

DCA-08-MR-009
Metrolink – UP Collision
Chatsworth, CA
September 12, 2008

ATTACHMENT 4

Intermediate Westbound Signal 4451
Recorded Data

445 INTREMIATES.TXT

09/13 16:49:36	WP,	/,	5	8in,	5	out	WP,	/,	1	in,	5	8out
09/13 16:49:36	WP,	/,	5	8in,	5	out	WP,	/,		in,	5	8out
09/13 16:49:20	WP,	Y/R,	5	8in,	5	out	WP,	R/R,		in,	5	8out
09/13 16:49:18	WP,	Y/R,	5	8in,	5	out	WP,	R/R,		in,	5	out
09/13 16:49:17	WP,	Y/R,	5	8in,	5	8out	WP,	R/R,		in,	5	out
09/13 16:49:17	WP,	Y/R,	5	8in,	5	8out	WP,	R/R,	5	8in,	5	out
09/13 16:45:07	WP,	/,	5	8in,	5	8out	WP,	/,	5	8in,	5	out
09/13 16:45:04	WP,	/,	1	8in,	5	8out	WP,	/,	5	8in,	5	out
09/13 16:45:01	WP,	/,	1	in,	5	8out	WP,	/,	5	8in,	5	out
09/13 16:45:01	WP,	/,		in,	5	8out	WP,	/,	5	8in,	5	out
09/13 16:43:55	WP,	R/R,		in,	5	8out	WP,	Y/R,	5	8in,	5	out
09/13 16:43:54	WP,	R/R,	1	in,	5	8out	WP,	Y/R,	5	8in,	5	out
09/13 16:43:50	WP,	/,	1	in,	5	8out	WP,	/,	5	8in,	5	out
09/12 16:32:08	WP,	/,	5	8in,	5	8out	WP,	/,	5	8in,	5	out
09/12 16:26:06	WP,	/,	5	in,	5	8out	WP,	/,	5	8in,	5	out
09/12 16:26:05	WP,	/,	5	in,	5	8out	WP,	/,	5	8in,	5	8out
09/12 16:25:52	LS WP,	/,	5	in,	5	out	WP,	/,	5	8in,	5	8out
09/12 16:25:46	LS WP,	/,	1	in,	5	out	WP,	/,	5	8in,	5	8out
09/12 16:25:46	LS WP,	/,		in,	5	out	WP,	/,	5	8in,	5	8out
09/12 16:22:34	LS WP,	R/R,		in,	5	out	WP,	R/R,	5	8in,	5	8out
09/12 16:22:32	LS WP,	R/R,		in,	5	out	WP,	R/R,	5	in,	5	8out
09/12 16:22:31	LS WP,	R/R,		in,	5	out	WP,	R/R,	1	in,	5	8out
09/12 16:22:19	LS WP,	R/R,		in,	5	out	WP,	R/R,		in,	5	8out
09/12 16:22:19	WP,	R/R,	5	8in,	5	out	WP,	R/R,		in,	5	8out
09/12 16:21:30	WP,	Y/R,	5	8in,	5	out	WP,	R/R,		in,	5	8out
09/12 16:21:29	WP,	Y/R,	5	8in,	5	out	WP,	R/R,		in,	5	4out
09/12 16:21:29	WP,	Y/R,	5	8in,	5	out	WP,	R/R,	5	in,	5	4out
09/12 16:08:59	WP,	/,	5	8in,	5	out	WP,	/,	5	in,	5	4out
09/12 16:08:58	WP,	/,	5	8in,	5	8out	WP,	/,	5	in,	5	4out
09/12 16:08:57	WP,	/,	5	8in,	5	8out	WP,	/,	5	in,	5	out
09/12 16:06:45	WP,	/,	5	8in,	5	8out	WP,	/,	5	8in,	5	out
09/12 16:06:19	RS WP,	/,	5	8in,	5	8out	WP,	/,	5	in,	5	out
09/12 16:06:19	RS WP,	/,	5	8in,	5	8out	WP,	/,	1	in,	5	out
09/12 16:06:18	RS WP,	/,	5	8in,	5	8out	WP,	/,		in,	5	out
09/12 16:05:29	RS WP,	R/R,	5	8in,	5	8out	WP,	R/R,		in,	5	out
09/12 16:05:24	RS WP,	R/R,	1	8in,	5	8out	WP,	R/R,		in,	5	out
09/12 16:05:20	RS WP,	R/R,	1	in,	5	8out	WP,	R/R,		in,	5	out
09/12 16:05:03	RS WP,	R/R,		in,	5	8out	WP,	R/R,		in,	5	out
09/12 16:05:02	WP,	R/R,		in,	5	8out	WP,	R/R,	5	7in,	5	out
09/12 16:01:09	WP,	R/R,		in,	5	8out	WP,	G/R,	5	7in,	5	out
09/12 16:01:07	WP,	R/R,		in,	5	7out	WP,	G/R,	5	7in,	5	out
09/12 16:01:07	WP,	R/R,	5	in,	5	7out	WP,	G/R,	5	7in,	5	out
09/12 15:49:07	WP,	/,	5	in,	5	7out	WP,	/,	5	7in,	5	out
09/12 15:49:05	WP,	/,	5	in,	5	7out	WP,	/,	5	7in,	5	4out
09/12 15:49:05	WP,	/,	5	in,	5	out	WP,	/,	5	7in,	5	4out
09/12 15:49:00	WP,	/,	5	8in,	5	out	WP,	/,	5	7in,	5	4out
09/12 15:48:58	WP,	/,	5	8in,	5	out	WP,	/,	5	7in,	5	8out
09/12 15:48:57	LS WP,	/,	5	8in,	5	out	WP,	/,	5	7in,	5	8out
09/12 15:48:45	LS WP,	/,	5	in,	5	out	WP,	/,	5	7in,	5	8out
09/12 15:48:36	LS WP,	/,	1	in,	5	out	WP,	/,	5	7in,	5	8out
09/12 15:48:36	LS WP,	/,		in,	5	out	WP,	/,	5	7in,	5	8out
09/12 15:43:22	LS WP,	R/R,		in,	5	out	WP,	R/R,	5	7in,	5	8out
09/12 15:43:20	LS WP,	R/R,		in,	5	out	WP,	R/R,	5	in,	5	8out
09/12 15:43:19	LS WP,	R/R,		in,	5	out	WP,	R/R,	1	in,	5	8out
09/12 15:43:04	LS WP,	R/R,		in,	5	out	WP,	R/R,		in,	5	8out
09/12 15:43:03	WP,	R/R,	5	7in,	5	out	WP,	R/R,		in,	5	8out
09/12 15:42:15	WP,	G/R,	5	7in,	5	out	WP,	R/R,		in,	5	8out
09/12 15:42:14	WP,	G/R,	5	7in,	5	out	WP,	R/R,		in,	5	7out
09/12 15:42:14	WP,	G/R,	5	7in,	5	out	WP,	R/R,	5	in,	5	7out
09/12 15:33:26	WP,	/,	5	7in,	5	out	WP,	/,	5	in,	5	7out
09/12 15:33:24	WP,	/,	5	7in,	5	out	WP,	/,	5	in,	5	4out
09/12 15:13:59	WP,	/,	5	8in,	5	out	WP,	/,	5	in,	5	4out
09/12 15:13:57	WP,	/,	5	8in,	5	8out	WP,	/,	5	in,	5	4out
09/12 15:13:57	WP,	/,	5	8in,	5	8out	WP,	/,	5	in,	5	out
09/12 14:59:23	WP,	/,	5	8in,	5	8out	WP,	/,	5	8in,	5	out
09/12 14:58:57	RS WP,	/,	5	8in,	5	8out	WP,	/,	5	in,	5	out

- 1 - TK
- 2 - Y/R
- 3 - Y/A
- 4 - Y/R
- 5 - Block
- 6 - Tumble Down
- 7 - Green
- 8 - Y/R

Lassen

INTERMEDIATE SIGNAL 4451

To page 2AT 1AT Bernson
 EC LEFT OOOO EC RIGHT
 4451 4452

Note: Time offset Recorder Download at 8:56:40 on September 13th shows 8:00 PM on September 13th in recorder log. 16:00 on the 12th would be recorded as 16:03 on the 12th. Times read from bottom to top

	-----Left-----	-----Right-----
09/13 16:43:54	WP, R/R, 1 in, 5 8out	WP, Y/R, 5 8in, 5 out
09/13 16:43:50	WP, /, 1 in, 5 8out	WP, /, 5 8in, 5 out
09/12 16:32:08	WP, /, 5 8in, 5 8out	WP, /, 5 8in, 5 out
Presence of code 8 indicates 111 has left the OS and the 6 minute locking time has expired. Approximate time 16:29		
09/12 16:26:06	WP, /, 5 in, 5 8out	WP, /, 5 8in, 5 out
09/12 16:26:05	WP, /, 5 in, 5 8out	WP, /, 5 8in, 5 8out
09/12 16:25:52	LS WP, /, 5 in, 5 out	WP, /, 5 8in, 5 8out
09/12 16:25:46	LS WP, /, 1 in, 5 out	WP, /, 5 8in, 5 8out
09/12 16:25:46	LS WP, /, in, 5 out	WP, /, 5 8in, 5 8out
09/12 16:22:34	LS WP, R/R, in, 5 out	WP, R/R, 5 8in, 5 8out
09/12 16:22:32	LS WP, R/R, in, 5 out	WP, R/R, 5 in, 5 8out
09/12 16:22:31	LS WP, R/R, in, 5 out	WP, R/R, 1 in, 5 8out
09/12 16:22:19	LS WP, R/R, in, 5 out	WP, R/R, in, 5 8out
09/12 16:22:19	WP, R/R, 5 8in, 5 out	WP, R/R, in, 5 8out
111 passes intermediate 4451 Approximate time 16:19		
09/12 16:21:30	WP, Y/R, 5 8in, 5 out	WP, R/R, in, 5 8out
09/12 16:21:29	WP, Y/R, 5 8in, 5 out	WP, R/R, in, 5 4out
09/12 16:21:29	WP, Y/R, 5 8in, 5 out	WP, R/R, 5 in, 5 4out
Lassen St intermediate 4451 displays Y/R Approximate time 16:18		
09/12 16:08:59	WP, /, 5 8in, 5 out	WP, /, 5 in, 5 4out
09/12 16:08:58	WP, /, 5 8in, 5 8out	WP, /, 5 in, 5 4out
09/12 16:08:57	WP, /, 5 8in, 5 8out	WP, /, 5 in, 5 out