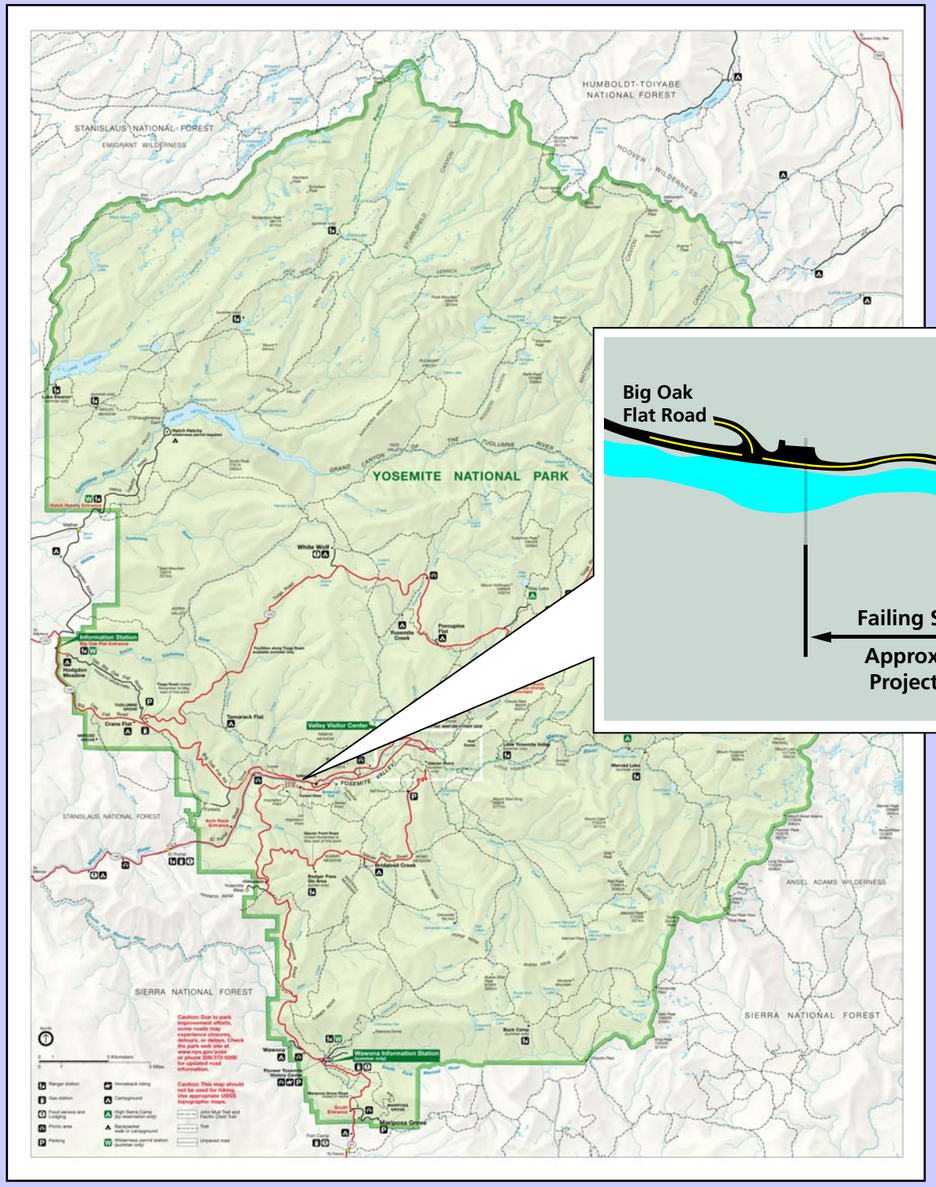
Project Overview

Reconstruction of Failing Section of El Portal Road East of the Big Oak Flat Intersection

National Park Service
U.S. Department of the Interior



Failing Section

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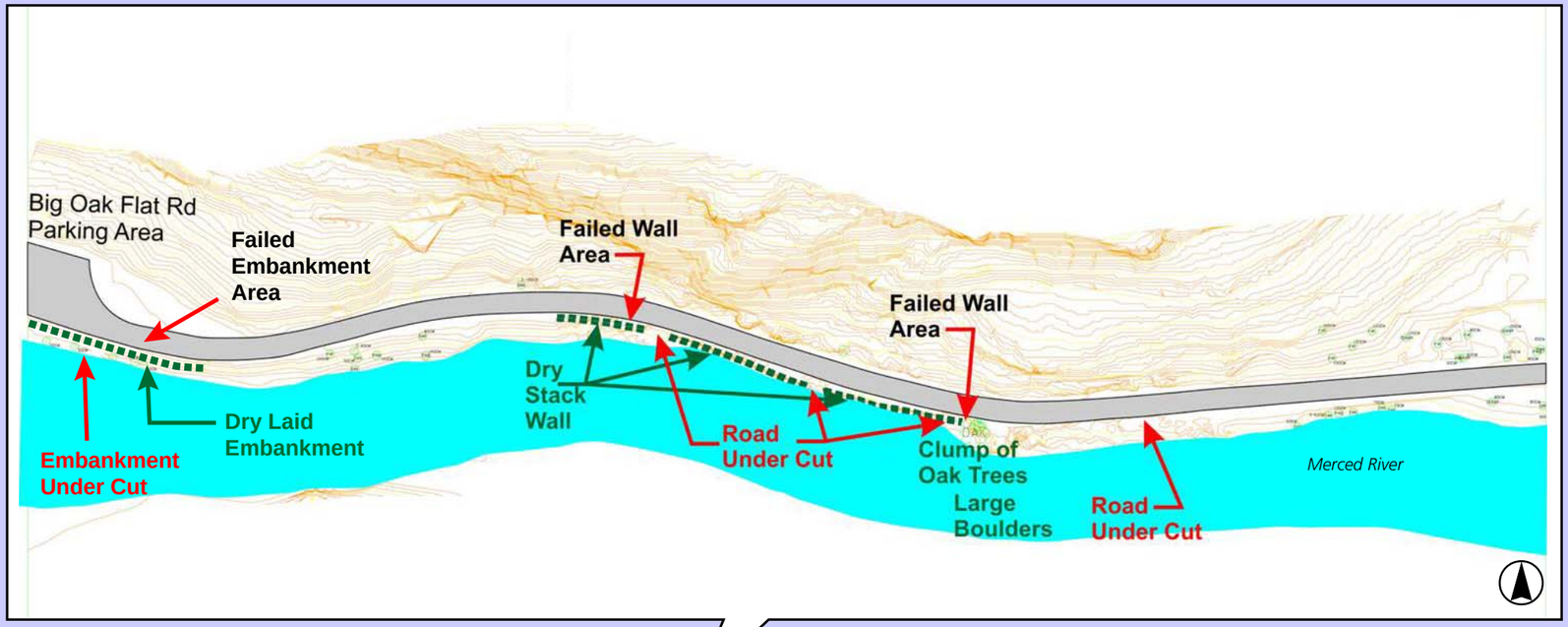

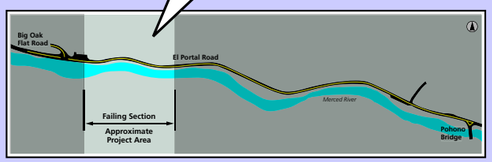

Dry Stack Wall at Failing Section (Concrete Barrier)

Undercut at Failing Section

This failing section received temporary repairs in 2003

Undercut Concrete Barrier at Failing Section

Three of four entrances access Yosemite Valley through this section

Potential Solutions

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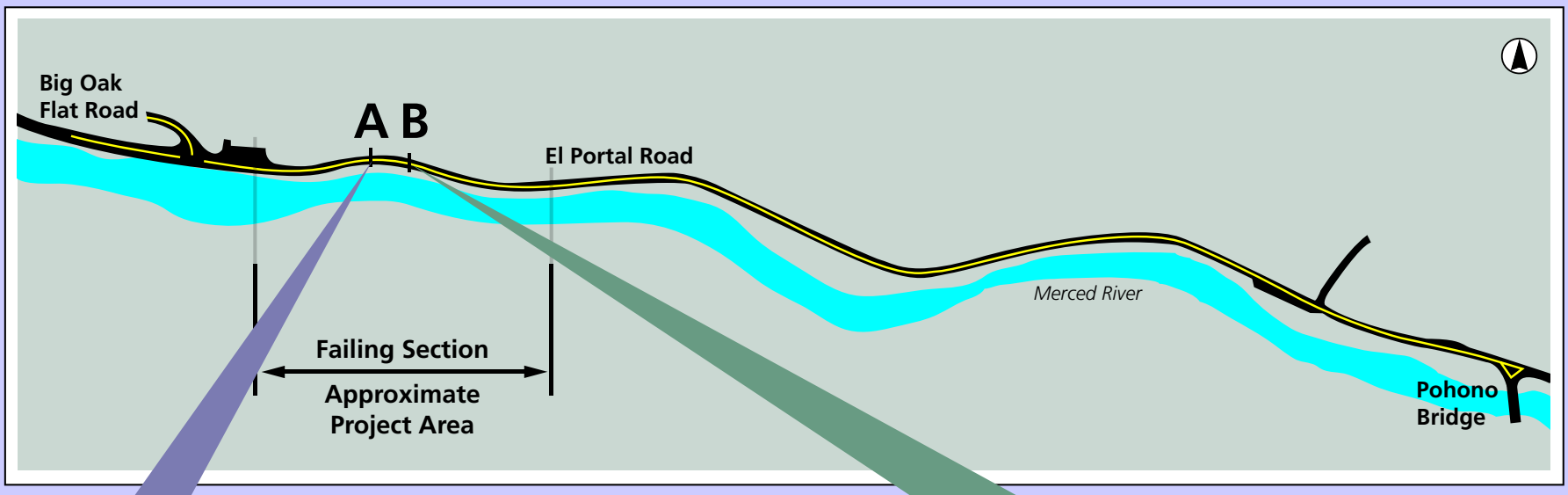
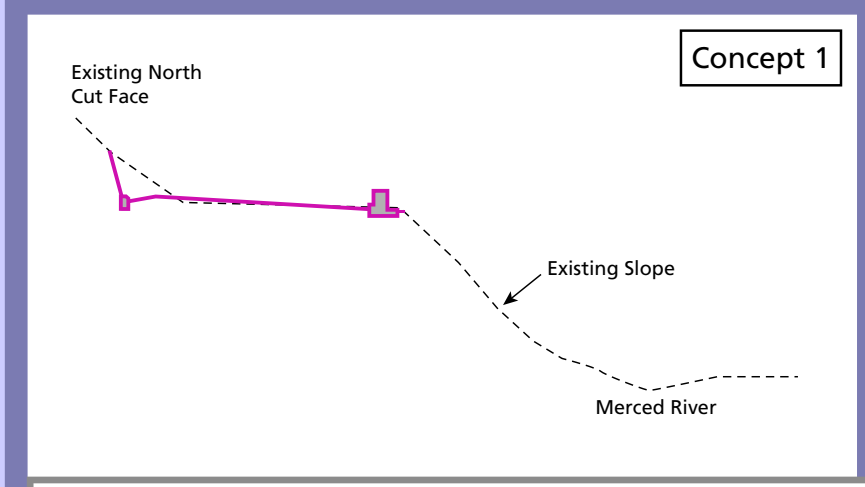
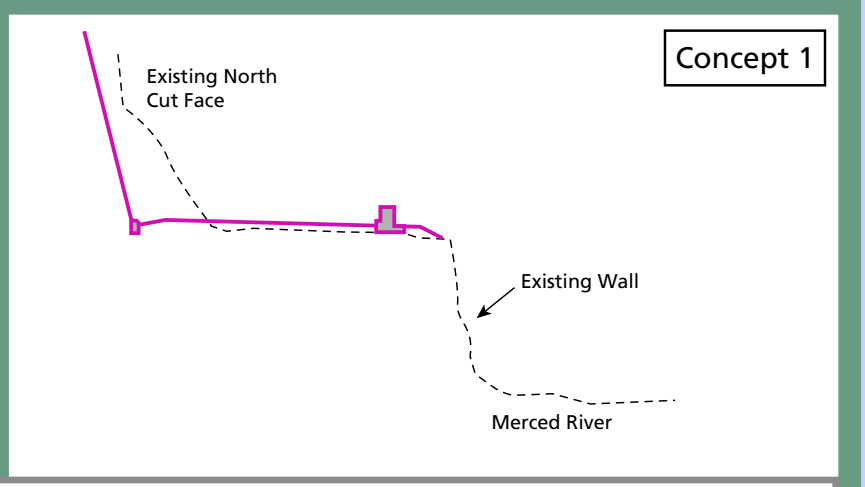


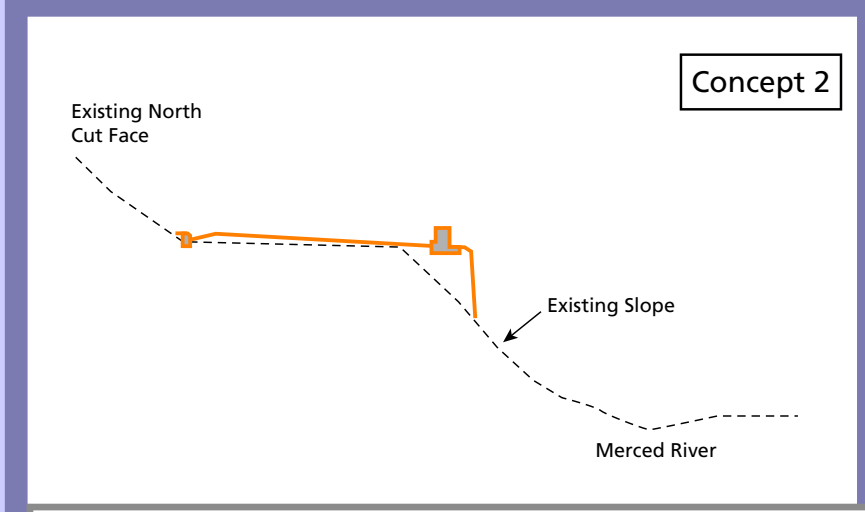
Location A

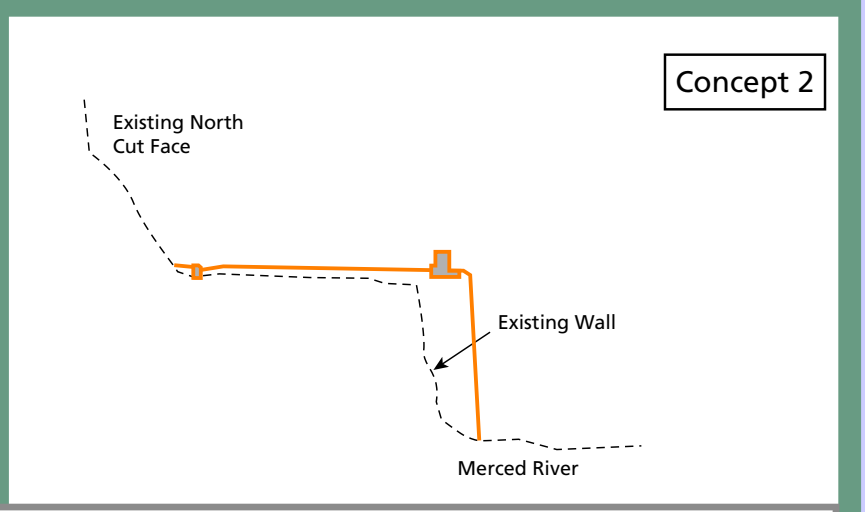


Location B



Concept 1: River Edge of Pavement
This concept holds the existing edge of pavement adjacent to the Merced River and constructs improvements to the north, cutting into the existing cut face.





Concept 2: Cut Wall Edge of Pavement
This concept holds the existing edge of pavement adjacent to the existing cut face, and constructs improvements towards the Merced River.

Note: Graphics based on 11 foot travel lanes per Park Road Standards (1984)

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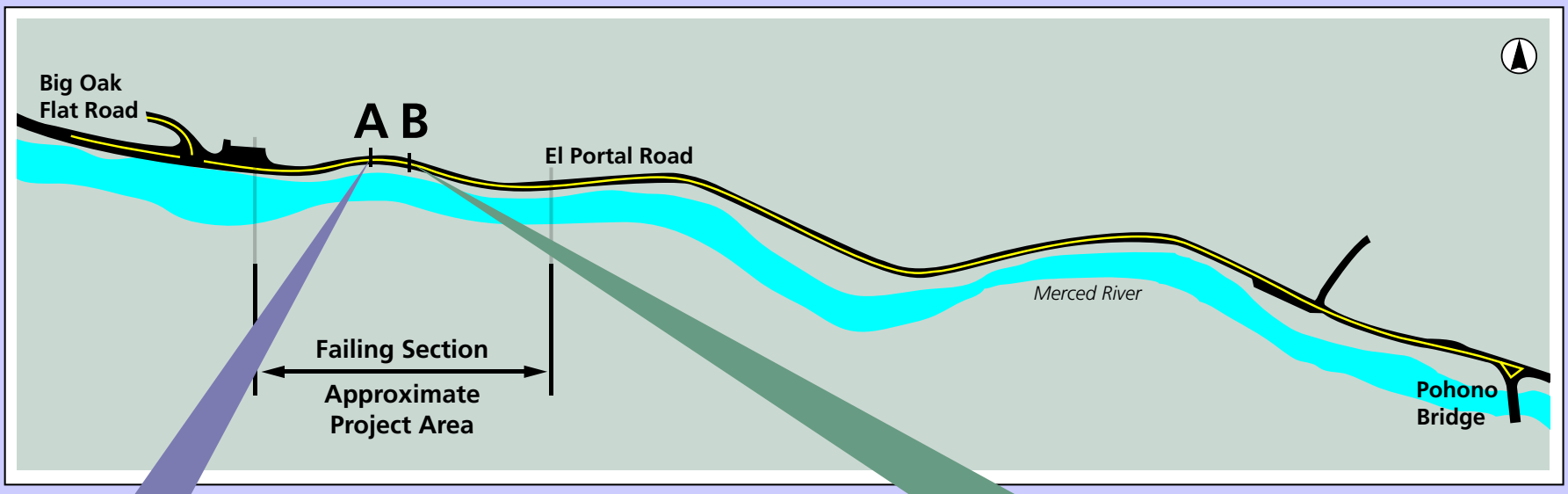
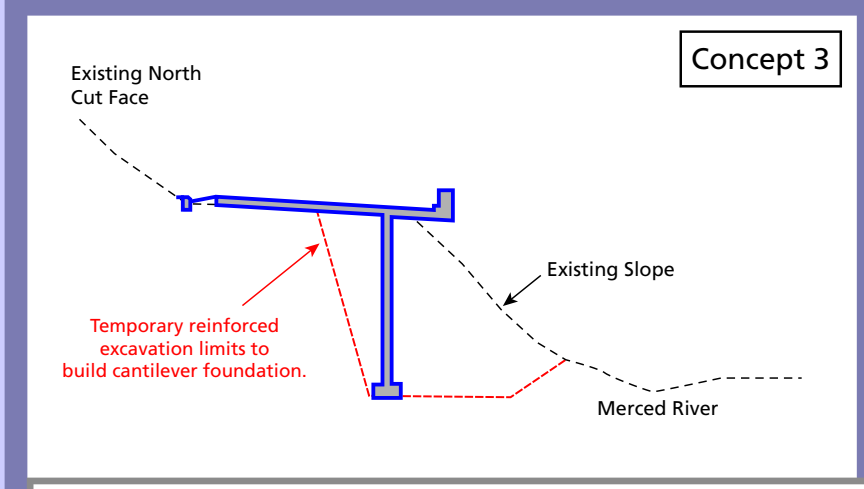
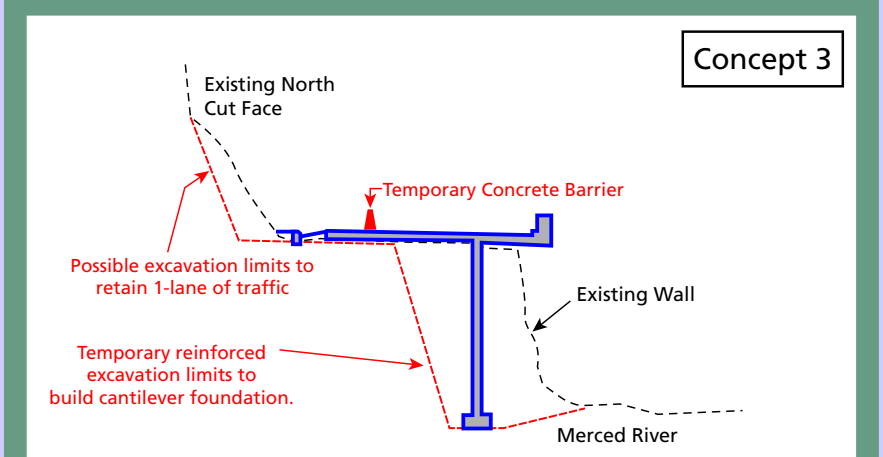


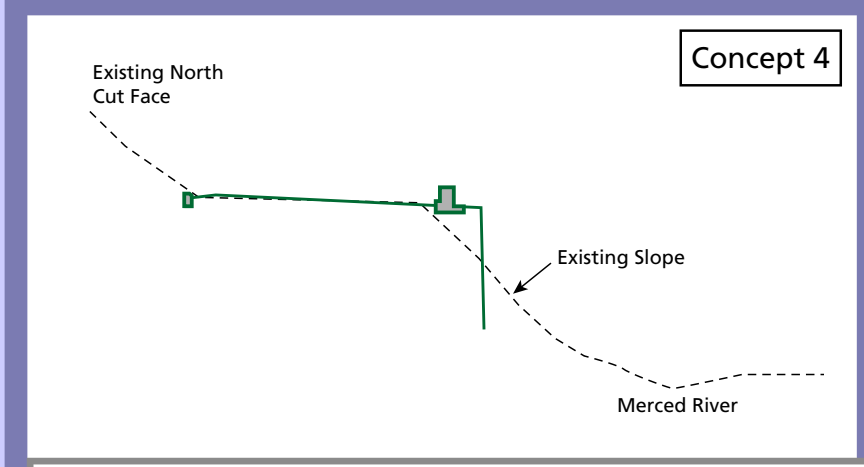
Location A

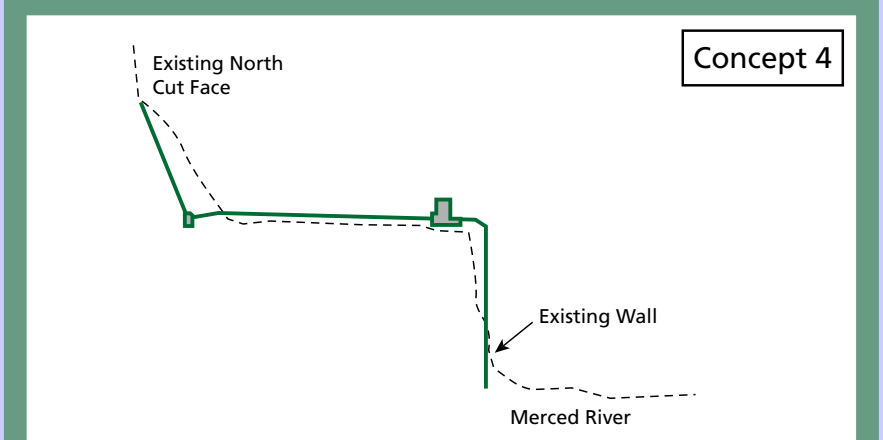


Location B



Concept 3: Cantilever Wall
This concept holds the existing edge of pavement adjacent to the existing cut face. The outside of the roadway is supported by a cantilever bridge section, supporting a portion of the roadway over the Merced River.





Concept 4: Base of Existing Slope/Wall
This concept holds to the base of the existing slope or wall and minimizes cuts into the existing cut wall where possible.

Note: Graphics based on 11 foot travel lanes per Park Road Standards (1984)