

## **Developments in rapid set lean concrete subbase**

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### **ABSTRACT**

The technology and practice for single shift high strength concrete base replacement, mainly at night, with rapid set concrete using calcium sulfoaluminate cement has been established in Australia for ten years. This technology has now been extended to developing a rapid set lean concrete and related registered mixes. This material is being used in removing and replacing existing granular and asphalt surfaced pavements as a subbase for either overlying deep asphalt or concrete. This paper describes the development, laboratory testing, registering of mixes of this material, its role in replacement pavements, and related field practice and site coordination in single shift operations.