

PROJECT: RELINING
LOCATION: INDIANA

Project Description and Location

Replace 280-foot in 144" culvert crossing, underneath 4-lane major highway in Interstate 65 near Lafayette, Indiana

Project Scope

The highway I-65 connects Chicago to Indianapolis, the traffic is heavy 24/7 and could not be efficiently rerouted. The job was to be done without interrupting the traffic, which meant the culvert had to be slip lined. Plasson USA provided 280 FT of 120" Spirolite pipe.

Project Status

Installed Summer 2019

Project Benefits

Replacement of 280 FT in 144" culvert crossing with 120" HDPE pipe, underneath the 4 lane highway without interrupting the traffic. The smooth inside diameter of HDPE allows for the same equivalent flow as the existing 144" corrugated metal culvert. Because of its light weight and the "Bell and Spigot" connection, the profile pipes couldn't easily be installed, each section being connected to the previous and then pushed into the existing culvert, under live flow.

This highway crosses many streams which are critical for the local farming community and for the local ecosystem.

Project Impacts

The only way to reline the existing culvert and keep the same hydraulic characteristic was using HDPE pipe. As Solid Wall is not manufactured in these diameters, an HDPE Profile wall was chosen, as it has all the superior characteristics of HDPE pipe. Plasson USA provided 280' of 120" Spirolite pipes to a local contractor, and the project has been completed without stopping the traffic, in less than two days.

