

Design Standards Letter

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Section/Plan No.: None

Subject: Pipe Culverts and Box Culverts

Body

ALL DIVISION AND DISTRICT ENGINEERS

The current design requirements for selection of drainage structures for roads with 400 or more ADT, as set out in paragraph 11.10.2.2 of the Design Manual, are revised to read "box structures are used for structures larger than 66-inch diameter where end sections are required. Where pipe end sections are not required, pipes larger than 66-inch may be used if a pipe structure is more economical".

Smaller box structures may be used when extending existing structures to be used in place or where required by hydraulic factors (shape of existing channels, headwater elevations, etc.).

The recent adoption of end sections to replace cast-in-place headwalls and changing economics have made it practical to raise this size limit.

Drawing 730.00 is being revised to include up through 66-inch size end sections and will be issued in the near future, along with the necessary Design Manual revisions.

This revision is applicable for future designs. Current plans shall not be changed if additional work is required.

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Surveys and Plans