

## CONSTRUCTION MATERIAL TESTING & INSPECTION

### UNDERPASS BELOW CN RR, MUNSTER, IN

Client: Walsh Construction

Advanced Engineering Services Inc., (AES) provided geotechnical engineering, construction materials testing and inspection services for the 45th Street underpass & realignment project below CN railroad in Munster, IN. The project



included the construction of a shoe-fly (temporary tracks to maintain rail traffic), construction of concrete tunnel, retaining walls (T-Walls) on both sides of the tunnel, a pedestrian bridge for trail, installation of groundwater pumping wells and moving back the CN railroad tracks to its original alignment and paved roadway. The project is being completed as per the guidelines of Indiana Department of Transportation (INDOT).

AES was hired as the QC to provide materials testing and inspection services, like, subgrade proof-roll observation, T-Wall foundation subgrade testing, soil and aggregate backfill compaction, analytical testing of the backfill, observe, record and verify the installation of groundwater pumping wells, etc. We assisted the consultant and contractor to ensure that the project is being completed as per the latest drawings and specifications.