WILSON-BURT ROAD BRIDGE OVER HOPKINS CREEK | Newfane, NY

Bridge Replacement Design

As part of the Region 5 Local Design Services Agreement, DiDonato was retained by the Niagara County Department of Public Works (NCDPW) to design the replacement structure for the Wilson-Burt Road Bridge over Hopkins Creek (BIN 3329710 EPN2014). This project proposed the replacement of the existing 24' span concrete slab structure with a new 35' span, three (3) sided frame.

The Scope of work included reconstruction and raising of the existing roadway approximately 6" and the use of a precast concrete frame structure to maximize free board for the design storm. New guide rails will be installed at all four (4) quadrants of the structure. Construction started at the end of the school year in the summer of 2022 and was completed mid-November 2023.

Client:
City of Niagara Falls
Department of Public Works

Client Contact:
Mr. Norman Allen, PE
(716) 439-7250

Completion Dates:
Design: 2021
Construction: 2023

Construction Cost:
$822,536

Key Personnel:
John DiDonato, PE-PIC
James Frick, PE-QA/QC
Jeffrey Blank, PE-PM
James Messana, EIT-Designer
Mary Beth Shanley-CAD
Justin Lucarelli-Civil Designer
Kevin Marracino-CI

Team:
DiDonato – Prime, PM, & Structural Engineering
KHEOPS Architecture, Engineering & Surveying, DPC – Survey
Sienna Environmental Technologies, LLC – Hazardous Materials
Atlantic Testing – Geotechnical Services
Kubit Engineering – CI

Contractor:
CATCO Construction

DiDonato Associates