

County Route 354 over Potter Hollow Road



Client/Owner: Albany County Department of Public Works
Project Location: Potter Hollow, NY

GPI provided design services for the replacement of the CR 354 Bridge over Potter Hollow Creek. The original bridge was a 63-ft, single-span bridge with two 11-ft lanes and two 5-ft sidewalks. The structure consisted of steel beams and a concrete deck at a 15 degree skew. The substructures were concrete gravity abutments grounded on earth. Stream flow concentrates on the beginning abutment and there is some history of washouts behind the wingwalls. The structure was posted for a 17-ton limit. The structure had been assigned a medium hydraulic vulnerability assessment. GPI recommended replacement with a 98' span prestressed concrete box beam units with integral concrete abutments on piles. This improved the stream alignment and increased the bridge to HS25 capacity. The replacement structure was built in two stages due to a very lengthy detour and close proximity to neighboring counties. GPI also performed construction inspection for this project.