

SMOKETOWN ROAD (SR 1029) OVER SACONY CREEK BRIDGE PROJECT ROCKLAND TOWNSHIP, BERKS COUNTY



Existing Conditions:

- Previous bridge settled due to severe scour at the north abutment
- Contraction scour resulted from former bridge location
- Floodwaters are not able to enter floodplain to dissipate energy due to elevated roadway
- Sharp curvature of the creek results in increased shear stress and bank erosion



Purpose:

- Provide safe and efficient crossing meeting current design standards
- Restore and realign Sacony Creek through the project site to improve alignment with the bridge; increase floodplain connectivity, reduce shear stress at bridge, stabilize streambed elevations