



# TUSCARORA TUNNEL PROJECT UPDATE

## JANUARY 2024

Work is complete in the westbound tunnel. Weekly closures for either tunnel have ended as of January 18, 2024. Over the past few months, the contractor completed placement of new horizontal drainage on top of the existing barrier along each wall, all tile replacements, concrete crack injection repairs, a new tunnel lighting system, new life safety systems including CCTV (closed circuit television) cameras, carbon monoxide monitors, fire alarms, safety signs and new dynamic message signs at both ends.

Within the portal building new axial fans have been installed and are being activated in combination with new Saccardo nozzles that provide a more efficient ventilation system in the tunnels. The SCADA (Supervisory Control and Data Acquisition) system is running throughout the tunnel and the new safety systems are wired into the system. At the east end of the tunnels the old brick façade has been removed and replaced with a more maintenance free system and both ends have a new color scheme.

In early fall 2023, full depth reconstruction of the east and west end approaches to the westbound tunnel was complete and the tunnel was milled and paved with new pavement markings applied. Existing concrete polymer barrier covers were also removed and replaced.

In late 2023 tunnel closures were switched back to the eastbound tunnel and temporary bi-directional lighting controls were removed, the AI (Artificial Intelligence) component of the CCTV cameras can be incorporated into the SCADA system, and bi-tunnel testing and commissioning of the full SCADA system occurred.

In spring of 2024, work is expected to be completed in the east and west portal buildings. Among the activities being completed are new generator installations, new Uninterrupted Power Supply (UPS) installations, new coatings on portal buildings floors and final testing on tunnel computer and data systems.