Reliance was placed on written correspondence from agencies and planning officials, interview notes, and meeting reports. For a resource area to be considered for this cumulative impacts analysis, the resource element must have been projected to experience a measurable impact and/or effect due to the Doyle Drive Project. Listed below are the resource elements that were identified for this cumulative analysis:

- Traffic and Transportation;
- Biological Environment;
- Hydrology, Water Quality, and Stormwater Runoff;
- Cultural Resources; and
- Visual Quality.

5.4 Temporal and Geographic Boundaries

When evaluating cumulative effects, the analyst must consider expanding the geographic study area beyond that of the proposed project, as well as expanding the temporal (time) limits to consider past, present, and future actions that may affect the environmental resources of concern. The temporal and geographic boundaries can be different for each environmental resource evaluated.

The geographic scope of analysis includes the physical limits or boundaries of environmental resources studied for this project, as well as the boundaries of other projects or activities that also may contribute to the effects on an environmental resource.

5.4.1 Temporal

A timeframe extending from 1998 through 2030 was used for all five environmental resources (traffic and transportation, biological environment, hydrology, cultural, and visual) analyzed. Using 1998 as the starting point for the analysis allowed an assessment of the changes that have occurred since the Presidio was turned over to the National Park Service and the Presidio Trust. The year 2030 is the future year used in regional transportation planning documents and the traffic analysis for this environmental document.

5.4.2 Geographic

The geographic boundaries for the hydrology, cultural, and visual resources were the Presidio and the immediate surrounding area. However, for traffic and transportation and the biological environment, the geographic study area was broadened to include locations which could still impact the biological and transportation systems within the region.

5.5 Other Projects and Plans Considered in this Analysis

Future projects, within the identified geographic boundaries, were included in the cumulative effects analysis if they were planned, approved, and funded. In some instances, if a specific project was not funded, but would have a substantial impact on the study area if implemented, the project was also considered in this analysis. All or a portion of the projects had to be located within the cumulative effects geographic study boundaries. The projects also had to be initiated before 2030. Effects from these projects were evaluated because they could result in cumulative effects on the critical resources.

The cumulative effects analysis considers the impacts to the community and the environment caused by the Doyle Drive Project in combination with other projects in the area including those in Marin County, the city of San Francisco, and the Presidio. The transportation projects and other development projects which were considered in this analysis are summarized below.

Letterman Digital Arts Center – completed (summer 2005)

The Letterman Digital Arts Center is located on a 9.3 hectare (23 acre) site in the eastern portion of the Letterman District near the Lombard Gate. The Letterman Digital Arts Center provides a large, public open space at Lyon and Lombard Streets, offering opportunities for passive recreation and pedestrian access, including a new gateway at the intersection of Lyon Street and Chestnut Street. Parking is provided underground.

Presidio Transit Center – completed (2007)

The Presidio Transit Center was designed to improve access to the Presidio and provide clear information to visitors. It is located on the Main Post near the Presidio Fire Station, and provides a central location where MUNI busses, the PresidiGo Free Shuttle, and other transit services can converge.

A new building that is architecturally compatible with the setting was constructed. The new facility also includes covered bus waiting areas, public restrooms, retail space, and secure bicycle parking.

Presidio Water Recycling Project – planning and environmental document prepared March 2002;construction planned for 2008

The Presidio Water Recycling Project will construct a small (500,000 gallons per day) water recycling system (located within an existing Presidio building in the Letterman District) and corresponding system components, including delivery pipelines and recycled water storage. The proposed water recycling plant will treat wastewater generated at the park to comply with water quality. The first phase will allow for a maximum treatment capacity of 200,000 gallons per day and will serve Crissy Field and the Letterman Digital Arts Center site.