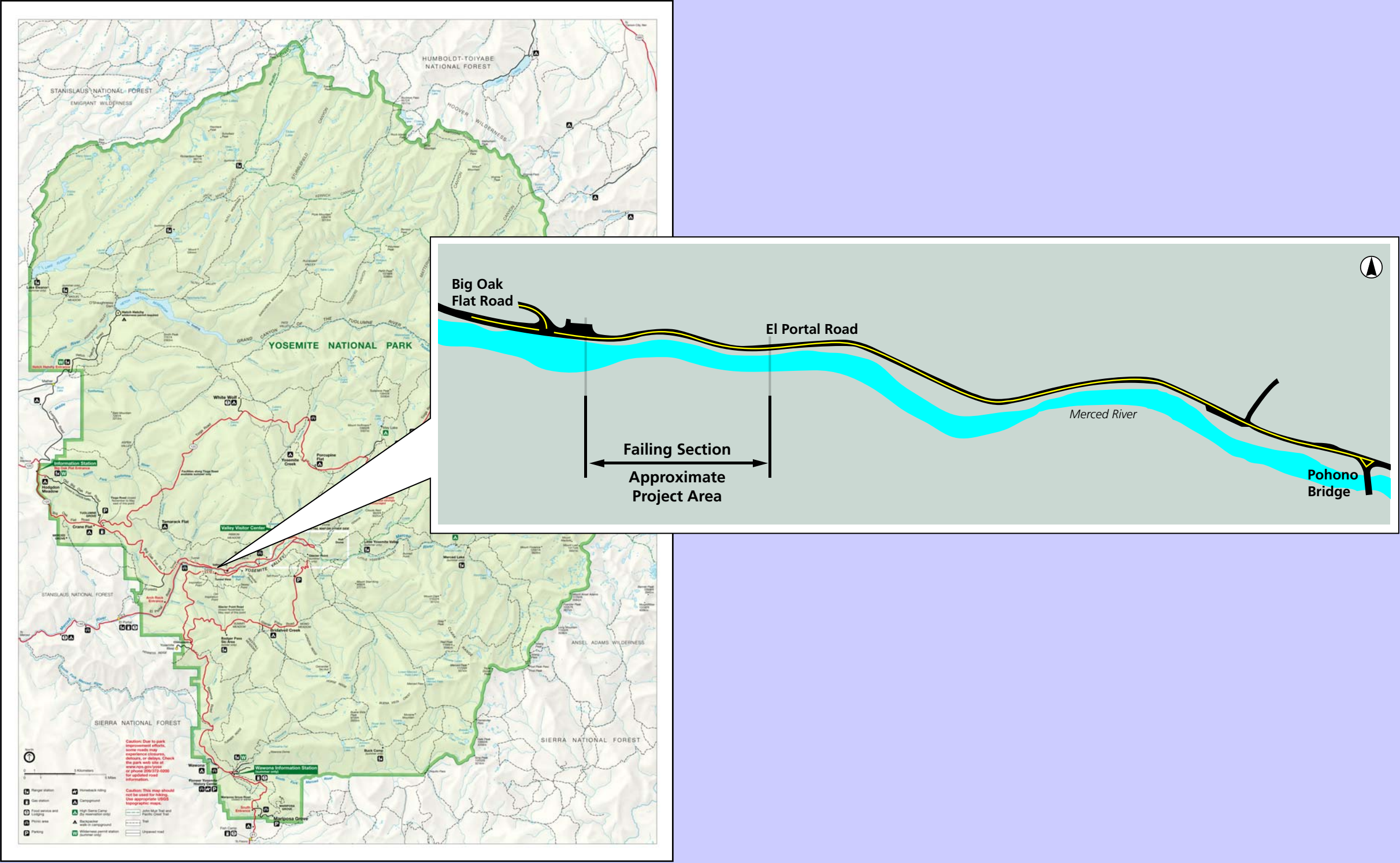


# Project Overview

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

National Park Service  
U.S. Department of the Interior

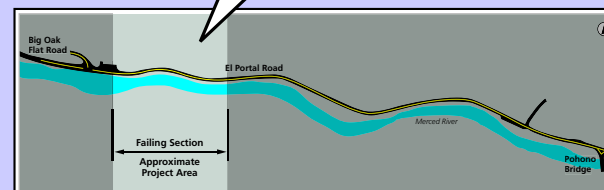
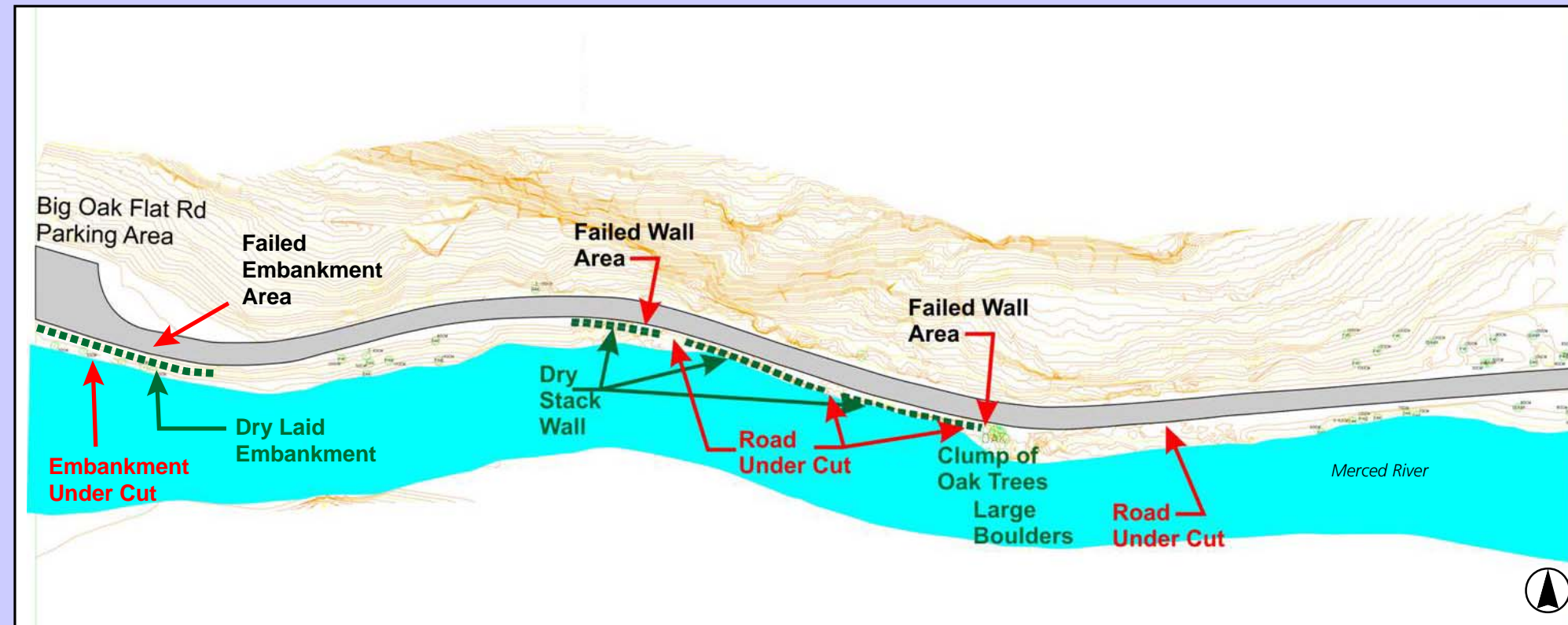




# Failing Section

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

National Park Service  
U.S. Department of the Interior



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

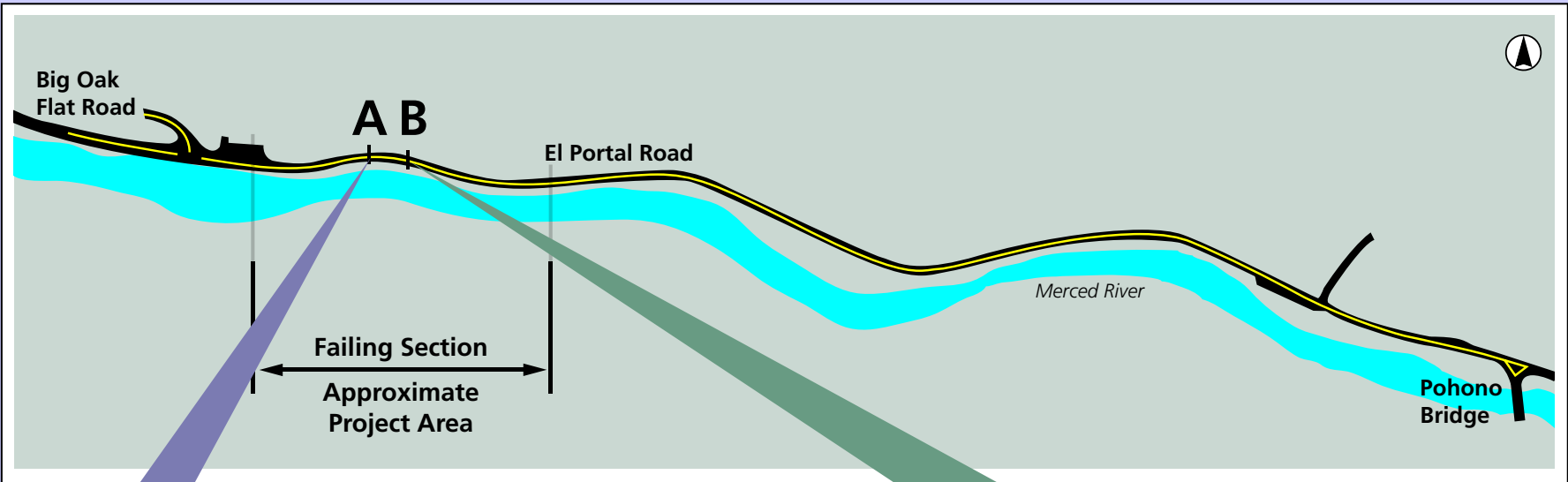


Three of four entrances access  
Yosemite Valley through this section

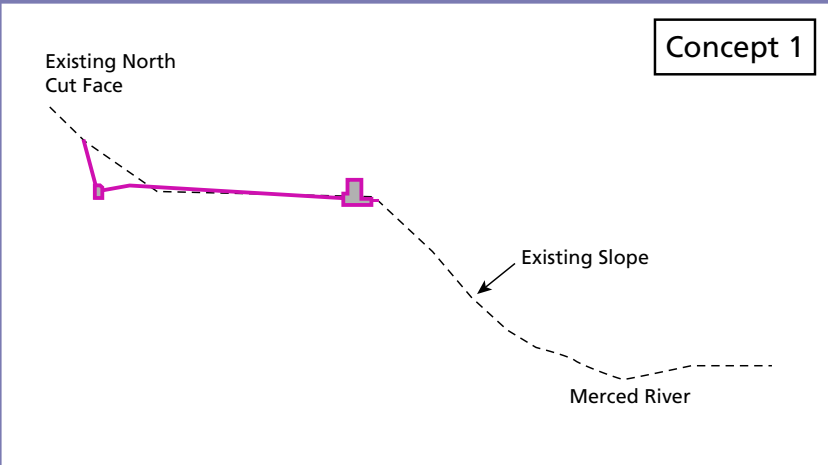
# Potential Solutions

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

National Park Service  
U.S. Department of the Interior

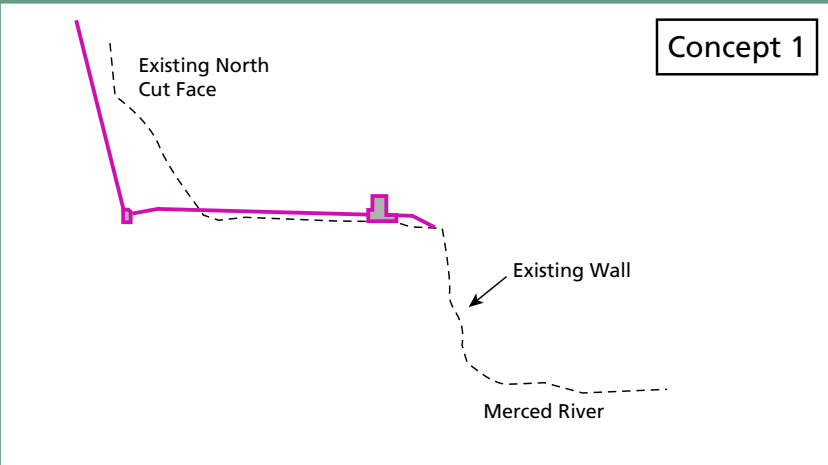


### Location A



Concept 1

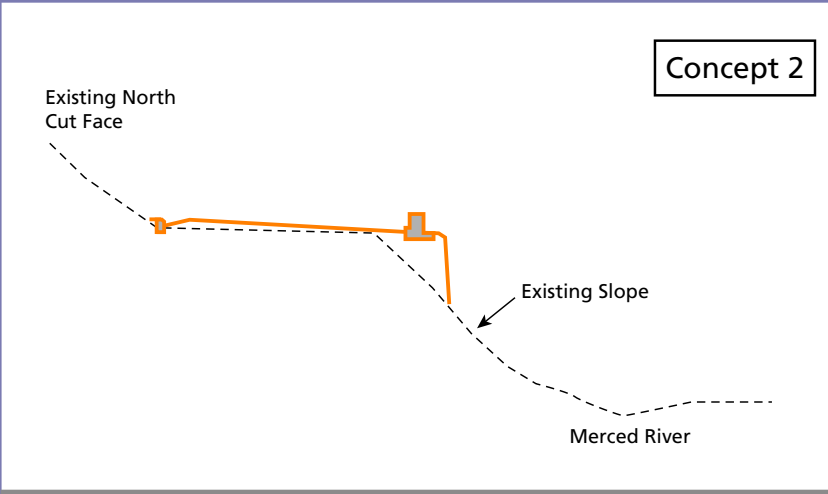
### Location B



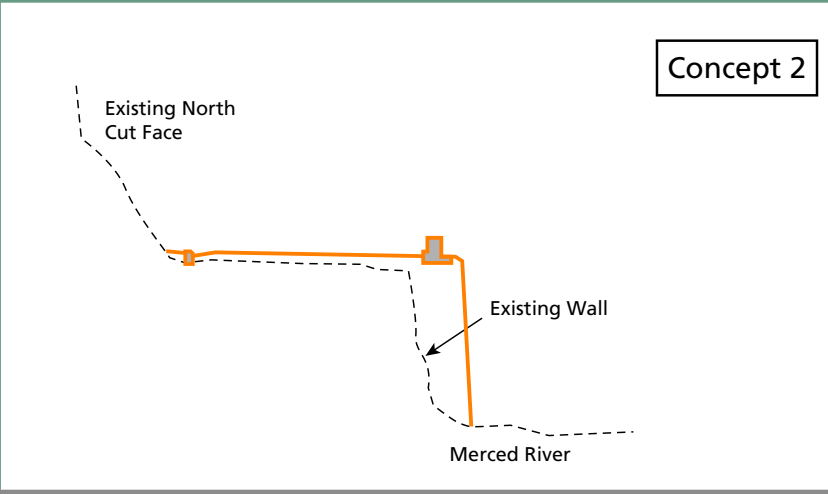
Concept 1

#### 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



Concept 2

#### Concept 2: Cut Wall Edge of Pavement

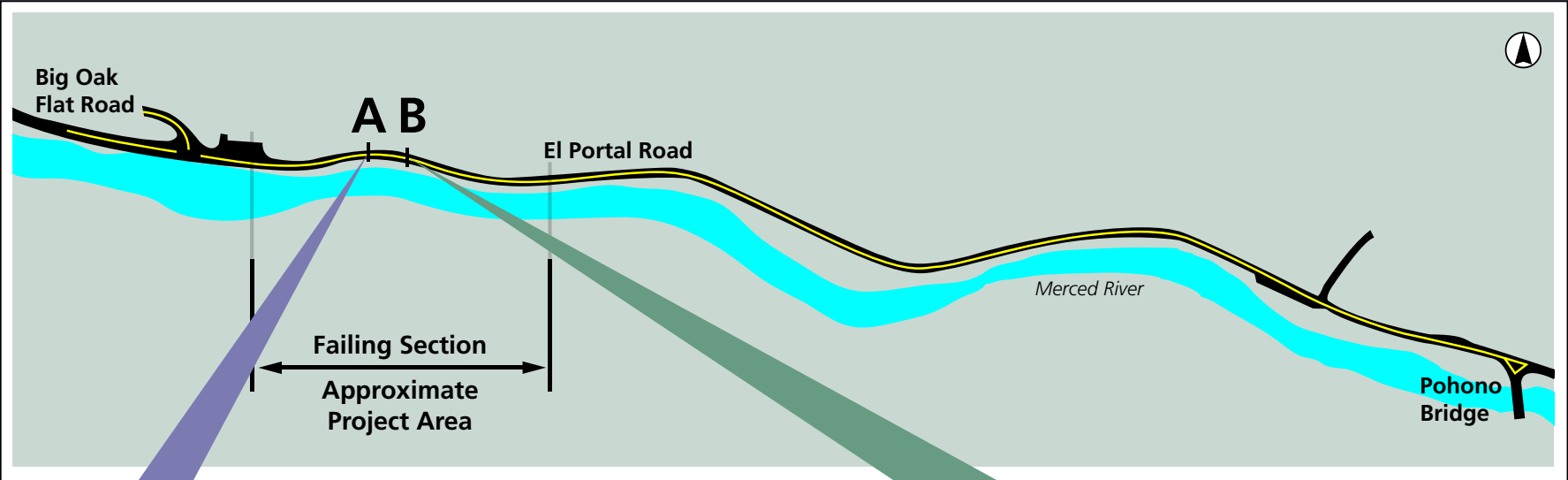
This concept holds the existing edge of pavement adjacent to the existing cut face, and constructs improvements towards the Merced River.

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

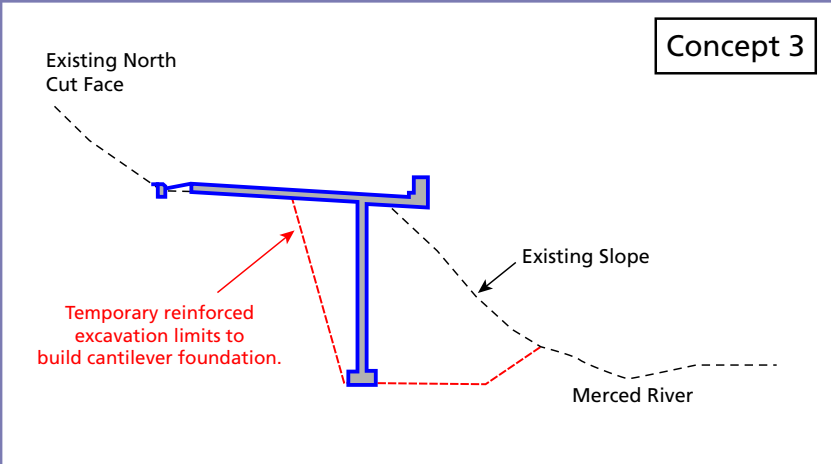
# Potential Solutions

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

National Park Service  
U.S. Department of the Interior

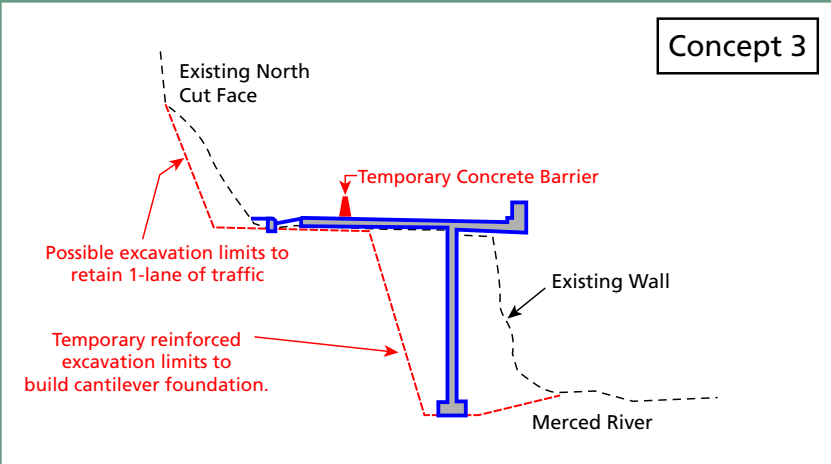


### Location A



Concept 3

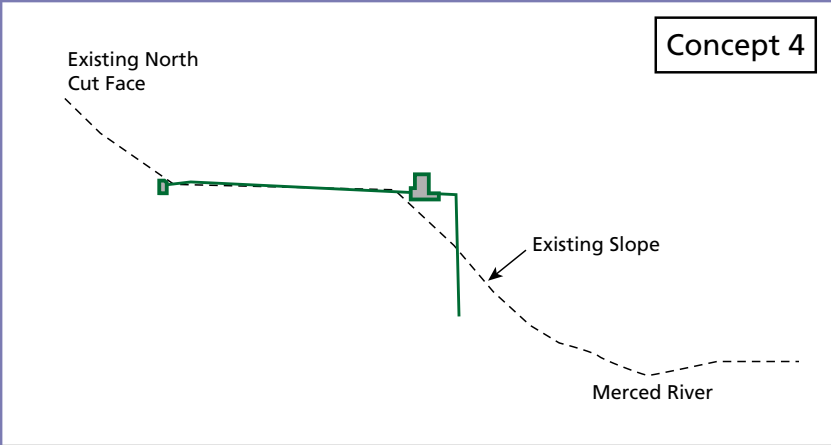
### Location B



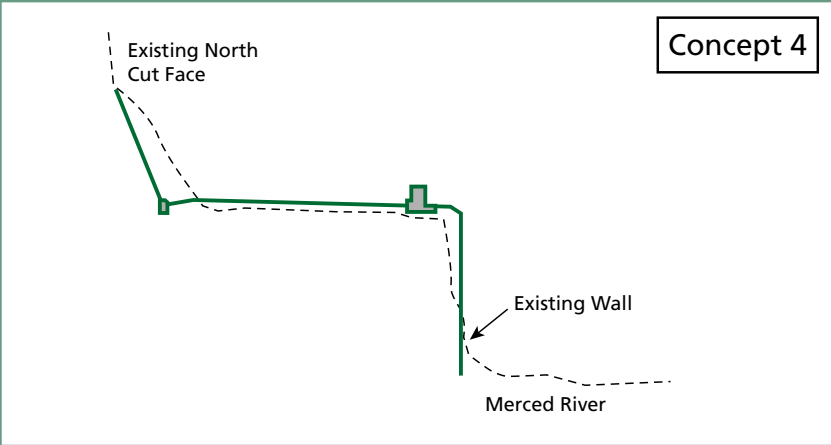
Concept 3

#### 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



Concept 4

#### 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)