Threading the Needle...

PennDOT, District 5-0, Allentown, PA
AECOM, Conshohocken, PA

Bridge Replacement -
Messinger Street (SR 1018) over Martins Creek and Norfolk Southern Railway Company in Bangor, PA

This challenging bridge replacement project involved the replacement of an orphan, ten-span reinforced concrete viaduct carrying SR 1018 (Messinger Street) over Martins Creek and Norfolk Southern Railway Company in Bangor, PA. The new three-span steel multi-beam bridge was designed and constructed to fit between two existing buildings, cross over NS's Bangor Spur Line and Martins Creek, and tie down before two flanking intersections – all within a longitudinal length of 550 feet and width of 50 feet between building faces. This new bridge was literally “threading the needle” of the existing site conditions to provide a new crossing while permitting the continued operations of the railroad and adjoining businesses.