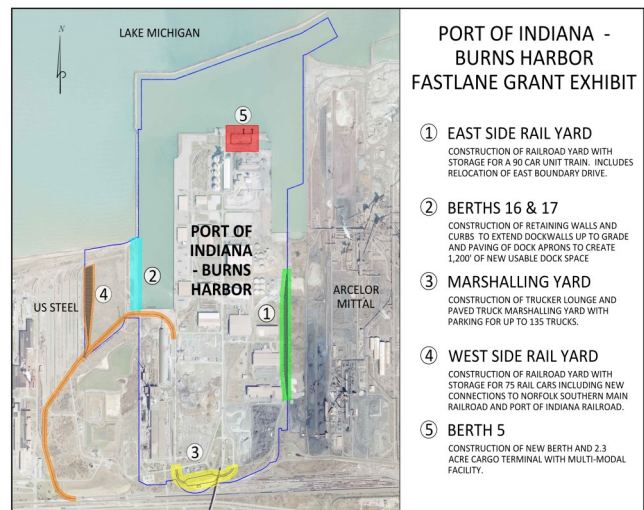


## GEOTECHNICAL, MATERIAL TESTING & INSPECTION

### PORTS OF INDIANA — BURNS HARBOR

Client: Ports of Indiana

Advanced Engineering Services Inc., (AES) is providing geotechnical engineering and construction inspection for various improvements planned at the Ports of Indiana — Burns Harbor in Portage, IN. The scope of the Project includes: (1) Expansion of the east side rail yard and relocation of East Boundary Drive; (2) Berth 16 and Berth 17 dock and apron improvements, (3)



New paved truck marshalling yard, (4) New west side rail yard including an about 5,000 ft of new connector rail; and (5) New bulk transload facility (Berth 5) at the referenced Port. A total of 54 soil borings to 10 ft to 100 ft deep (total 1,742 linear ft of drilling) were completed during the study. This included 2 soil borings, which were conducted from a barge in Lake Michigan for Berth 5. In addition, field infiltration tests were completed at various locations within the Ports to understand the infiltration rates of the near surface soils above groundwater.

AES is selected to provide all materials testing and inspection services for the project. This includes proof-roll of subgrade, recommend stabilization (where necessary), field compaction of soil, aggregate, asphalt, field and lab testing of concrete, etc. We are providing construction inspection by maintaining and updating inventory and work progress. The project is expected to be completed in about 1.5 years.