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# Livestock Passes

**Design Manual**  
**Chapter 4**  
**Drainage**

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This section discusses design and repair or removal of livestock passes. Refer to Policy No. 610.06 of the Policy and Procedures Manual (PPM) for approving requests for construction of livestock passes, approving requests to use existing structures for livestock passes, and maintenance and repair of livestock passes. Typically, requests to construct a livestock pass or use an existing structure for a livestock pass will be handled by the Districts.

## Design of Livestock Passes

Livestock passes can be placed under multilane highways; however, they are not to be placed under interstate highways. An important design consideration is that livestock should be able to see all the way through a livestock pass. Long passes or passes placed at a steep slope or skew must be checked by the designer to ensure they meet this condition. Designers should avoid placing bends in livestock passes, as these will hinder the ability for livestock to see all the way through.

In some cases livestock passes also serve the purpose of drainage. In these cases, designers must ensure the pass is adequately designed to handle drainage as well as livestock.

For new livestock passes, a 6 foot by 7 foot precast box culvert is used. Refer to PRCB 6-13 of the [Single Precast Reinforced Concrete Box Culvert Standards](#).

When extending an existing livestock pass, use Design Detail [510-4](#).

Whether installing a new livestock pass, extending an existing livestock pass, or considering an existing structure for use as a livestock pass, designers should follow the same guideline: ensure livestock can see all the way through.

## Repair or Removal of Livestock Passes

For repair or removal of livestock passes, refer to [Policy No. 610.06](#) of the Policy and Procedures Manual.

# Chronology of Changes to Design Manual Section:

## 004B-002 Livestock Passes

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|-----------|---|
| 1/22/2015 | Revised<br>Add in information designers are to use a 6'x7' precast box for new stock passes and include Detail 510-4 (the old RF-8) for extensions. |
| 1/29/2010 | Previously Updated.   |