

Design Engineer Administrator.

Combination of straight and draped strand pattern may be utilized in order to satisfy the allowable stresses at release. If debonding is deemed necessary and approved, then the criteria of A5.11.4.3 shall apply.

5.12–DURABILITY

5.12.1–General

The following shall supplement A5.12.1.

LADOTD's strategy to provide durability for concrete structures consists of a combination of methods: utilizing high performance concrete with permeability/surface resistivity requirements for all structural concrete elements, providing minimum concrete covers, controlling crack width by distribution of reinforcement, specifying water curing procedures in *Standard Specifications*, and providing protective measures and details as specified in A2.5.2.1 and D2.5.2.1.

5.12.3– Concrete Cover

The following shall replace A5.12.3.

Concrete Cover for unprotected prestressing and reinforcing steel, which is defined as the distance from the edge of concrete to edge of the nearest reinforcement, shall not be less than that specified in the table below:

Concrete Cover Table

Application	Cover (inches)
All superstructure components unless otherwise specified	2
All substructure components unless otherwise specified	3
Deck / Slab Span / Approach Slab top surfaces for fixed bridges	2.5
Deck top surfaces for movable bridges	1.5
Deck bottom surfaces	1.5
Approach Slab bottom surfaces	2
Barrier Railing, Risers, and Diaphragms	1.5
Top flange and web of precast prestressed girders	1.5
All internal surfaces	1.5
Drilled Shafts greater than or equal to 30" in diameter	6
Drilled Shafts less than 30" in diameter	3
Surfaces cast against earth (excluding Approach Slabs)	4
Concrete Roadway Median Barrier	2