

SECTION 12: BURIED STRUCTURES AND TUNNEL LINERS**TABLE OF CONTENTS**

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12.1 SCOPE

This Section contains guidelines to supplement provisions of Section 12 of the AASHTO LRFD Bridge Design Specifications for the analysis and design of buried structures, including but not limited to, precast and cast-in-place concrete box culverts, arches, and pipes.

Cast-in-place and precast concrete box culverts shall be selected according to the applicable Bridge Group Structure Details Series 6.01-6.11 and 6.20 drawings and design criteria. Designs not meeting the standard sizes, loadings, or conditions provided in the SD drawings require a site-specific design.

For the selection of reinforced concrete pipe headwalls, corrugated metal pipe headwalls, and outlet paving, refer to the Bridge Group Structural Details Series 6.30 drawings.

12.6 GENERAL DESIGN FEATURES**12.6.6 Soil Envelope**

Structures that are designed based on soil-structure interaction principles shall be approved by ADOT Bridge Group prior to being accepted to be used to span over roadways.