



## Description:

On January 28th, 2022 the Fern Hollow Bridge in Pittsburgh PA collapsed. Although there were some injuries, no lives were lost. This critical route is an NHS route with an ADT over 21,000 and is a diversion route for Interstate 376, the main interstate east of Pittsburgh at the Squirrel Hill Tunnels, Western PA's busiest roadway with 100,000+ vpd. Within days after the collapse, PennDOT on behalf of the City of Pittsburgh and FHWA used an emergency declaration to hire HDR to design the replacement bridge and approaches and Swank Construction Company, LLC to construct the project using a design-build process. As design began in February of 2022, it was clear that schedule and budget were critical to implementing the emergency declaration for the project. Within the first few weeks, early design coordination with the agencies, contractor and designer explored various material types and methods of construction and was critical to a selecting the most effective solution to successfully replace this important route. The bridge was reopened to traffic in under 11 months, on December 22nd, 2022 (with site restoration under bridge and other minor activities through summer 2023). This could only be accomplished in such a rapid timeframe by the collaboration that the emergency design-build process provided.

### **PennDOT – Michael Szurley, PE - Senior Project Manager**

Mike is a University of Pittsburgh/Johnstown graduate. Mike is a Senior Bridge Project Manager in the Project Delivery Unit for PennDOT District 11-0. He has been with PennDOT since 2009 serving as a Civil Engineer Trainee, Civil Engineer-Bridge, Project Manager, and Senior Project Manager on a variety of bridge rehabilitation and replacement projects. Mike is responsible for overseeing both in-house design staff and consultant design projects that range in complexity from minor to complex. Notable design projects include the SR 376 A62 Commercial Street Bridge Replacement Project, SR 1038 A01 New Kensington Bridge Preservation Project, SR 4009 A15 Emergency Babcock Blvd. Culvert Replacement, and SR 2001 A17 McKeesport Road Structure Replacement. Mike is the Design Project Manager for PennDOT District 11-0 on the Emergency Fern Hollow Bridge Replacement Project.

### **HDR – Jason Fuller, PE - Senior Project Manager / Vice President**

Jason is a Pennsylvania State University graduate. Jason is a Vice President and Senior Project Manager at HDR and has 30 years of experience managing and designing transportation and construction projects with complex bridges and/or unique delivery processes. Jason served as Design Manager for the Design and Construction portions of PennDOT's Rapid Bridge Replacement Project (P3) that included 558 bridge replacements throughout the Commonwealth. In addition, Jason's recent experience includes being the Project Manager on the I-64 Design-Build Widening near St. Albans, WV (WVDOH's largest D-B) and Project Manager for the Shenandoah River Bridge Design-Build near Charlestown, WV which was the largest Delta frame bridge built in the nation. Jason is HDR's Design Project Manager for the Fern Hollow Bridge Replacement Project.