

Question:

The cross section on page 8 shows guardrail in 8" HMA for Stations 440+37 – 441+93 LT, and Stations 440+17 – 441+10 RT.

Is all of the guardrail to be installed into HMA?

The remaining cross sections on pages 8 & 9 do not illustrate the guardrail and the plans do not clearly identify if the guardrail will be positioned in an aggregate or HMA / WMA shoulder. The cross sections on pages 31 – 62 show the guardrail, but it is unclear of the surface into which the guardrail is being installed.

Answer:

All of the guardrail will be installed into HMA and/or other pavement/shoulder materials.

Some of the rail will be installed through existing PCC pavement (overlain by HMA). See left side of cross sections 457+00 through 467+00 and 472+00. Existing PCC pavement is most likely the old 9"-6"-9" built in the 1920's

Some of the rail will be installed into very thick HMA. See cross sections 468+00 through 471+00 and 476+00 through 479+00.

Some rail will be installed through HMA on top of 8" thick PCC widening. See cross sections for the right side of 461+00 through 463+00 and 480+00.

Where posts are installed into any material other than 8" HMA shoulder, they may be 56" long. See sheet 4 of Standard 630001.