

pipelines branch off these main lines near Desert Center and extend southward into Imperial County, and another set of dual lines branches off the main pipelines near Gilman Springs Road at SR-60 and extends southward into San Diego County. These dual lines from Gilman Springs Road intersect all of the build alternatives (Figure 3.5.2). Near the I-215 and I-10 interchange, one pipeline veers to the south and extends west across the county following SR-91. Another veers to the north and follows I-215 before extending west across the county through the City of Riverside and Pedley. This pipeline is perpendicular to Alternative H3.

3.5.2.2 Water

Water service in the HCLE Corridor project area is provided by Metropolitan Water District (MWD) and local water agencies. Local water agency pipelines may require relocation in order to accommodate construction of a CETAP alternative. MWD facilities, however, are at a regional rather than local scale and present potential rate selection constraints as a result of cost and feasibility of relocation. Table 3.5.F lists water providers and correlating facilities associated with each alternative. The water facilities are nearby, adjacent to, or crossed by the alternative.

Eastern Municipal Water District (EMWD) provides fresh water, wastewater service, and recycled water to a 893 square kilometer (555 square miles) area from Moreno Valley southward along the I-215 corridor to Temecula and eastward to Hemet and San Jacinto. The HCLE Corridor alternatives do not encounter major EMWD facilities.

Major water conveyance systems consist of the Colorado River Aqueduct operated by MWD, the California Aqueduct operated by the State Department of Water Resources (DWR), and water distribution lines operated by MWD. The Colorado River Aqueduct enters Riverside County near the intersection of SR-62 and SR-177 and continues southerly towards Desert Center. The Aqueduct then follows I-10 east-west and then goes south towards San Jacinto before terminating at Lake Mathews. Part of California's State Water Project (SWP), the California Aqueduct terminates in Riverside County at Lake Perris and is the southernmost storage location within the SWP. Figure 3.5.3 shows the major water distribution system lines in western Riverside County. These lines are the primary water transmission pipelines conveying water from storage locations to the eventual end user.

Diamond Valley Lake and Lake Skinner, both located southeast of the HCLE study area, are owned and operated by MWD. Both lakes provide potable water and a setting for recreational activity.

Figure 3.5.2 - Utilities

Figure 3.5.3 - MWD Facilities

Table 3.5.E - Water Service Providers and Facilities

Alternatives	Water Service Provider	Facilities
1a, 1b	MWD	Existing facilities at Lake Mathews: <ul style="list-style-type: none"> C Outlet Tunnel C Upper Feeder at La Sierra and El Sobrante C Lower feeder (10' Cajalco tunnel) at La Sierra and El Sobrante C Inland feeder at Romona and Davis Road C Headworks C Dam at Lake Mathews C Colorado River Aqueduct/Val Verde tunnel east of Lake Mathews. Alternatives 1a and 1b are north of tunnel. C Colorado River Aqueduct by Lake Perris. Future MWD facilities at Lake Mathews: <ul style="list-style-type: none"> C Box Spring feeder at La Sierra and El Sobrante C Central Pool Augmentation (CPA) projects C Water treatment plant at Eagle Valley and associated feeders
	California Department of Water Resources (DWR)	East Branch California Aqueduct by Lake Perris
4a	MWD	San Diego Canal and Pipeline Nos. 1 and 2 perpendicular crossing at SR74 and Warren Road
4c	MWD	San Diego Canal and Pipeline Nos. 1 and 2 perpendicular crossing at SR74 and Warren Road
4d	MWD	San Diego Canal and Pipeline Nos. 1 and 2 perpendicular crossing at SR74 and Warren Road
5a, 5b, 5c, 5e	MWD	No major facilities
5c	Local agency	Water tank north of Nicolas Road extension
6a, 6b	MWD	No major facilities
H1	MWD	See 1a, 1b
H3	MWD	See 1a, 1b
	Riverside County Flood Control and Water Conservation District	Arlington Channel along SR-91

Source: CETAP Alternatives Development Report for the Hemet to Corona/Lake Elsinore Corridor, December 3, 2001.