

## **2.1.4 Utilities/Emergency Services**

### **2.1.4.1 Affected Environment**

#### ***Utilities***

The following utilities exist within the project area and its vicinity:

##### *Electrical Service*

- Southern California Edison – overhead transmission lines, transformers and power poles (along both sides of I-605 and Katella Avenue); underground transmission line (along Katella Avenue).

##### *Natural Gas and Oil*

- Southern California Gas Company – underground distribution pipelines (along Katella Avenue and Coyote Creek Channel).
- Long Beach Gas and Oil – underground distribution pipelines (along Coyote Creek Channel).

##### *Water*

- Golden State Water – water service line (along Katella Avenue).

##### *Sewer/Water Service*

- Rossmoor / Los Alamitos Sewer District / Los Alamitos Water District, Orange County Sanitation District – sewer line (along Katella Avenue).

##### *Telephone and Cable Service*

- Time Warner – telecommunication cables (along Katella Avenue and within the Los Alamitos Civic Center area).

#### ***Emergency Services***

The following public service providers apply to the project area and its vicinity:

##### *Police*

Police protection services in the project area are provided by the Los Alamitos Police Department. The Los Alamitos Police Department is based out of the Los Alamitos Civic Center, which is located at 3201 Katella Avenue. Rossmoor is served by the Orange County Sheriff's Department (OCSD) and the California Highway Patrol (CHP). CHP also provides police services in the region, such as traffic regulation enforcement and emergency accident management and service, but is primarily limited to the existing State Route and Interstate Highway Systems that extend throughout the region. However, the CHP cooperates with both County and City police departments and provides secondary support services when the need arises.

## *Fire*

Fire protection and emergency medical/paramedic services in the City of Los Alamitos and community of Rossmoor are provided by the Orange County Fire Authority (OCFA) under contract. Fire services include protection, prevention and suppression. Fire Station #2 serves the City of Los Alamitos and Rossmoor, located at 3642 Green Avenue. This station operates with three fire captains, three engineers, and three firefighters.

### **2.1.4.2 Environmental Consequences**

The project footprint for both Build Alternatives is similar; therefore, the discussion of Alternatives 2 and 3 below is combined into a single discussion of Build Alternatives, since implementation of either of the Build Alternative would result in similar impacts.

#### **2.1.4.2.1 Temporary Impacts**

##### **Utilities**

###### ***Alternative 1 (No-Build Alternative)***

Under the No-Build Alternative, no construction would occur; therefore, temporary construction impacts to utilities would not occur.

###### ***Alternatives 2 and 3 (Build Alternatives)***

The construction of the Build Alternatives has the potential to affect existing underground and overhead utility facilities, which could require protection in-place, removal, replacement, or relocation. At this time, utility conflicts are limited to relocations of water appurtenances on the north side of Katella Avenue and minor adjustments to grade of manholes. At this phase, based on preliminary field review, all appurtenances are anticipated to be City-owned and covered under a future agreement between the City and OCTA. Existing overhead power lines are located on both sides of the interchange and along eastbound Katella Avenue east of the interchange, but would be protected in place.

The project's final design process (Plans, Specifications, and Estimates [PS&E] phase) would account for all utility relocation (if any) required for project implementation. An updated utility search would be conducted during final design to determine all utility conflicts that would require protection in-place or relocation. Coordination with the identified utility companies would be carried out during the PS&E and construction phases. No service disruptions would occur to any of the utilities during construction. As such, temporary effects in this regard would not be adverse.

##### **Emergency Services**

###### ***Alternative 1 (No-Build Alternative)***

Under the No-Build Alternative, no construction would occur; therefore, temporary construction impacts to emergency services would not occur.

### **Alternatives 2 and 3 (Build Alternatives)**

During construction of the Build Alternatives, some impairment to the delivery of emergency services, including fire and police response times, may occur as a result of lane closures along Katella Avenue, and limited ramp closures required for short periods of time at the interchange. Closure of the I-605 interchange ramps is expected to occur, but would be limited to approximately two weekend closures to avoid impacts during peak hours. Additionally, the southernmost eastbound lane along Katella Avenue would be closed during construction to allow for proposed arterial improvements. This lane closure would occur over a period of approximately four to six weeks, and travel in both directions on Katella Avenue would be maintained at all times.

As noted in Section 2.1.5, Traffic and Transportation/Pedestrian and Bicycle Facilities, of the IS/EA, a Transportation Management Plan (TMP) has been included as a project feature to minimize potential traffic-related impacts during construction of the project. The TMP would include potential measures such as a public awareness campaign, alternate routes and construction signage, measures for pedestrian protection, limitations on timing for lane closures to avoid peak hours, temporary striping plans, construction vehicle routing plans, among others. The TMP Guidelines require consideration and notification of emergency service providers to provide for adequate emergency access. Refer to PF-TR-1 in Section 2.1.5 for the specific provisions of the TMP.

As part of the PS&E phase, the TMP would be prepared to ensure that effects are not adverse. With implementation of PF-TR-1, adverse effects related to short-term construction activities and effects on emergency response would be minimized.

#### **2.1.4.2.2 Permanent Impacts**

##### **Utilities**

##### **Alternative 1 (No-Build Alternative)**

Under the No-Build Alternative, I-605, Katella Avenue, and the surrounding transportation network would be maintained; therefore, no permanent changes or impacts to existing utilities in the project area would occur.

##### **Alternatives 2 and 3 (Build Alternatives)**

Any relocation or other effects to utility facilities under the Build Alternatives would occur during the final design or construction phase. All existing utility facilities would be permanently maintained under the Build Alternatives, similar to existing conditions. The Build Alternatives would not result in increased demand for domestic water services, wastewater facilities, or solid waste disposal. Therefore, the Build Alternatives would not result in permanent adverse effects on utility facilities and providers.

##### **Emergency Services**

##### **Alternative 1 (No-Build Alternative)**

Under the No-Build Alternative, I-605, Katella Avenue, and the surrounding transportation network would be maintained; therefore, no changes to operation of the interchange that would affect emergency services in the project area would occur.

### **Alternatives 2 and 3 (Build Alternatives)**

Alternatives 2 and 3 would improve the operational efficiency of the interchange, thereby improving the delivery of public services (police and fire protection, and emergency medical response) in the area than would otherwise occur under the No-Build Alternative. Therefore, a beneficial impact would occur with regard to emergency services in the long-term.

#### **2.1.4.3 Avoidance, Minimization, and/or Mitigation Measures**

No avoidance, minimization, and/or mitigation measures are required with adherence to the project feature described above.