

## Completed Projects

**Owner:** PG&E (Barnard - Contractor)  
**Crossing:** Mountainside and Smart Rail ROW  
**Length:** 2,868 LF (baymud/rock/bedrock formation)  
**Pipe Size:** 16" Steel Pipe  
**Completed:** October 2020  
**Contact:** Ryan Englert (Barnard Pipelines)

**Owner:** Kinder Morgan (ARB - Contractor, J-C- Sub-Contractor)  
**Crossing:** Line drop for High Speed Rail on Tulare Street in Fresno, CA  
**Length:** 1,390 LF (dirt formation)  
**Pipe Size:** 12" Steel Pipe  
**Completed:** June 2020  
**Contact:** Jim Shutts (ARB)

**Owner:** Aemetis, Inc. (Snelson - Contractor, J-C Sub-contractor)  
**Crossing:** 11 Bores crossing canals, roads, orchards  
**Length:** 13,339 LF (sand/bedrock formation)  
**Pipe Size:** 8" HDPE DR7  
**Completed:** May 2020  
**Contact:** Robbie Macias (Aemetis)

**Owner:** City of Fresno (Teichert Construction - Contractor, J-C- Sub-Contractor)  
**Crossing:** UP RR Crossing at Tulare Street in Fresno, CA  
**Length:** 820 LF (dirt formation)  
**Pipe Size:** 6" HDPE Pipe  
**Completed:** February 2020  
**Contact:** Chris Grimm (Teichert)

**Owner:** West Coast Wastewater District (Welco Underground - Contractor, J-C-Sub-Contractor)  
**Crossing:** Hilltop Green Force in Richmond, CA  
**Length:** 1,000 LF (dirt & rock formation)  
**Pipe Size:** 12" HDPE Pipe  
**Completed:** January 2020  
**Contact:** Allen Wells (Welco Underground)

**Owner:** Diamond Ranch (Lodi Pump & Irrigation - Contractor, J-C- Sub-Contractor)  
**Crossing:** Under Harbin Creek on Big Canyone Road in Middletown, CA  
**Length:** 370 LF & 250 LF (cobble & boulder formation)  
**Pipe Size:** 12" HDPE Pipe & 10" HDPE Pipe  
**Completed:** November 2019  
**Contact:** Patrick Stern (Lodi Pump & Irrigation)

**Owner:** Kinder Morgan (ARB - Contractor, J-C- Sub-Contractor)  
**Crossing:** Line drop for High Speed Rail on Ventura Street in Fresno, CA  
**Length:** 1,630 LF (dirt formation)  
**Pipe Size:** 12" Steel Pipe  
**Completed:** October 2019  
**Contact:** Jim Shutts (ARB)

**Owner:** Wickland Pipelines (J-C - Contractor)  
**Crossing:** Under Sacramento Bypass in West Sacramento, CA  
**Length:** 4,450 LF (dirt formation)  
**Pipe Size:** 12" Steel Pipe  
**Completed:** September 2019  
**Contact:** Roy Wickland (Wickland Pipelines)

**Owner:** Santa Cruz County Sanitation Dist. (Anderson Pacific - Contractor, J-C- Sub-Contractor)  
**Crossing:** Under Soquel Creek in Capitola, CA  
**Length:** 820 LF (clay, gravel, and rock formation)  
**Pipe Size:** 24" HDPE & (2) 2" HDPE conduits  
**Completed:** August 2019  
**Contact:** Nick Jouras (Anderson Pacific)

**Owner:** Nevada (Q&D - Contractor, J-C - Sub-Contractor)  
**Crossing:** Underneath the Truckee River in Reno, NV  
**Length:** 1060 LF (boulder & cobble formation)  
**Pipe Size:** 12" Steel Pipe  
**Completed:** November 2018  
**Contact:** Rick Landino (Silver State Boring)

**Owner:** Soquel Creek Water District (CTI - Contractor, J-C - Sub-Contractor)  
**Crossing:** Under a grove of eucalyptus trees in Seascape, CA  
**Length:** 550 LF (Sand formation)  
**Pipe Size:** 12" FPVC  
**Completed:** October 2018  
**Contact:** Chris Asbury (CTI)

**Owner:** Central Contra Costa Sanitary District (CTI - Contractor, J-C - Sub-Contractor)  
**Crossing:** Underneath a tree in Alamo, CA  
**Length:** 250 LF (clay formation)  
**Pipe Size:** 10" HDPE  
**Completed:** September 2018  
**Contact:** Chris Asbury (CTI)

**Owner:** HBMWD (Mercer-Fraser - Contractor, J-C - Sub-Contractor)  
**Crossing:** Underneath Mad River in McKinleyville, CA  
**Length:** 1200 LF (rock formation)  
**Pipe Size:** 18" HDPE  
**Completed:** September 2018  
**Contact:** Mark Benzinger (Mercer-Fraser)

**Owner:** Chevron (Contractor - ARB, J-C -worked under ARB)  
**Crossing:** Little Honker Bay to Grizzly Island in Pittsburg, CA  
**Length:** 9,000 LF (sand & clay formation)  
**Pipe Size:** 8" Product Pipe  
**Completed:** August 2018  
**Contact:** Jody Parrish (ARB)

**Owner:** PG&E (Barnard Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** Underneath the Mojave River near Hinkley PG&E gas compressor station  
**Length:** 4200 LF (sand & cobble formation)  
**Pipe Size:** Intersect - Reamed to 24"  
**Completed:** April 2018  
**Contact:** Larry Bertolucci (HDD Company)

**Owner:** PG&E (Underground Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** Benicia, underneath a creek & bridge  
**Length:** 500 LF (rock & dirt formation)  
**Pipe Size:** 8" Steel Casing for a 4" Gas Line  
**Completed:** February 2018  
**Contact:** Ray Lemen (Underground Construction)

**Owner:** Chevron (Cross Country - Contractor, J-C - Subcontractor)  
**Crossing:** Marshlands at the end of N. Broadway Rd. in Pittsburg, CA  
**Length:** 2,594 LF (dirt formation)  
**Pipe Size:** 8" Steel Pipe  
**Completed:** September 2017  
**Contact:** Wayne Mills (Cross Country)

**Owner:** PG&E (HDD Company - Contractor, J-C - Subcontractor)  
**Crossing:** Riego Rd., by Sacramento Airport  
**Length:** 1,880 LF, 800 LF, 800LF (dirt formation)  
**Pipe Size:** 30" Steel Pipe  
**Completed:** August 2017  
**Contact:** Rick Evans (HDD Company)

**Owner:** California Resources Company (HDD Company - Contractor, J-C - Subcontractor)  
**Crossing:** Under CA Aqueduct in Taft, CA  
**Length:** 1,200 LF (dirt formation)  
**Pipe Size:** 16" steel casing  
**Completed:** May 2017  
**Contact:** Rick Evans (HDD Company)

**Owner:** Nevada Water District (Q&D Const.-Contractor, SSB-Subcontractor, J-C-Sub-SubContractor)  
**Crossing:** Carson River in Dayton, NV  
**Length:** 1,100 LF (dirt formation)  
**Pipe Size:** 16" FPVC pipe  
**Completed:** April 2017  
**Contact:** Rick Landino (Silver State Boring)

**Owner:** Clayton Palms Community LP ( J-C General - Contractor)  
**Crossing:** Clayton Palms Community in Clayton, CA  
**Length:** Various Lengths (Total of 1,010 LF)  
**Pipe Size:** 2" & 4" HDPE  
**Completed:** March 2017  
**Contact:** Chip Polvoorde (Clayton Palms Community LP)

**Owner:** BART (CTI - Contractor, J-C - Sub-Contractor)  
**Crossing:** Willow Rd. in Antioch, CA  
**Length:** 500 LF (dirt formation)  
**Pipe Size:** 12" HDPE sewer grade bore  
**Completed:** December 2016  
**Contact:** Mike Jardine (CTI)

**Owner:** AT&T (Accu-Bore - Contractor, J-C - Sub-Contractor)  
**Crossing:** 23rd Avenue, underneath 880 in Oakland  
**Length:** 580 LF (dirt and gravel formation)  
**Pipe Size:** (3) 6" Steel Pipe in a bundle  
**Completed:** November 2016  
**Contact:** Bryan Gordon (Accu-Bore)

**Owner:** Travis Airforce Base (Swan Engineering - Contractor, J-C - Sub-Contractor)  
**Crossing:** Travis Airforce Base  
**Length:** 230 LF (rock and dirt formation)  
**Pipe Size:** 12" HDPE  
**Completed:** November 2016  
**Contact:** Jack Miller (Swan Engineering)

**Owner:** PG&E (Barnard Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** Hwy 16, by Sacramento Airport  
**Length:** (2) 800LF (soil formation)  
**Pipe Size:** 30" Steel Pipe High Pressure Gas  
**Completed:** August 2016  
**Contact:** Rick Evans (The HDD Company)

**Owner:** City of Elk Grove (Garney Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** Sacramento County Wastewater Plant  
**Length:** 3300 LF (dirt and cobble formation)  
**Pipe Size:** 12" Fusible PVC  
**Completed:** January 2016  
**Contact:** Kevin Downs (Garney Construction)

**Owner:** City of Lincoln (Rados Construction - Contractor, J-C Sub-Contractor)  
**Crossing:** Newcastle, CA  
**Length:** 300 LF (granite rock)  
**Pipe Size:** 22" HDPE  
**Completed:** July 2015  
**Contact:** Alan Wells (Welco Underground Construction)

**Owner:** PG&E (Accu-Bore - Contractor, J-C - Sub-Contractor)  
**Crossing:** Underneath Interstate 880 & 8 sets of railroad tracks  
**Length:** 1066 LF (soil formation)  
**Pipe Size:** 4 10" in a bundle HDPE  
**Completed:** October 2014  
**Contact:** Billy Kilmore (Accu-Bore)

**Owner:** US Navy (L-3 MariPro Comm. - Contractor, J-C - Sub-Contractor)  
**Crossing:** Shore Approach in the Marshall Islands in the South Pacific Ocean  
**Length:** 1700 LF (solid rock and coral formation)  
**Pipe Size:** 5" Steel  
**Completed:** August 2014  
**Contact:** Geoffrey Ball (L-3 MariPro Communications)

**Owner:** Alameda Municipal Power (CTI - Contractor, J-C - Sub-Contractor)  
**Crossing:** Coast Guard Island to Grand Street  
**Length:** 1650 LF (soil & gravel formation)  
**Pipe Size:** 3 6" HDPE  
**Completed:** May 2014  
**Contact:** Mike Jardine (California Trenchless Inc)

**Owner:** Central Contra Costa Sanitation District (CTI - Contractor, J-C - Sub- Contractor)  
**Crossing:** Diablo Country Club  
**Length:** Various Lengths - Total of 5300 LF (soil formation)  
**Pipe Size:** 8" & 10" HDPE  
**Completed:** February 2014  
**Contact:** Mike Jardine (California Trenchless Inc)

**Owner:** Caltrans (G.R. Sundberg - Contractor, J-C - Sub-Contractor)  
**Crossing:** Into Mountainside in Blue Lake, CA (underneath Hwy 299)  
**Length:** 4 crossings - 302 LF, 475 LF, 747 LF, 440 LF (all solid rock formation)  
**Pipe Size:** 5" Steel Pipe  
**Completed:** October 2013  
**Contact:** Casey Poff (G.R. Sundberg)

**Owner:** Venoco - Owner, J-C - Contractor  
**Crossing:** Sandpipe Golf Course (Exited 1400 Ft. ocean outfall line)  
**Length:** 2400 LF (rock formation)  
**Pipe Size:** 10" HDPE SDR9  
**Completed:** July 2013  
**Contact:** Jerry Jeffries (Venoco)

**Owner:** Air Products (Underground Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** Underneath Montague Expressway in Milpitas, CA  
**Length:** 1850 LF (dirt formation)  
**Pipe Size:** 6" Stainless Steel  
**Completed:** May 2013  
**Contact:** Loren Hudson (Underground Construction)

**Owner:** Caltrans (G.R. Sundberg - Contractor, J-C - Sub-Contractor)  
**Crossing:** Into mountainside in Blue Lake, CA  
**Length:** 2 crossings at 357 LF and 537 LF (rock formation)  
**Pipe Size:** 5" Steel  
**Completed:** January 2013  
**Contact:** Randy Sundberg (G.R. Sundberg)

**Owner:** U.S. Air Force (Kinley Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** Travis Air Force Base Runway and Parking Lot  
**Length:** 2 crossings at 1,960 LF and 1,360 LF (soil formation)  
**Pipe Size:** 12" Steel  
**Completed:** October 2012  
**Contact:** Joseph Schilling (Kinley Construction)

**Owner:** Douglas County (Silver State Boring - Contractor, J-C - Sub-Contractor)  
**Crossing:** Underneath Carson River in Minden, NV  
**Length:** 2 crossings at 1300 LF total (soil formation)  
**Pipe Size:** 30" Fusible PVC  
**Completed:** September 2012  
**Contact:** Rick Landino (Silver State Boring)

**Owner:** Cargill Salt (Galindo Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** San Francisco Bay (Slipline Project)  
**Length:** 6,984 LF  
**Pipe Size:** 14" Fusible PVC (Slipline in existing 20" steel pipe)  
**Completed:** March 2012  
**Contact:** Ron Galindo (Galindo Construction)

**Owner:** PG&E (Underground Construction - Contractor, J-C - Sub-Contractor)  
**Crossing:** Hegan Lane in Chico, CA  
**Length:** 2 crossings at 900 LF each (soil formation)  
**Pipe Size:** 6" plastic (Gas Main)  
**Completed:** December 2011  
**Contact:** Loren Hudson (Underground Construction)

**Owner:** Terra-Gen Power (Systems 3 - Contractor, J-C - Sub-Contractor)  
**Crossing:** Oak Creek in Mojoave Desert, CA  
**Length:** 1300 LF (solid rock)  
**Pipe Size:** 10" HDPE  
**Completed:** September 2011  
**Contact:** Clint Harbison (Systems 3)

**Owner:** MCI Communications (Trifecta Constr.-Contractor, J-C-Sub-Contractor)  
**Crossing:** Lower Sacramento Road/U.P. Railroad in Stockton, CA  
**Length:** 1,190 LF (soil formation)  
**Pipe size:** 4" steel casing (Fiber-optic conduit)  
**Completed:** April 2011  
**Contact:** Chris Lackey (Trifecta)

**Owner:** Shell (Rockford-Contractor, J-C-Sub-Contractor)  
**Crossing:** Coyote Creek in San Jose, CA  
**Length:** 1,265 LF (soil formation)  
**Pipe size:** 10" steel (Gas Line)  
**Completed:** January 2011  
**Contact:** Mark Borges (Rockford)

**Owner:** So-Cal Gas (ARB-Contractor, J-C-Sub-Contractor)  
**Crossing:** Creek Crossing in Lompoc, CA  
**Length:** 910 LF (solid rock-500 ft., soil formation-410 ft.)  
**Pipe size:** 10" HDPE SDR9 (Gas Line)  
**Completed:** November 2010  
**Contact:** David Cox (ARB)

**Owner:** City of Redding (Axner Excavating-Contractor, J-C-Sub-Contractor)  
**Crossing:** Boulder Creek in Redding, CA  
**Length:** Pipe Reamed 1500 LF total - 2 bores (rock boulders)  
**Pipe size:** 15-28" HDPE (Sewer Main - gravity)  
**Completed:** August 2010

**Owner:** NV Energy (Silver State Boring-Contractor, J-C-Sub-Contractor)  
**Crossing:** Interstate 80 and on/off ramps in Reno, NV  
**Length:** 1,100 LF (soil/ cobble formation)  
**Pipe size:** 24" steel casing for 18" steel pipe (Gas main)  
**Completed:** April 2010  
**Contact:** Rick Landino (SSB)

**Owner:** PG&E (Rockford-Contractor, J-C-Sub-Contractor)  
**Crossing:** Irrigation Canal  
**Length:** 900 LF (soil formation)  
**Pipe size:** 24" steel (Gas main)  
**Completed:** March 2010  
**Contact:** Mark Borges (Rockford)

**Owner:** City of Milpitas (CTI-Contractor, J-C-Sub-Contractor)  
**Crossing:** Abel St. & Great Mall Pkwy. Intsctn. In Milpitas, CA  
**Length:** 360 LF (soil formation)  
**Pipe size:** 8" Fusible PVC (Water main)  
**Completed:** May 2010  
**Contact:** Mike Jardine (CTI)

**Owner:** Venoco (Rockford-Contractor; J-C Sub-Contractor)  
**Crossing:** 60 VF elevation change at 2500 FT horizontal radius in Brentwood, CA  
**Length:** 1860 LF (rock formation)  
**Pipe size:** 12" steel (High-pressure gas main)  
**Completed:** November 2009  
**Contact:** Mark Borges (Rockford)

**Owner:** Wild Goose Gas Storage: Niska (Rockford-Contractor; J-C Sub-Contractor)  
**Crossing:** Canals and roads surrounding Wild Goose Gas Storage in Gridley, CA  
**Length:** 4 crossings at 750 LF, 850 LF, 1,000 LF, 1,100 LF (soil formation)  
**Pipe size:** 24" steel (High-pressure gas main)  
**Completed:** September 2009  
**Contact:** Mark Borges (Rockford)

**Owner:** City of Fernley (Silver State Boring-Contractor)  
**Crossing:** Canal in Fernley, NV  
**Length:** 3 crossings at 500 LF each spaced 15 ft. apart (mostly soil formation with cobble)  
**Pipe size:** 24" fusible PVC (water main)  
**Completed:** February 2009  
**Contact:** Rick Landino (SSB)

**Owner:** City of Tiburon (Team Ghilotti-Contractor)  
**Crossing:** Reclaimed water out fall exiting on bottom of S.F. Bay  
**Length:** 500 LF (solid rock formation)  
**Pipe size:** 6" HDPE (reclaimed water outfall)  
**Completed:** October 2008  
**Contact:** Jack Miller



**Owner:** Rosetta Resources  
**Crossing:** Wetlands, Bradford Island, CA  
**Length:** 1600 LF  
**Pipe size:** 4" steel (gas line)  
**Completed:** October 2008  
**Contact:** Carl Watley

**Owner:** PG&E (ARB-Contractor)  
**Crossing:** Lincoln, CA  
**Length:** 900 LF  
**Pipe size:** 16" steel (gas line)  
**Completed:** September 2008  
**Contact:** Donny Brown (ARB)

**Owner:** PG&E (MBI-Contractor)  
**Crossing:** Stoney Creek  
**Length:** 3,000 LF (gravel formation)  
**Pipe size:** 6" steel (gas line)  
**Completed:** September 2008  
**Contact:** Gary Smith (MBI)

**Owner:** Chevron (Rockford-Contractor)  
**Crossing:** Livermore, CA (304 VF elevation change)  
**Length:** 1800 LF (rock formation)  
**Pipe size:** 8" steel (jet fuel line)  
**Completed:** October 2007  
**Contact:** Mark Borges (Rockford)

**Owner:** Calpine  
**Crossing:** Oakley Gas Line Relocation  
**Length:** 1200 LF  
**Pipe size:** 8" steel (gas line)  
**Completed:** May 2007  
**Contact:** Chris (Calpine)

**Owner:** City of Modesto (California Trenchless-Contractor)  
**Crossing:** Pipe Reaming (Ream through 24" RCP)  
**Length:** 9,000 LF at various lengths  
**Pipe size:** 30" HDPE (sewer main)  
**Completed:** December 2006  
**Contact:** Mike Jardine (California Trenchless)

**Owner:** City of Dayton (Silverstate Boring-Contractor)  
**Crossing:** 3 crossings under the Carson River  
**Length:** 1,300 LF each  
**Pipe size:** 6", 14", 18" (steel and HDPE)  
**Completed:** May 2006  
**Contact:** Rick Landino (Silverstate Boring)

**Owner:** ABA Energy (A&A Production-Contractor)  
**Crossing:** San Joaquin Ship Channel (Roberts Is. to Rindge Tract.)  
**Length:** 2,300 LF  
**Pipe size:** 6" steel (natural gas)  
**Completed:** November 2005  
**Contact:** John Adams (A&A Production)

**Owner:** ABA Energy (A&A Production-Contractor)  
**Crossing:** Turner Cut (Roberts Is. to Mc Donald Is.)  
**Length:** 1,335 LF  
**Pipe size:** 6" steel (natural gas)  
**Completed:** October 2005  
**Contact:** John Adams (A&A Production)

**Owner:** Cargil Salt  
**Crossing:** Canal near Newark CA  
**Length:** 450 LF  
**Pipe size:** 36" HDPE SDR 17 (water main)  
**Completed:** August 2005  
**Contact:** Pat Mapelli

**Owner:** A&A Production  
**Crossing:** Feather River near Sacramento Int'l Airport  
**Length:** 1,100 LF (gravel and cobble rock formation)  
**Pipe size:** 4" steel (natural gas)  
**Completed:** October 2004  
**Contact:** John Adams (A&A Product)

**Owner:** Delta Gas (A&A Production-Contractor)  
**Crossing:** Sacramento River near Hood  
**Length:** 1,400 LF (soil formation)  
**Pipe size:** 6" steel (natural gas)  
**Completed:** August 2004  
**Contact:** John Adams (A&A Production)

**Owner:** City of Vallejo (California Trenchless-Contractor)  
**Crossing:** Creek near Cordelia, CA  
**Length:** 500 LF (soil formation)  
**Pipe size:** 24" HDPE SDR 17 (water main)  
**Completed:** June 2004  
**Contact:** Mike Jardine (California Trenchless)

**Owner:** Sonoma Water District (Argonot-Contractor)  
**Crossing:** River Road  
**Length:** 300 LF (soil formation)  
**Pipe size:** 12" HDPE SDR 11 (water main)  
**Completed:** April 2004  
**Contact:** Kevin Bechtel

**Owner:** Wickland Pipelines (Rockford-Contractor)  
**Crossing:** Elevated R.R. tracks and levee near Sacramento Int'l Airport  
**Length:** 1,100 LF (gravel formation)  
**Pipe size:** 12" steel (Jet Fuel Line)  
**Completed:** September 2003  
**Contact:** Patrick Rockford

**Owner:** Forexco (A&A Production-Contractor)  
**Crossing:** Eel River, Fortuna  
**Length:** 3,200 LF (rock formation)  
**Pipe size:** 6" steel (natural gas)  
**Completed:** August 2003  
**Contact:** John Adams (A&A Production)

**Owner:** City of Vallejo (Pacific Bay Const.)  
**Crossing:** I-80 near Carquinez Bridge  
**Length:** 647 LF (rock formation)  
**Pipe size:** 20" HDPE SDR 17 (water main)  
**Completed:** May 2003  
**Contact:** June Mallit (City of Vallejo)

**Owner:** PG&E (Muller Pipeliners-General Contractor; J-C Sub-Contractor)  
**Crossing:** Creek in Pleasanton, CA from Tri-Valley Expansion Project  
**Length:** 1080 LF for 2 crossings (gravel formation)  
**Pipe size:** 36" HDPE SDR 17  
**Completed:** April 2003  
**Contact:** Eric Grunman (Muller Pipeliners)

**Owner:** Worldcom S.A.E. General Contractor (J-C Sub-Contractor)  
**Crossing:** Guadalupe River San Jose, CA  
**Length:** 868 LF  
**Pipe size:** 24" HDPE SDR 11  
**Completed:** December 2002  
**Contact:** Jim Lowery (S.A.E.)

**Owner:** Cargill Salt (J-C Contractor)  
**Crossing:** Mowry Slough and Newark Slough in Fremont, CA  
**Length:** 1,550 LF for 3 crossings  
**Pipe size:** 36" HDPE SDR 17  
**Completed:** February 2002  
**Contact:** Pat Mapelli

**Owner:** PG&E (Rockford Corporation-Contractor; J-C Sub-Contractor)  
**Crossing:** Poundstone Road Canal near Arbuckle, CA  
**Length:** 900 LF  
**Pipe size:** 20" Steel Gas Line  
**Completed:** December 2000  
**Contact:** Patrick Rockford

**Owner:** Copenhagen (Brotherton-Contractor; J-C Sub-Contractor)  
**Crossing:** Blue Canyon to Sacramento, CA  
**Length:** 1,000 LF  
**Pipe size:** 8" steel casing  
**Completed:** November 2000

**Owner:** Copenhagen (Brotherton-Contractor; J-C Sub-Contractor)  
**Crossing:** Blue Canyon to Sacramento, CA  
**Length:** 2,783 LF (2,183 LF in dirt, 600 LF in solid rock)  
**Pipe size:** 8" steel casing  
**Completed:** September 2000

**Owner:** Copenhagen (Brotherton-Contractor; J-C Sub-Contractor)  
**Crossing:** Blue Canyon to Sacramento, CA  
**Length:** 1,640 LF (80 LF in dirt, 1,560 LF in solid rock)  
**Pipe size:** 8" steel casing  
**Completed:** August 2000

**Owner:** Copenhagen (Brotherton-Contractor; J-C Sub-Contractor)  
**Crossing:** Blue Canyon to Sacramento, CA  
**Length:** 1,300 LF (300 LF in dirt, 1,000 LF in solid rock)  
**Pipe size:** 8" steel casing  
**Completed:** June 2000

**Owner:** NW National (J-C 1/2 Owner, John Coughran Supt. of RDD, sub to Rockford Corp)  
**Crossing:** Nehalem River and other streams- 8 total  
**Length:** 16,000 LF for 8 crossings -2,800 LF longest (solid rock)  
**Pipe size:** 24" x .374 wt. (carbon welded steel)  
**Completed:** November 1999  
**Contact:** Rob Gullberg

**Owner:** Pacific Fiber Link (J-C 1/2 Owner, John Coughran Supt. of RDD, sub to Rockford Corp)  
**Crossing:** Three river and steam crossings in Washington  
**Length:** 2,700 LF total (rock and cobble)  
**Pipe size:** 8" and 10"  
**Completed:** February 1999  
**Contact:** Al Kitchens

**Owner:** City of Hollister (J-C sub to California Trenchless)  
**Crossing:** San Benito River, California  
**Length:** 1,015 LF each  
**Pipe size:** 14", 20", and 24" HDPE sewer lines bored at 15' apart  
**Completed:** December 1998  
**Contact:** Harris & Associates Engineering

**Owner:** Calpine (J-C sub to AA)  
**Crossing:** Sacramento River, California  
**Length:** 1,047 LF  
**Pipe Size:** 12" welded carbon steel  
**Completed:** September 1998

**Owner:** Wild Goose Storage, Inc. (J-C sub to Rockford, John Coughran 100% Owner and Supt.)  
**Crossing:** Irrigation canals, roads, and wetlands in California  
**Length:** 3,500 LF total length of 7 crossings  
**Pipe size:** 18" welded carbon steel  
**Completed:** August 1998  
**Contact:** Jim Young (Raytheon)