EL PASO COUNTY LORSON BOULEVARD BRIDGE OVER JIMMY CAMP CREEK

LORSON RANCH DEVELOPMENT



PREPARED BY:



LORIS AND ASSOCIATES INC.

100 SUPERIOR PLAZA WAY SUITE 220 SUPERIOR, CO 80027 (303) 444-2073

typo?

Layout Recommendations

Depth of Riprap below Streambed: 99.75 ft

Design thickness of riprap below streambed is greatest of Contraction Scour Depth (includes Long-Term Degradation, if applicable), Bed Form Depth, or 3x Design D50

Minimum Riprap Extent: 6 ft Filter Placement Extent: 4 ft See HEC 23, Figure 11.15

No channel used in calculations

Layout Recommendations

Minimum Riprap Thickness: 510 in

Minimum Horizontal Extent of the Toe Apron from the Abutment Toe: 16.9 ft

Minimum Extent of "Wrap Around" beyond the Abutment Radius, along the Approach

Embankment: 25 ft

See HEC 23, Figure 14.7

No channel used in calculations





typo?

Layout Recommendations

Minimum Riprap Thickness: 510 in

Minimum Horizontal Extent of the Toe Apron from the Abutment Toe: 16.9 ft

Minimum Extent of "Wrap Around" beyond the Abutment Radius, along the Approach

Embankment: 25 ft

See HEC 23, Figure 14.7

No channel used in calculations