

## 4.15

# UTILITIES



### 4.15.1 INTRODUCTION

Existing utilities and infrastructure within the study area were described in Section 4.16, with major utilities listed in Table 4.16-1 of the FEIR. This section also evaluated the impacts of the Project on existing utilities. During the Preliminary Engineering design phase, additional studies and plans relating to utility relocation and stray current and corrosion control were prepared. These studies are listed below.

- ❑ SVRT Line Segment Preliminary Engineering Drawings 35 percent Submittal, December 15, 2005
- ❑ Composite Plan of Utility Rearrangements, Volume 2 of 5 – Utilities
- ❑ Composite Utility Relocation Plan, Volume 4 of 5 – Street Improvements – Kato Road, Dixon Landing Road, Montague Expressway, and East Capitol Avenue
- ❑ Composite Utility Relocation Plan, Volume 5 of 5 – Street Improvements – Trade Zone Boulevard, Hostetter Road, Lundy Avenue/Sierra Road, Berryessa Road, and Mabury Road
- ❑ HMM/Bechtel, Composite Utility Relocation Plans and the Utility Relocation Drawings of the Tunnel Segment Interim Submittal, December 16, 2005

- ❑ V&A Consulting Engineers, Stations Segment Design Stray Current Mitigation/Corrosion Control Study FINAL, April 2005
- ❑ HMM/Bechtel SVRT, Silicon Valley Rapid Transit Project Tunnel Segment Corrosion/Stray Current Control, January 25, 2005
- ❑ V&A Consulting Engineers, Stray Current Protection/Corrosion Control Study Yard & Shops Segment, February 3, 2006

### 4.15.2 ENVIRONMENTAL SETTING

The descriptions and list of existing utilities and infrastructure within the study area is updated. The changes are described below:

*Telephone lines* and *Fiber optic cables* were identified in the FEIR as utilities that exist within the study area. For clarification purposes, *Telephone lines* is revised to *Communications (including, but not limited to, fiber optic cables, traditional copper phone/data cables, and TV-cable coax)*; and *Fiber optic cables* is deleted. The *Communications* facilities within the study area are owned and operated by Sprint, Broad Wing, Verizon (formerly MCI/MFS), Level 3, XO Communications, City of San Jose (CSJ) Smart Fiber,

AT&T (formerly SBC), Brooks Fiber, Qwest, Comcast, and UPRR.

Table 4.16-1 of the FEIR lists the 14 major utilities known to exist in the study area. The table includes a major utility from Berryessa Road to Mabury Road which is owned or operated by the Santa Clara Valley Water District. This utility is incorrectly identified as a

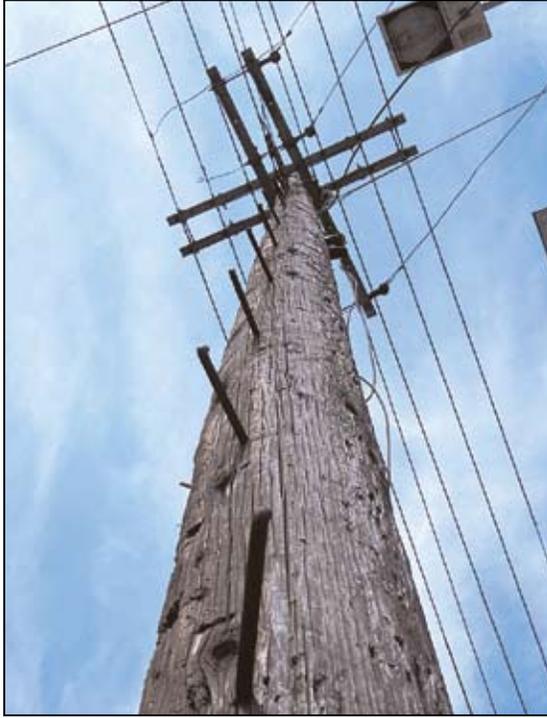
66-inch storm drain. This utility is not a storm drain; it is a 66-inch high-pressure water main.

Since the FEIR was certified, additional major utility locations within the study area have been identified. These additional locations are listed in Table 4.15-1.

**TABLE 4.15-1:**

<b>Additional Major Utility Locations Within the Study Area</b>						
<b>LOCATION</b>		<b>QUANTITY STATIONING</b>	<b>TYPE OF UTILITY</b>	<b>OWNER/ OPERATOR</b>	<b>SIZE (min. 36")</b>	<b>TYPE OF MATERIALS</b>
Kato Road	STA 168+50	1	Storm Drain	City of Fremont	48	Reinforced concrete pipe
Balboa Drive	STA 223+30	1	Storm Drain	City of Milpitas	42	Reinforced concrete pipe
Curtis Avenue to Montague Expressway	STA 330+00 to STA 370+00	1	Electric	PG&E	115 kV	Overhead line
Lundy Avenue/ Sierra Road Intersection	STA 489+50 to STA 491+00	4	Storm Drain	City of San Jose	30", 36", 48", and 54"	Reinforced concrete pipe
Capitol Avenue	CA1 66+73 to CA1 62+14	1	Gas	PG&E	30" and 36"	Welded steel
7th and East Santa Clara Streets	STA 676+00	2	Sanitary Sewer	City of San Jose	8" and 72"	Vitrified clay pipe and reinforced concrete pipe
6th and East Santa Clara Streets	STA 680+00	1	Storm Drain	City of San Jose	72"	Reinforced concrete pipe
5th and East Santa Clara Streets	STA 683+50	1	Sanitary Sewer	City of San Jose	54"	Reinforced concrete pipe
5th and East Santa Clara Streets	STA 683-50	1	Storm Drain	City of San Jose	48"	Reinforced concrete pipe
4th and East Santa Clara Streets	STA 687+00	2	Storm Drain	City of San Jose	54" and 60"	Reinforced concrete pipe
Autumn Street	STA 734+53	1	Sanitary Sewer	City of San Jose	36"	Vitrified clay pipe
Stockton Avenue	STA 785+00 to STA 792+00 Figure A-51	1	Communications	AT&T, Level (3)	36" total	Concrete duct
Emory Street	STA 803+60	1	Water	Santa Clara Valley Water District	66"	Welded steel encased in concrete

Source: HMM/Bechtel 2005



### 4.15.3 REGULATORY SETTING

**Design guidelines and best management practices** provide guidance for the Project and for addressing Project impacts on utilities. Please refer to Section

4.16.3.2 of the FEIR for additional information on these guidelines and practices.

### 4.15.4 PROJECT IMPACTS AND MITIGATION MEASURES

**The following design change merits discussion** of potential Project impacts to existing utilities and infrastructure.

**Design Change 40. Downtown San Jose Station.** This station and its impacts on utilities and infrastructure were not identified in the FEIR; however, this station consolidates the two downtown stations previously analyzed in the FEIR. Due to the proximity of the Downtown San Jose Station to the previous two downtown stations and the similarity in designs, the discussions of the impacts, design requirements and best management practices, and mitigation measures relating to existing utilities and infrastructure included in the FEIR remain applicable.

## CONCLUSION

The design changes made since the certification of the FEIR result in no new significant impacts related to existing utilities and infrastructure. Therefore, no new mitigation measures are necessary.

