The M-20 crossing of Schrader Creek

Wednesday, January 14, 2015
16:30 – 17:30, 2355 GG Brown Building

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Abstract: Serving as a MDOT primary route through west-central Michigan, the M-20 crossing of Schrader Creek was prone to flooding and continual settling, requiring frequent closures and maintenance, causing disruption to motorists and the community. The project was selected to be procured as a design build, so as to provide unique engineering process to address the geotechnical challenges of a 40 foot deep deposit of peat and marl, two high head artesian aquifers, and an environmentally sensitive wetlands through which the new bridge was to pass. Each pile of every bent required a unique analysis to determine its safe capacity. The completed project was the winner of the 2013 Partnership Charter Award from the American Council of Engineering Companies – Michigan Chapter.