

Project Title:	CTH Y – CTH L to CTH HH	Project #:	202301
Department:	Public Works - Highways	Project Type:	Rehabilitation
Phase:	Preliminary Design	Road Name:	Racine Avenue
Budget Action:	Delay	Manager:	Allison Bussler, DPW Director
Date:	April 13, 2024		

CAPITAL BUDGET SUMMARY						
Year Project Phase	2024 Design	2025 Land Acq	2026	2027 Const		Total Project
Expenditure Budget	\$76,600	\$300,000	\$0	\$900,000	\$0	\$1,276,600
Revenue Budget	\$0	\$240,000	\$0	\$0	\$0	\$240,000
Net Costs After Revenues Applied	\$76,600	\$60,000	\$0	\$900,000	\$0	\$1,036,600
COST DOCUMENTATION		REVENUE				
Design		\$348,000	STP and BIL			\$3,906,400
WisDOT Design Review		\$35,000				
Land Acquisition		\$300,000	STP Land Acquisition			\$240,000
Construction		\$3,900,000				
Construction Management		\$400,000				
Contingency		\$200,000				
Total Project Cost		\$5,183,000	Total Revenue			\$4,146,400
EXPENDITURE BUDGET		\$1,276,600	REVENUE BUDGET			\$240,000

Project Scope & Description: This 2.1-mile-long project involves the pavement replacement and rehabilitation of CTH Y (Racine Avenue) to bring it up to current standards. Improvements may include replacing the existing asphalt pavement, reconfiguring intersections to improve safety, replacing older traffic signals, minor grading, and storm water improvements. Access to businesses and residences adjacent to CTH Y (Racine Avenue) will need to be maintained during construction. The roadway will be open to local traffic during construction. This project will use federal funds to partially offset the cost of design, land acquisition, and construction. The Department received a combined total of \$4,146,400 in federal Surface Transportation Program (STP) funds and Bipartisan Infrastructure Law (BIL) funds. Project costs were increased \$393,000 due to anticipated inflation, material costs and competitive bidding climate. ~~The approved federal aid from BIL funds for this project was also increased \$314,400 in 2023 to cover 80% of the anticipated cost increases.~~ Construction has been delayed to 2027 to provide adequate time for design and land acquisition. CTH Y is part of the proposed detour route for the CTH O (CTH HH to Grange Avenue) project. If the CTH O (CTH HH to Grange Avenue) project is delayed due to the new SMA, CTH Y construction will need to move from 2027 to 2028.

Locations: City of New Berlin and City of Muskego.

Analysis of Need: CTH Y (Racine Avenue) is a heavily traveled North-South facility. The highway serves industrial parks in the city of Muskego, residential development in both Muskego and New Berlin and isolated commercial uses along the corridor. It provides a north-south connection to the City of Waukesha, City of New Berlin, City of Muskego and Interstate 43.

The pavement along this stretch of roadway is deteriorating and in poor condition. The county's 2020 pavement inspection reports the Pavement Condition Index (PCI) of the section of CTH Y from CTH L (Janesville Road) to CTH HH (College Avenue) varies from 26 to 46. The existing pavement has reached the end of its service life and is in need of resurfacing/rehabilitation. The pavement deficiencies include transverse and longitudinal cracking, alligator cracking, rutting and minor settlement/heaving. There is edge raveling and failure in the rural sections.

Drainage in the urban section, between CTH L and Hillendale Dr, is not functioning due to paved over flow lines, non existent gutter sections and damaged curb sections.

Alternatives: Do Nothing, which does not address the pavement condition or intersections.

Ongoing Operating Costs: Operating costs are not expected to change.

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Previous Action: Approved as a new project in the 2023-2027 capital plan. Approved with cost and revenue updates in the 2024-2028 capital plan.