

Table 3.9.B - Faults and Seismicity Characteristics in the HCLE Corridor Vicinity

Fault/ Fault Zone	Fault/Fault Zone Length (km, mi)	Direction From Study Area	Distance to HCLE Corridor (km, mi)¹	Maximum Historic Earthquake Magnitude (Mw)	Probable Maximum Earthquake Magnitude (Mw)	Probability of Occurrence in 100 years
Banning Fault Zone	40, 25	NE	24, 15	Holocene Era (from 10,000 years ago)	6.0-7.2	Unknown
Chino Fault	21,13	W	1.6, 1	Unknown	6.0-7.0	Unknown
Cucamonga/ San Jose Fault Zone	26, 16	NW	40, 25	5.2 (1990)	7.0	High
Elsinore Fault Zone	209 ,130	S, SW	1.6, 1	6.0 (1910)	7.5	High
Newport- Inglewood – Rose Canyon Fault Zone	113, 70	W	97, 60	6.3 (1933)	7.0	Moderate
Palos Verdes Fault Zone	81, 50+	W	97, 60	3.2 (1972)	7.0	Moderate
San Andreas Fault Zone	966, 600+	N	56, 35	8+ (1857)	8.0	High
San Gorgonio Pass Fault Zone	35, 22	NE	17, 10	Holocene Era	6.0-7.0	Unknown
San Jacinto Fault Zone	258, 160	E	1.6, 1	7 (1918)	7.5	High
Sierra Madre Fault Zone	48, 30	NW	64, 40	6.4 (1971)	7.5	High
Whittier Fault	45, 28	W	64, 40	Unknown	7.0	Moderate

(Source: RCIP Existing Setting Report (LSA, 1999) and www.scecdc.scec.org

¹ Approximate distance to closest HCLE alternative.