

9.5.2—Service Limit States

Replace the 1st paragraph with the following:

At service limit states, decks and deck systems shall be analyzed as fully elastic structures and shall be designed and detailed to satisfy the provisions of Sections 5, 6, 7, and 8. Deck slabs shall be designed for Class 2 exposure condition as specified in Article 5.6.7.

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Replace article and title with the following:

9.7.1.1—Minimum Thickness and Cover

Unless approved by the Owner, the minimum thickness of a concrete deck, excluding any provision for grinding, grooving, and sacrificial surface, shall conform to the deck design standards developed by Caltrans.

Deck reinforcement to be used in conjunction with the minimum deck thickness should also conform to the deck design standards developed by the Owner.

Minimum cover shall be in accordance with the provisions of Article 5.10.1.

C9.7.1.1

Replace the 3rd paragraph with the following:

The combinations of minimum concrete cover, concrete mix design and the need for protective coatings on reinforcement described in Article 5.10.1 are based on the results of monitoring bridges in California.

9.7.1.4—Edge Support

Replace the 2nd paragraph with the following:

Where the primary direction of the deck is transverse, no additional edge beam need be provided

9.7.2.2—Application

Replace the 1st paragraph with the following:

Empirical design of reinforced concrete decks and overhangs shall not be used.

Delete the 2nd paragraph

C9.7.2.2

Add a new 1st paragraph as follows:

The durability of empirically designed decks has not yet been proven in high ADTT applications.

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