

Fall 2013

Asphalt is really the long-lived pavement.

after 18 years in service.

a local contractor, the Maryland Asphalt Association, National Asphalt Pavement Association (NAPA), and Asphalt Institute (AI) tackled

the problem. The answer was the then-new design system known as

Superpave. A 25-mm base and a 19-mm surface featuring a PG 76-22 asphalt cement was the solution. Fifteen thousand sq. yds. of old pavement were milled down to the original Portland cement concrete (PCC) and replaced with about 5,000 tons of Superpave of varying depths up to eight inches in only eight nights with traffic through the intersection and to all businesses being maintained at all times.

featuring PG 76-22 asphalt. That operation was completed very quickly and with minimal user delays.

The U.S. 40 and MD 213 intersection is showing its age 18 years later (pictured on page 16), but the asphalt still functions well.

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Simultaneously the same challenge that was given to the asphalt

industry was given to the concrete industry at the U.S. 40 and Landing Road intersection just south of the MD 213 intersection. Their project was 1,800 sq. yds. Six inches of PCC replaced the asphalt roadway. The PCC industry worked for 12 days with round-the-clock lane closures to repair the intersection. The PCC operations took twice the time to complete even though only one-eighth of the area was included in the project.

Six years later, more than 75 percent of the concrete slabs were heavily cracked and the SHA had them removed. This fractured PCC pavement was replaced with a 12.5 mm Superpave blend



