

PROJECT DESCRIPTION

The existing traffic signals at this intersection consist of standards on each corner island and one overhead traffic signal head in each direction despite entering approaches with a left-turn lane and thru lane and a channelized right-turn lane on all legs. There are currently only black backplates. The existing left-turn lanes have a neutral offset on both roadways. The intersection experiences high crash volumes.

The proposed improvement aims to convert the traffic signals to monotubes with signal heads over each lane and installing yellow retro-reflective backplates on each signal head. New signal cabinet, cabinet components, signal controller, video detection and emergency pre-emption will be included. Improved intersection lighting on each pole will be installed and positive off-set left-turn lanes will be constructed on each leg. In addition, improved pavement markings to decrease the angle at which the right-turn lanes intersect the cross streets and other safety beneficial signing will be installed.

CTH F (Redford Blvd.) and CTH K (Lisbon Road) are important, high-volume Waukesha County highways and safety improvements at this intersection are essential to decrease crashes and negative crash impacts.

This project requires survey, geotechnical investigation, pavement design, public involvement, the development of preliminary and final plans, temporary and final traffic signal design, environmental review and all reports required and outlined within the contract documents, including all reports and work necessary to complete the P.S. & E. documents for the construction of this CTH F (Redford Blvd.) and CTH K (Lisbon Road) project.