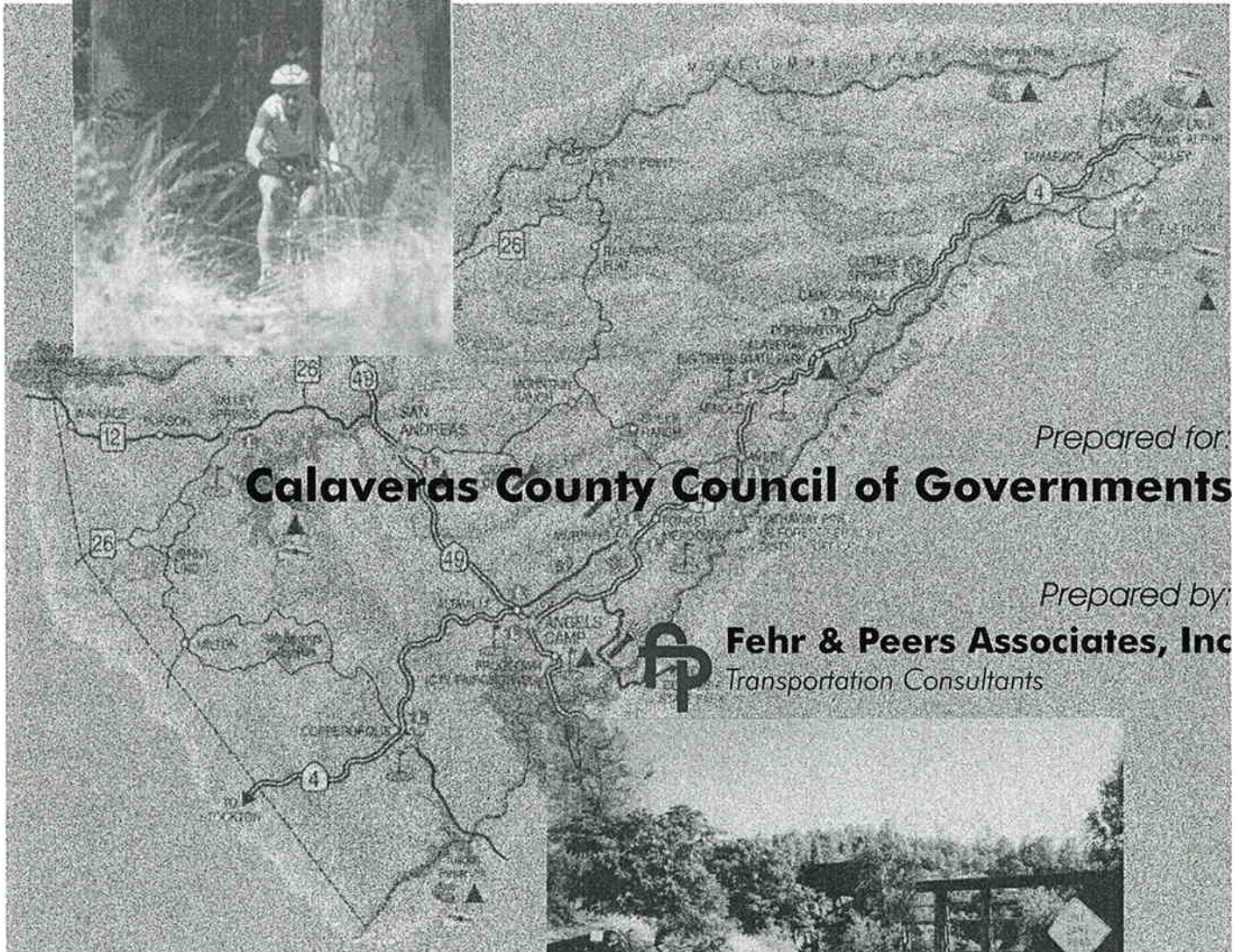
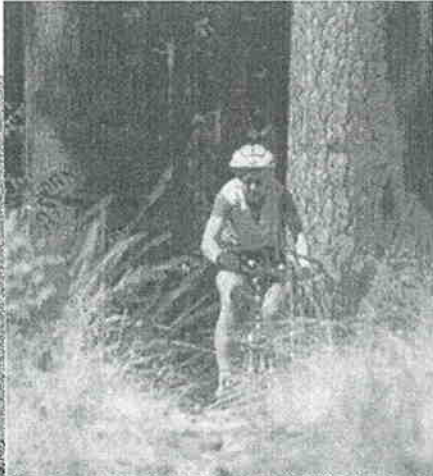


CALAVERAS COUNTY BIKEWAY PLAN UPDATE

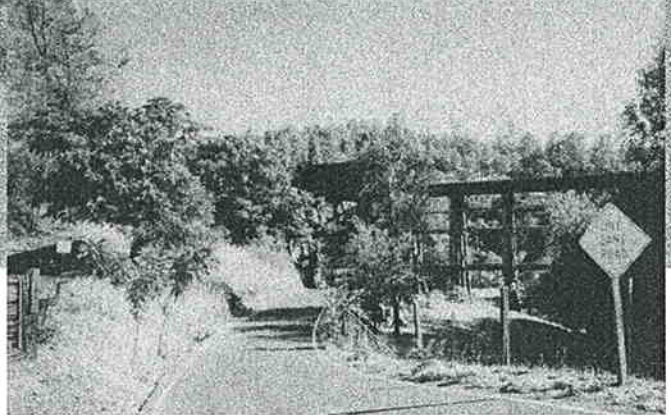
Final Report



Prepared for:
Calaveras County Council of Governments



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I. INTRODUCTION

The Calaveras County Bicycle Master Plan (CCBMP) update was prepared by Fehr & Peers Associates, Inc. under contract to the Calaveras County Council of Governments (CCCOG). It provides a blueprint for developing a bikeway system that includes both on-street and off-street facilities as well as support facilities and programs throughout the County.

As an update, this draft report represents a compilation of information developed for the original *Calaveras County Bike Plan (CCBP)* prepared in 1980 as well as new information developed solely for this effort. This report contains background information about how the 1980 plan was developed, but it focuses on the development of a new proposed bikeway system and advancing specific bikeway facilities from the planning stage to construction.

STUDY AREA

The study area includes all of Calaveras County. Most of the County can be characterized as having rolling to mountainous terrain. The western area of the County stretches through the Sierra Nevada foothills between an elevation of about 300 feet to 3,000 feet above sea level. This area of the County is the most heavily populated with urban development concentrated in the City of Angels and the unincorporated communities of Arnold, Copperopolis, Mokelumne Hill, Murphys, San Andreas, Valley Springs, and West Point. The eastern area of the County extends from the foothills to the Sierra Nevada crest with elevations reaching almost 9,000 feet above sea level. This mountainous area has limited development although a number of recreational attractions exist such as skiing, golfing, camping, hiking, fishing, and mountain biking.

PLANNING AND DESIGN STANDARDS

Bikeway planning and design in California typically rely on the guidelines and design standards established by the California Department of Transportation (Caltrans) as documented in the "Chapter 1000: Bikeway Planning and Design" contained in the *Highway Design Manual*, Fifth Edition, California Department of Transportation, July 1, 1995. This chapter of the design manual was the basis for standards of the American Association of State Highway and Transportation Officials (AASHTO) and the Federal Highway Administration (FHWA). Chapter 1000 identifies specific design standards for various conditions and the relationship of bikeways to roadways. The Caltrans standards provide for three distinct types of bikeway facilities as generally described below and shown in Figure 1.

- Class I Bikeway (Bike Path) - Provides a completely separated right of way for the exclusive use of bicycles and pedestrians with crossflow minimized.
- Class II Bikeway (Bike Lane) - Provides a striped lane for one-way bike travel on a street or highway.
- Class III Bikeway (Bike Route) - Provides for shared use with pedestrian or motor vehicle traffic.