

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[®]

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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