

# 2020 Village of Little Chute Projects

## **Railroad Quiet Zones**

At six of the Canadian National Railway Company (CN) public at-grade railroad crossings within the Village, additional safety measures are to be constructed to meet the codes stated under the Federal Railroad Administration. These additional safety measures will allow removal of the train horns blowing at the six public grade crossings along CN's mainline track through the Village.

Supplementary safety measures are being added at select public at-grade railroad crossing within the Village to remove the train horns blowing. Installation of the following safety measures are anticipated with the project: raised concrete center medians, channelized traffic control devices, extending existing concrete medians, permanent traffic control devices and pavement marking, and various sidewalk/driveway improvements.

## **Homewood Court**

Homewood Court is part of the Village's 2020 annual local utility and street improvement project program. The project limits are from W. Florida Avenue to W. Florida Avenue. The work shall consist of concrete paving, storm sewer, sanitary sewer, water main, and new concrete driveway aprons and sidewalk.

Utility improvement shall include installation of 610 linear feet of 12-inch to 15-inch diameter storm sewer, 435 linear feet of 8-inch diameter sanitary sewer main, and 1,360 linear feet of 8-inch diameter water main. The project also includes sanitary, water and storm lateral replacement using open cut techniques.

Street improvement shall include 5,200 square yards of concrete street paving, 10,630 square feet of concrete driveway installation with associated sidewalk, 11,980 square feet of 4-inch concrete sidewalk and 2,700 square yards of landscaping of terraces.

## **Carol Lynn Drive**

Carol Lynn Drive is part of the Village's 2020 annual local utility and street improvement project program. The project limits are from E. Lincoln Avenue to E Wisconsin Avenue. The work shall consist of concrete paving, storm sewer, water main, and new concrete driveway aprons and sidewalk.

Utility improvement shall include installation of 1,810 linear feet of 12-inch to 27-inch diameter storm sewer and 1,700 linear feet of 8-inch diameter water main. The project also includes water and storm lateral replacement using open cut techniques.

Street improvement shall include 5,150 square yards of concrete street paving, 620 square yards of asphalt street paving, 11,250 square feet of concrete driveway installation with associated sidewalk, 12,580 square feet of 4-inch concrete sidewalk and 2,720 square yards of landscaping of terraces.

## **Moasis Drive**

Moasis Drive was identified during the Department of Public Works yearly evaluations, as a section that required reconstruction of the existing water main. The project limits are from Freedom Road to Buchanan Road. The work shall consist of concrete paving, water main replacement and new driveway aprons.

Utilities shall include installation of 2,700 linear feet of 6-inch to 12-inch diameter water main. The project also includes water lateral replacement using open cut and pipe bursting techniques.

Street improvement shall include 2,350 square yards of concrete street paving, 350 square yards of asphalt street paving, 240 square yards of concrete driveway installation and 1,920 square yards of landscaping of terraces.

### **Vandenbroek Pond**

A regional storm water detention pond will be constructed in the vacant parcel owned by the Village at the intersection of Vandenbroek Road and Miami Circle. The detention pond will be located west of Vandenbroek Road and approximately 325 feet north of CTH 00. Sections of the storm sewer utility discharging to the detention pond will be enlarged to improve storm sewer capacity.

The proposed regional pond is intended to improve surface water drainage for existing development and provide storm water management for the area. The pond will reduce peak post-development runoff rates for rainfall events in the area; reduce the average annual total suspended solids load in runoff; lower the 100-year peak water surface elevation for the area; and serve as a regional discharge location allowing reconstruction for future streets in the vicinity by providing additional depth to the storm sewer and increasing pipe sizes. It is a requirement by the WDNR for continuous improvement of the storm water quality being discharged to the Fox River until the minimum requirements have been met for sediment and phosphorus removal.