STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT MEMORANDUM FOR ENGINEERING

DATE: 6/26/2023

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

MOD # RPM

From: L. Zhang for L. Conroy/J. Lockaby

PE or PL Project ID: **DOT01520164PE**
FD Project ID: **DOT01520164FD**
RW Project ID: **DOT01520164RW**
CN Project ID: **DOT01520164CN**

Please Review Project Information and Estimate for Approval:

Project Description (short): 21 (30 Characters)	Route 85 CTSS Upgrade
Project Description (long): 212 (254 Characters)	Replacement of the Computerized Traffic Signal System (CTSS) along CT 85 (Hartford Turnpike/Broad Street) in Waterford from Jefferson Avenue (Int. No. 152-211) to the I-395 Southbound Off Ramp (Int. No. 152-228).

Justification: 635 (1333 Characters)

This project is needed to replace the aging traffic signal infrastructure, as needed for a state of good repair, and to deploy an Intelligent Transportation System (ITS). All traffic signals in the project will have full equipment replacement; this excludes the flashing beacon, which is not included in the project. Replacement of the CTSS will involve new fiber optic communications and will allow CTDOT to use advanced technologies to monitor and reduce travel times. The project also has the potential to deploy Adaptive Signal Control Technologies (ASCT) and Connected Vehicle (CV) technology. PE phase includes a PD/FD split.

PPI # PP152-0007. All phases of this project are initially being programmed with NHPP funds. PE(FD), RW and CN phases may be eligible for CMAQ funds, however FHWA will not make a CMAQ eligibility determination until no-build and build scenario emission rates from MOVES are completed in order to determine if the project will reduce emissions. The Project Manager is responsible for coordinating with the Travel Demand / Air Quality Modeling Unit to complete the emissions analysis and following up with FHWA and Finance regarding CMAQ eligibility during the PE(PD) phase.

Project Manager: John Lockaby
Project Engineer: Anthony Servidone

Scope Code: ST 4 — ST 4 - Signalization Improvements

Requested Schedule (Proj. Manager):		Assigned Schedule (Capital Planning):	
9/27/2023 (FY23 auth)	**PE(PD) Start**	PE Auth	
4/16/2025	**Design Approval/FD/RW**	FD/RW Auth	
3/25/2026	**FDP**	FDP	
5/6/2026	**DCD**	DCD	
6/3/2026	**ADV**	ADV	

☑ **State ADV**
☐ **Town ADV**

Estimates Summary:

Project Type	EST Amount Requested
PE or PL	$1,492,000
FD	$554,000
Total	**$2,046,000**

Project Type	EST Amount Requested
RW	$100,000
Total	**$100,000**

Project Type CN

Activity	EST Amount Requested
CT	$12,451,000
CG	$0
IN	$0
NI	$0
NF	$0
UT	$0
RF	$0
SF	$0
TF	$0
CM	$0
Total	**$12,451,000**

Project Grand Total (Sum of Project Types) = $14,597,000

Submitted by: (sign & date)	**Approved by:** (sign & date)
Project Manager	**Division Chief**
Principal Engineer	**Director of Capital Services - Darren E. Meyers**

Estimates for PL, PD, portion of PE, or total PE (if no PD/FD split):								RPM		Project ID	DOT01520164PE		
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	$1,193,600	12062	22108	ZNHPP	$298,400	13033	41404	ZSTEZ				
PE													
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PE													
		$1,193,600				$298,400				$0			
	Total	**$1,492,000**	80% Fed	20% State	0% Other	100% Total							

Estimates for FD of PE portion:								RPM		Project ID	DOT01520164FD		
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	$443,200	12062	22108	ZNHPP	$110,800	13033	41404	ZSTEZ				
FD													
FD													
FD													
		$443,200				$110,800				$0			
	Total	**$554,000**	80% Fed	20% State	0% Other	100% Total							

Estimates for Rights of Way:								RPM		Project ID	DOT01520164RW		
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	$80,000	12062	22108	ZNHPP	$20,000	13033	41404	ZSTEZ				
RW													
RW													
RW													
		$80,000				$20,000				$0			
	Total	**$100,000**	80% Fed	20% State	0% Other	100% Total							

Estimates for Construction:								RPM		Project ID	DOT01520164CN		
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	$9,960,800	12062	22108	ZNHPP	$2,490,200	13033	41404	ZSTEZ				
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		$9,960,800				$2,490,200				$0			
	Total	**$12,451,000**	80%	20%	0%	100%							