FOR GOOD ROADS: COUNT ON CONCRETE

Taxiway Kilo & Victor Reconstruction

Project Summary

The scope of work in this taxiway reconstruction project included the full depth removal of concrete and asphalt pavement on parallel and connecting taxiways, and replacement with a total of over 24,000 square yards of 18 inch of PCC pavement, with a 6 inch open-graded permeable concrete base course, and 8 inches of crushed aggregate subbase, on 6 inches of compacted subgrade. The majority of work was accomplished using slip-form payers. The finished PCC pavement surface was placed on a solid, stabilized base course composed of permeable concrete, which provided an exceptional working platform for concrete paving. With an average flexural strength of 950 psi, the contractor produced exceptionally high quality concrete pavement for the entire 20,000 square yards of taxiway included in this project. The FAA specification required the contractor to conduct a full quality control program, to compliment the airport's quality assurance inspection and testing. The QC plan called for continuous monitoring of concrete slump and air content, and fine and course aggregate gradation.

Owner	**The Boeing Co.** **Lambert - St. Louis International Airport**
Engineers	**CRD & Associates**
General Contractor	**McCathy**
Paving Contractor	**Millstone Bangert, Inc.**
Ready Mix Supplier	**Millstone Bangert, Inc.** **Page Avenue Plant**
QC / QA Firm	**CRD & Associates**

Size: 24,000 sq. yds.
18 inches of PCC pavement
6 inch open graded permeable concrete base course
8 inches of crushed aggregate subbase
6 inches of compacted subgrade

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