

Bridge Design Memorandum

To: Bridge Design
From: NJA/mrd
Date: 2/11/2013
Re: Spill-Through Slopes & Fill Heights

As per NJA and JMW, hydraulic crossings shall have a rip-rapped 2:1 spill-through slope. Grade separations and railroad crossings shall have paved 3:1 spill-through slopes.

Railroad crossings and grade separations are frequently constructed on large fills. A 3:1 slope is preferred to a 2:1 due to stability issues in large amounts of fill material.

When fill heights at bridge sites are thirty feet or greater, lengthening the bridge or benching the slopes shall be considered.