RECONSTRUCTION AND WIDENING OF PENNSYLVANIA TURNPIKE MP 40 TO MP 48, EASTERN MAINLINE PORTION, MP 44 TO MP 48

HARMAR TOWNSHIP/INDIANA TOWNSHIP, ALLEGHENY COUNTY, PA

McCormick Taylor completed the preliminary engineering and final design for the reconstruction and widening of eight miles of the Pennsylvania Turnpike. With more than 40,000 vehicles traveling this stretch per day, it is one of the busiest sections of the turnpike in the region. The project was complicated by the need to replace six bridges (three of which carried the same roadway, SR 910) over the existing mainline. Replacement of these bridges was completed in advance of the reconstruction and widening of the mainline roadway. The timing was coordinated with PennDOT to minimize the impact of detours.

In addition, the widening required numerous utility relocations that added to the footprint and impact of the project and also required coordination and negotiation with the utility companies and, in several cases, private owners.

Numerous environmental considerations included:

- 26 streams within the project area
- 2,550 linear feet of stream mitigation completed
- 9 hydrology and hydraulics analyses conducted
- 11 wetlands identified within the project limits
- Wetland mitigation completed at 2 sites
- Coordination with the Pennsylvania Fish & Boat Commission revealed 2 Threatened and Endangered Species within Deer Creek, requiring seasonal in-stream restrictions
- United States Fish and Wildlife Service confirmed the project was within the range of the Indiana Bat, restricting timber-cutting to October 1 through March 31
- Phase III Environmental Site Assessment yielded 4 properties of concern and 5 coal refuse areas

Client:
Pennsylvania Turnpike Commission
Harrisburg, PA

Entering Firm:
McCormick Taylor, Inc.
Harrisburg, PA