

Project Title:	CTH YY, Underwood Creek Structure	Project #:	201302
Department:	Public Works - Highways	Project Type:	Bridge
Phase:	Construction	Road Name:	Pilgrim Road
Budget Action:	C - Scope C - \$ Update C - Rev Update	Manager:	Allison Bussler, DPW Director
Date:	April 18, 2025	Map / Image:	Click Here

CAPITAL BUDGET SUMMARY						
Year	2017	2018	2021	2023	2024	Total
Project Phase	Design	Land	Land/Utility		Ordinance	Project
Expenditure Budget	\$170,000	\$179,000	\$369,000	\$1,907,000	(\$1,145,000)	\$1,480,000
Revenue Budget	\$0	\$0	\$0	\$2,022,000	(\$1,145,000)	\$877,000
Net Cost After Revenues Applied	\$170,000	\$179,000	\$369,000	(\$115,000)	\$0	\$603,000
COST DOCUMENTATION			REVENUE			
Design		\$360,000	State Funds (LRIP-S)			\$630,000
Land Acquisition/Utility Relocation		\$100,000	(reimbursement funding)			
Construction		\$850,000	Capital Project Fund Balance			\$247,000
Construction Management		\$127,500				
Contingency		\$42,500				
Total Project Cost		\$1,480,000	Total Revenue			\$877,000
EXPENDITURE BUDGET		\$1,480,000	REVENUE BUDGET			\$877,000

Project Scope & Description

This project is a replacement of the CTH YY structure over Underwood Creek. The current 2-lane roadway will remain. The proposed scope includes replacing the existing structure with a 36-wide clear roadway width structure. Construction will be completed in 2025. This project scope has been revised and previously consisted of constructing a new 44-foot clear roadway width and a bridge that accommodates a potential future 4-lane CTH YY, relocating Underwood Creek to the westside of CTH YY, relocating the Wirth Park pedestrian bridge over Underwood Creek, rebuilding the Wirth Park tot-lot access road and parking lot, rebuilding the Wirth Park entrance road, and acquiring the 120-foot ultimate right-of-way. Project costs have been updated to reflect the revised scope.

State funding for this project, through the Local Road Improvement Program – Supplemental (LRIP-S), is expected to be about \$1.3 million lower than originally estimated due to the Wisconsin Department of Transportation assigning funding awards to different County projects than originally assumed in the Capital Plan. In addition, \$100,000 of municipal contributions were removed due to the reduced scope. Instead, a different allocation of LRIP-S of \$630,000 and \$247,000 of Capital Project Fund balance is budgeted.

Location: City of Brookfield

Analysis of Need: The existing structure is a single-span, concrete slab that spans approximately 18 feet. Also, the structure was widened to its current width using pre-stressed girders. Dates of initial construction and widening are unknown. The roadway and bridge transferred from City of Brookfield to county jurisdiction in 2006. The abutments and superstructure are in poor condition, per structure inspection reports. The roadway over the structure is narrow, with minimal shoulders. Structure replacement is recommended. The structure has a span of 18 feet and is not classified as a bridge per Federal Highway Administration (FHWA) standards, and therefore is not eligible for federal bridge aid. Traffic volume on CTH YY in 2018 was 14,900 vehicles per day.

Alternatives: Rehabilitate the existing bridge, which does not address all structural and geometric deficiencies.

Ongoing Operating Costs: Initial maintenance costs may be reduced.

Previous Action: Approved as a new project in the 2013-2017 capital plan. Approved as planned in the 2014-2018, 2015-2019, 2016-2020, 2017-2021, and 2018-2022 capital plans. Approved with delay in the 2019-2023. Approved with delay and a cost update in the 2020-2024 capital plan. Approved with a revenue update in the 2021-2025 capital plan. Approved with a delay and a revenue update in the 2022-2026 capital plan. Approved with a change in scope and cost and revenue update in the 2023-2027 capital plan.