State of California
Department of Transportation

CONCRETE PAVEMENT GUIDE

Caltrans

Division of Maintenance
Pavement Program
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January 2015

DISCLAIMER

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PREFACE

The Concrete Pavement Guide (CPG) provides a comprehensive overview of current new construction-reconstruction, preservation, and rehabilitation strategies used by the Department for concrete pavement. The information in this guide applies to all concrete pavement and composite pavement that was not previously cracked and seated. Some of these topics were previously addressed in the Maintenance Technical Advisory Guide (MTAG).

The CPG reflects updated Caltrans concrete pavement practices, including effectiveness and limitations; strategy and materials selection; design issues; and implementation of the revised 2010 construction contract standard plans, specifications, and bid items for individual pavement strategies. The CPG assists district design, maintenance, and materials personnel with concrete pavement project delivery by supplementing the information and design standards contained in Highway Design Manual (HDM) Chapters 600-670.

Some relevant concrete pavement construction information is included in the CPG, but the Construction Manual should be referenced for more comprehensive information about specific construction procedures.

The Concrete Pavement Guide is divided into 19 topical chapters organized into 4 parts: Part 1 provides general information and an overview of concrete pavement strategies and evaluation; Part 2 covers new concrete pavement and reconstruction strategies; Part 3 preservation strategies; and Part 4 rehabilitation strategies. Some chapters are reserved for future development.

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