'00'	Division Chief (Print Name) Sweeney, Bartholomew Digitally signed by Sweeney, Bartholomew Date: 2022.01.19 20:06:02-05'00'
Principal Engineer (Print Name) <i>Andrew J. Cardilli</i> Digitally signed by Andrew J. Cardilli, P.E. DN: cn=Andrew J. Cardilli, o=State of Connecticut, ou=Department of Transportation, email=andrew.cardilli@dot.gov, c=US Date: 2022.01.18 07:31:45-05'00'	Director of Capital Services - Darren E. Meyers 1/25/2022

Estimates for PL, PD, portion of PE, or total PE (if no PD/FD split):							RPM		Project ID		DOT00580339PE		
Proj Type	Activity	Federal Amount	Fed Fund	Fed SID	Source Type	State Amount	State Fund	State SID	Source Type	Other Amount	Other Fund	Other SID	Source Type
PE	PE0000	\$832,500	12062	22108	ZNHPP	\$92,500	13033	41393	ZSTEZ				
PE													
PE													
PE													
		\$832,500				\$92,500				\$0			
Total		\$925,000											

Estimates for FD of PE portion:							RPM		Project ID		DOT00580339FD		
Proj Type	Activity	Federal Amount	Fed Fund	Fed SID	Source Type	State Amount	State Fund	State SID	Source Type	Other Amount	Other Fund	Other SID	Source Type
FD	PE0000	\$603,000	12062	22108	ZNHPP	\$67,000	13033	41393	ZSTEZ				
FD													
FD													
FD													
		\$603,000				\$67,000				\$0			
Total		\$670,000											

Estimates for Rights of Way:							RPM		Project ID		DOT00580339RW		
Proj Type	Activity	Federal Amount	Fed Fund	Fed SID	Source Type	State Amount	State Fund	State SID	Source Type	Other Amount	Other Fund	Other SID	Source Type
RW	RW0000	\$45,000	12062	22108	ZNHPP	\$5,000	13033	41393	ZSTEZ				
RW													
RW													
RW													
		\$45,000				\$5,000				\$0			
Total		\$50,000											

Estimates for Construction:							RPM		Project ID		DOT00580339CN		
Proj Type	Activity	Federal Amount	Fed Fund	Fed SID	Source Type	State Amount	State Fund	State SID	Source Type	Other Amount	Other Fund	Other SID	Source Type
CN	CT0000					\$13,000,000	13033	43123	ZSTEZ				
CN													
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CN													
CN													
CN													
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CN													
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CN													
		\$0				\$13,000,000				\$0			
Total		\$13,000,000											