



## Planning & Research Problem Statement

## Materials

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**Problem Title :** Investigate the use of alternate materials (instead of HMAC) for non-erodible base courses underneath concrete pavements

**Problem Statement:**

HMAC is specified by default as a non-erodible base for concrete pavements and may prove to be an unnecessary expense if other materials will suffice. The policy requiring HMAC likely came about due to the faulting of undoweled plain jointed concrete pavement designs placed on top of fine-grained materials susceptible to pumping or fine aggregate bituminous bases that may have experienced AC stripping do to movement at the joints. Now that ODOT includes dowels in all jointed designs, evaluate whether HMAC is still the best base.

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