ACCELERATED BRIDGE CONSTRUCTION

Bridge NB-355 was replaced with accelerated bridge construction methods using a unique lateral slide procedure during a single 52-hour closure of the Pennsylvania Turnpike by Road-Con Inc. in partnership with its construction engineer, Larson Design Group.

LDG provided construction engineering including designing temporary pile bent support structures for the dual 115-ft. long, one-million-lb. steel girder bridge superstructures. LDG engineers incorporated a concrete anchor block on the abutments that was used to pull the new bridges into their final position using 100-ton rollers under each beam.