

# **ASSESSING NEEDS AND IDENTIFYING OPPORTUNITIES FOR ITS APPLICATIONS IN CALIFORNIA'S NATIONAL PARKS**

Final Technical Report

By

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## **ABSTRACT**

National parks are under increasing pressure to preserve their unique resources while providing for a meaningful experience to an increasing volume of visitors. With increasing visitation comes an increase in transportation challenges. Since many traditional transportation solutions are inappropriate in a national park environment, intelligent transportation systems (ITS) may provide a more viable means of addressing these challenges. This report describes a research project that sought to understand the transportation needs within California's national parks by looking at two case study parks: Golden Gate National Recreation Area (GGNRA) and Sequoia and Kings Canyon National Parks (SEKI). After identifying the transportation needs for these parks through outreach meetings and visitor surveys, potential ITS solutions or themes were developed in a manner that is consistent with the National ITS Architecture. These themes are presented, along with others that may be applicable to other national parks in the state. Checklists were developed to help parks implement ITS solutions. Next steps in this project and future research needs are identified.