



**Spans on Curve**

### 5.13.4—Concrete Piles

#### 5.13.4.4—Precast Prestressed Piles

The following shall supplement A5.13.4.4.

Refer to LADOTD Bridge Design Special Details for precast prestressed concrete pile details.

### 5.14—PROVISIONS FOR STRUCTURE TYPES

#### 5.14.1—Beams and Girders

##### 5.14.1.2—Precast Beams

The following shall supplement A5.14.1.2.

AASHTO Type II, III, IV, BT-72, BT-78, and Quad Beam are the standard shapes of prestressed concrete girders. Louisiana Girder Shapes LG-25, LG-36, LG-45, LG-54, LG-63, LG-72, and LG-78 are allowed with the approval of the Bridge Design Engineer Administrator. AASHTO Type I and Type IV Modified girders are not allowed.

Value engineering proposals to change LG girders to other girder types are not allowed.

PPC girders maximum span lengths along with the associated maximum prestressing forces immediately prior to transfer are shown in the Girder Maximum Span Length Table.

Girder spacing within a bridge cross-section shall be equal where practical.

The girder types and strand patterns shall be minimized within a project to simplify fabrication. Girders with similar length and loads shall use the same girder type and strand pattern. Refer to D2.5.2.7.1 for requirements on exterior girder

##### C5.14.1.2

The following shall supplement AC5.14.1.2.

Refer to Part III, Chapter 1 "LG Girder Preliminary Design Charts" for design and detail aids on Louisiana Girders.