



North East Penn Section
c/o Mr. Robert L. Naugle, Jr., Pennoni
672 North River Street, Suite 313
Plains, PA 18705

March 2025 Meeting

PennDOT's 1st Digitally Delivered Bridge Project

SR 3006 (Milwaukee Road) Section 250 over Gardener Creek

Newton Township, Lackawanna County

- Date & Time:** Tuesday, March 18, 2025
5:30pm – 6:30pm - Social Hour
6:30pm – 7:30pm - Dinner
7:30pm – 8:30pm - Program
- Speaker:** Gerard Babinski, PE, District Bridge Engineer, Engineering District 4-0
Josh Mies, EIT, Associate Engineer, Pennoni Associates
- Place:** Colarusso's La Palazzo - 4500 Birney Avenue, Moosic, PA 18507
- Price:** \$50 per Person (Price Includes Tax and Tip)
\$20 per Person (Government / State Employees)
Engineering Students always welcome and may attend free of charge.
- Reservations:** Register Online at <http://www.nepenn.ashe.pro/registration.php>
Deadline to Register is Thursday, March 13, 2025
Note: If registering multiple attendees, please include their names in the Notes/Remarks section of sign-up
- Meeting Sponsor:** Register Online at <http://www.nepenn.ashe.pro/registration.php>
Meeting sponsors will be announced and recognized at the meeting.
Sponsorship cost is \$100.

For questions regarding online registration or for students, please contact:

Bob Naugle 570-235-2977 rnaugle@pennoni.com
Corey Lewis 570-904-6182 clewis@labellapc.com

Please note: This presentation will qualify for 1 PDH upon completion of the presentation review form. The PDH certificates will be available on our website after the meeting.

nepenn.ashe.pro

Submitted by: Pennoni
Wyoming Valley, PA



PennDOT's **FIRST** Digitally Delivered Bridge Project

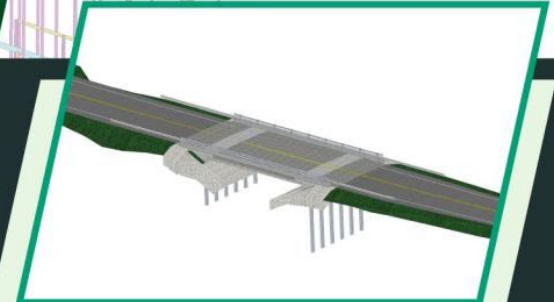
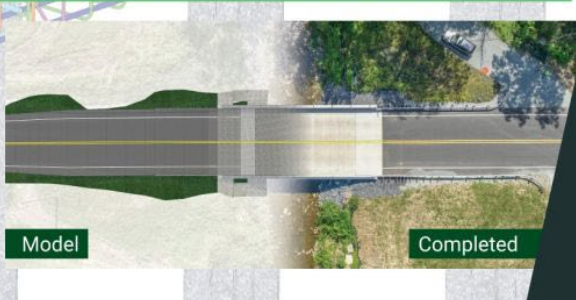
Milwaukee Road over Gardener Creek
Newton Township, Lackawanna County, PA

Pennoni's Milwaukee Road over Gardener Creek (SR 3006 Section 250) project was selected by PennDOT District 4-0 as the first Bridge Authoring Digital Delivery Pilot Project under the Digital Delivery 2025 initiative.

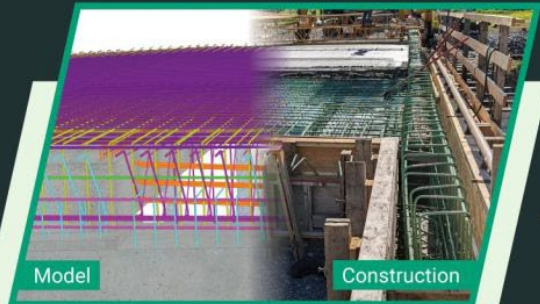


Bridge Authoring Digital Delivery Pilot Project

- ✓ Digital model replaced traditional structure plans
- ✓ Deliverable included 3D views, attributes, and annotated views
- ✓ Modeling standards and procedures developed concurrently with design
- ✓ Model training and guidance provided throughout construction for the contractor and PennDOT inspectors



Model Based Design



Constructed From Model



Completed Project



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Pennoni's Milwaukee Road over Gardener Creek project in District 4-0 is the Pennsylvania Department of Transportation's (PennDOT) first-ever digitally delivered bridge design project. Under PennDOT's Digital Delivery 2025 initiative, this Bridge Authoring Digital Delivery Pilot Project replaced an existing 32-foot steel bridge with a new 52-foot prestressed concrete spread box beam bridge. Using innovative technologies and collaboration, the model was created 100% digitally and set precedents for future digital delivery efforts statewide. The final deliverable included attributes and 3D and annotated views, which is the primary resource for bidding and construction, making the project essentially paper-free. Throughout construction, Pennoni remained actively involved, providing guidance and training on the model deliverables to both PennDOT and the contractor. The bridge was opened to traffic in June 2024, one and a half months ahead of schedule. In January 2025, Pennoni was awarded the 2025 ACEC/PA Diamond Award for Engineering Excellence in Category J – Small Projects.

SAVE THE DATE!

Tuesday, April 8 Dinner Meeting

- **Speaker: Kevin Scheurich, PE – Assistant Chief Engineer – Design – PA Turnpike**
- **Location: King's College, Wilkes-Barre PA**

Tuesday, May 13 Dinner Meeting

- **Speaker: Chris Norris, PE – Deputy Secretary of Highway Administration – PennDOT**
- **Location: TBD**

Thursday, June 26 – ASHE North East Penn Golf Tournament

- **Location: Mountain Valley Golf Course**