

Project Title:	CTH O, CTH HH to Grange	Project #:	202102
Department:	Public Works - Highways	Project Type:	Priority Corridor
Phase:	Preliminary Design	Road Name:	Moorland Rd.
Budget Action:	Delay C - \$ Update C - Rev C - Scope Update	Manager:	Allison Bussler, DPW Director
Date:	July 8, 2024	Map / Image:	Click Here

CAPITAL BUDGET SUMMARY						
Year	2022	2023	2025	2026	2027	Total
Project Phase	Design	Dsgn/Land	Utility Relo	Utility Relo	Construction	Project
Expenditure Budget	\$123,000	\$614,200	\$330,000	\$1,644,000	\$4,786,000	\$7,497,200
Revenue Budget	\$0	\$428,800	\$264,000	\$1,315,200	\$1,275,000	\$3,283,000
Net Costs after Revenues Applied	\$123,000	\$185,400	\$66,000	\$328,800	\$3,511,000	\$4,214,200
COST DOCUMENTATION			REVENUE			
			Federal Surface Transportation Program (STP) Funding			
Design			Design		\$804,600	
Land Acquisition			Land		\$428,800	
Utility Relocation-TC Energy/ANR Pipeline			*Utility Relocation		\$1,579,200	
Construction			*Construction		\$9,634,000	
Construction Management			*Anticipated STP funding to be awarded			
Contingency			City of New Berlin Project Agreement		\$1,000,000	
WisDOT Construction Review			Developers Contribution		\$75,000	
			City of New Berlin Local Scope		\$200,000	
Total Project Cost	\$17,935,800		Total Revenue		\$13,721,600	
EXPENDITURE BUDGET	\$7,497,200		REVENUE BUDGET		\$3,283,000	

Project Scope & Description: This project will add the additional lanes to CTH O, between CTH HH (College Avenue) and Grange Avenue (1.2 miles) to create the planned 4-lane roadway. The road will have a median to provide for separation of opposing movements. The roadway will stay on its current alignment and will be situated within the existing 130-foot wide corridor and, although most of the right-of-way has been previously acquired, some additional land acquisition and grading easements will be needed. There is a significantly substandard vertical curve just south of the intersection with Small Road/Grange Avenue. This is due to a shallow 12-inch TC Energy/ANR natural gas pipeline that was constructed prior to the initial highway construction. The project will relocate the pipeline to accommodate correcting the substandard vertical curve and improving stopping sight distance and overall safety. This project is the final CTH O segment to be widened and rehabilitated and will allow the county to complete operational, safety and condition improvements along the entire CTH O corridor. Waukesha County applied for and was awarded Federal STP funding for the project. The City of New Berlin has signed an agreement with the County to contribute \$1,000,000 as a city contribution for the construction phase of the project. The developer has provided a contribution of \$75,000 towards the project. The project was awarded an additional \$10,740,280 of federal STP funding in the 2028-29 funding cycle. Federal STP funding now totals \$12,446,600. The City of New Berlin has requested the addition of City funded local scope, estimated to cost \$200,000 and noted as additional project revenue.

The county is waiting for an updated cost estimate from WisDOT for the additional STP funding. The additional funding may cause a construction schedule delay due to scheduling of federal funding statewide. The current information assumes a 1-year delay of construction (from 2026 to 2027) and utility relocation scheduled in 2025 and 2026, ahead of construction.

Location: City of New Berlin

Analysis of Need: When CTH O was constructed between Janesville Road and Grange Avenue in 1997, it was designed so that the 2 lane roadway that was built would become the north bound lanes of a future 4-lane roadway. At that time the SEWRPC jurisdictional plan called for CTH O to be a 2-lane highway. Since then traffic has increased significantly along the route, and the latest SEWRPC jurisdictional plan calls for CTH O to be a 4-lane highway. In 2009 the City of Muskego, as part of a Tax Incremental Financing (TIF) District, created the planned 4-lane roadway between Janesville Road and College Avenue by building the new south bound lanes. The portion of CTH O between College Avenue and Grange Avenue remains a 2-lane roadway although traffic volumes recorded in 2018 along this portion of CTH O were approximately 17,500 vehicles per day, and development along the project route is in progress. It's expected that this area will continue to develop. This development is the reason that New Berlin will contribute to this project through a new TIF District. In addition to the traffic growth, this section of CTH O is in between two four-lane segments, causing congestion and confusion due to lane drops and bottlenecks of traffic.

Alternatives:

1. Do nothing. This alternate does not address the long-term needs for the corridor.
2. Reconstruct CTH O as described above.

Ongoing Operating Costs: Operating costs are expected to increase by approximately \$10,400 per year for the additional lane miles.

