

## SR 2020 – Tyburn Road 10-year update

**Date:** 2013

**Location:** Philadelphia, PA

**Advantage:**

Reduced Cracking & Rutting,  
Reduced Lifecycle Costs



2023

### Technical Specifications

**Fiber Reinforcement:** FORTA-FI<sup>®</sup>

**Tonnage:** 43,000

**Thickness:** 11"

**Existing Distresses:** High Volume Roadway



2013

This Tyburn Road project was **full depth replacement of existing composite pavement** which carries ADT of 18,799 with 5-27% truck traffic. The base course used consisted of PG 64-22, 25mm, 6" depth, HMA, 30 million ESAL SUPERPAVE mix, with PG76-22, 19mm, 3" depth HMA intermediate course, 30 million ESAL SUPERPAVE mix. The wearing course, placed in the summer of 2014, utilizes a PG76- 22, 2" Depth, 9.5mm, SRL E, 30+ ESAL SUPERPAVE mix. This section of road services a landfill and multimodal facility with considerable truck traffic.

#### UPDATE

**After 10 years**, this high-volume roadway looks great with **minimal cracking**. Over the years very little crack seal was used throughout. The **fiber side of the road held up noticeably better than the control side**, especially in control sections consisting of large potholes.

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