

**STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION**



**PROJECT MEMORANDUM FOR
ENGINEERING**

DATE: 9/12/2018

To: Patricia A. Hustus
Capital Services Division
Bureau of Finance & Administration

MOD # RPM

From: J. Trio for Marissa Washburn
FD Project ID: DOT01030274FD
PE or PL Project ID: DOT01030274PE
RW Project ID: DOT01030274RW
CN Project ID: DOT01030274CN

Please Review Project Information and Estimate for Approval:

Project Description (short): 27 (30 Characters)	CT 82 Int. Improvs. Phase 1
Project Description (long): 253 (254 Characters)	Safety improvement project to replace three signalized intersections with modern roundabouts along CT Route 82 in Norwich, and install a continuous raised median between the intersections, between Maple Street and Fairmount Street (MP 27.51 - MP 28.13).

Justification: 1205 (1333 Characters)	This project will address the high crash rate along this section of CT 82, which experienced 154 crashes with 69 injuries (2011-2013) and contains two SLOSS locations. Multiple shopping plazas and commercial businesses line the roadway and there is a high percentage of angle-type crashes when motorists turn left into these businesses. Additionally, the existing four-lane cross section does not provide storage for left-turning vehicles, contributing to read-end crashes and creating capacity concerns when vehicles are stopped to turn. This roundabout concept was studied under Project 103-257 and will address the crash problem by prohibiting left turns but allowing for U-turns at the roundabouts. It was analyzed against other alternatives using the IHSDM and shown to have the highest safety benefit. This is the first of two projects recommended for the CT 82 corridor. The design of this segment is anticipated to be less complex than the other project and is therefore anticipated to be constructed first. The PE phase includes a PD/FD split and will be partially funded with earmark funds repurposed under Demo IDs CT069 and CT143 as part of the FFY 2018 earmark repurposing initiative.
Project Manager: Scott Bushee	
Project Engineer: Jordan Pike	

Scope Code: OI 1	OI 1 - Intersection Improvement
Requested Schedule (Proj. Manager):	
☒ State ADV	10/17/2018 PE(PD) Start
☐ Town ADV	9/16/2020 Design Approval/FD/RW
	8/24/2022 FDP
	10/5/2022 DCD
	11/2/2022 ADV
Assigned Schedule (Capital Planning):	
	PE Auth
	FD/RW Auth
	FDP
	DCD
	ADV

Estimates by Activity (Minor Phase):							
Total EST in Core-CT	Estimate in Core-CT for RPM/MOD #	EST Amount Requested	Activity	Activity	Total EST in Core-CT	Estimate in Core-CT for RPM / MOD#	EST Amount Requested
\$0	\$0	\$3,000,000	PE	CT	\$0	\$0	\$16,500,000
\$0	\$0	\$0	NF	CG	\$0	\$0	\$0
				IN	\$0	\$0	\$0
\$0	\$0	\$3,000,000		NI	\$0	\$0	\$0
				NF	\$0	\$0	\$0
				UT	\$0	\$0	\$0
				RF	\$0	\$0	\$0
				SF	\$0	\$0	\$0
				TF	\$0	\$0	\$0
				CM	\$0	\$0	\$0
\$0	\$0	\$3,750,000			\$0	\$0	\$16,500,000

Preceding MOD #		Current MOD #	RPM	Total EST Amount in Core-CT for All Phases	\$0
Preceding MOD Amt	\$0	Current MOD Amt	\$0		

Submitted by: (sign & date)	Approved by: (sign & date)
Project Manager Scott A. Bushee	Division Chief Gregory M. Dorosh
Principal Engineer Matthew R. Vail	Capital Planning - Darren E. Meyers

Preliminary Engineering Estimates by Activity / Fund / SID:								RPM		Project ID		DOT01030274PE	
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	\$818,908.79	12062	22108	ZRPS1	\$204,727.20	13033	41392	ZSTEZ				
PE	PE0000	\$92,433.21	12062	22108	ZRPF1	\$23,108.30	13033	41392	ZSTEZ				
PE	PE0000	\$688,658	12062	21118	ZACZZ	\$172,164.50	13033	41392	ZSTEZ				
FD	PE0000	\$800,000	12062	22108	ZSTNL	\$200,000	13033	41392	ZSTEZ				
		\$2,400,000					\$600,000			\$0			
PE SUM:		\$3,000,000											

Rights of Way Estimates by Activity / Fund / SID:								RPM		Project ID		DOT01030274RW	
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	\$3,000,000	12062	22108	ZSTPA	\$750,000	13033	41404	ZSTEZ				
RW													
RW													
RW													
		\$3,000,000					\$750,000			\$0			
RW SUM:		\$3,750,000											

Construction Estimates by Activity / Fund / SID:								RPM	Project ID		DOT01030274CN		
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	\$5,000,000	12062	22108	ZSTNL	\$1,250,000	13033	41404	ZSTEZ				
CN	CT0000	\$8,200,000	12062	22108	ZSTPA	\$2,050,000	13033	41404	ZSTEZ				
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Budgets by Activity (Minor Phase):				
DOTPE Budget in Core-CT		Activity	Activity	DOTCN Budget in Core-CT
\$0		PE	CT	\$0
\$0		NF	CG	\$0
\$0			IN	\$0
			NI	\$0
			NF	\$0
			UT	\$0
DOTRW Budget in Core-CT		Activity	RF	\$0
\$0		RW	SF	\$0
\$0		NF	TF	\$0
\$0			CM	\$0
				\$0