

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
16EV185	CAL	0.25	INV	UNT	ALL	NAT						4912	Calaveras Dome	
16EV191	CAL	0.13	INV	UNT	ATV	NAT	ATV			ATV	ATV	4912	Calaveras Dome	
17EV130	CAL	0.81	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV272	CAL	0.29	INV	UNT	ALL	NAT						4914	Liberty Hill	
17EV274	CAL	0.54	INV	UNT	MC	NAT						4911	Tamarack	CL
17EV275	CAL	0.01	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
17EV275	CAL	0.02	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV278	CAL	1.06	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
17EV279	CAL	1.08	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
17EV280	CAL	0.48	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV307	CAL	0.09	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	
18EV05	CAL	1.06	INV	UNT	ATV	NAT						4911	Tamarack	
18EV286	CAL	0.39	INV	UNT	ATV	NAT	ATV			ATV	ATV	4911	Tamarack	
18EV287	CAL	1.34	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
18EV288	CAL	1.96	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
18EV288A	CAL	0.07	INV	UNT	MC	NAT						4911	Tamarack	
18EV289	CAL	0.53	INV	UNT	ALL	NAT				4WD		4911	Tamarack	
18EV291	CAL	0.17	INV	UNT	ALL	NAT						4911	Tamarack	
18EV292	CAL	0.08	INV	UNT	ALL	NAT	4WD			ALL	4WD	4911	Tamarack	
18EV293	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV295	CAL	0.30	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV295A	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV295A	CAL	0.06	INV	UNT	ALL	NAT						4911	Tamarack	
18EV296	CAL	1.78	INV	UNT	ALL	NAT						4911	Tamarack	CL
18EV297	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV298	CAL	0.18	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV299	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV300	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV301	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV303	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV110	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV111	CAL	0.32	INV	UNT	ALL	NAT	4WD			4WD		5063	Pacific Valley	CL
19EV111A	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV112	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
19EV113	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV100	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV101A	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
61501F	CAL	0.07	GIS	UNR		NAT						4921	Garnet Hill	
61602E	CAL	0.23	GIS	UNR	ALL	NAT				4WD		4912	Calaveras Dome	
61618A	CAL	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4924	Dorrington	
FR10176	CAL	0.09	MAP	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR13409	CAL	0.46	GIS	UNR		NAT						4751	Stanislaus	
FR14617	CAL	0.04	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4912	Calaveras Dome	
FR8437	CAL	0.13	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4901	Dardanelles Cone	
FR8784	CAL	0.07	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9084	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR9090	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	
FR9438	CAL	0.10	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9439	CAL	0.16	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9440	CAL	0.04	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9441	CAL	0.18	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4911	Tamarack	
FR9501	CAL	0.09	MAP	UNR	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98607	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4924	Dorrington	DC access
FR98622	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98623	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98624	CAL	0.20	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98625	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98627	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98630	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4914	Liberty Hill	DC access
FR98631	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4914	Liberty Hill	DC access
FR98633	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD		4921	Garnet Hill	DC access
FR98634	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4921	Garnet Hill	DC access
FR98636	CAL	0.11	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98637	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98638	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98639	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98643	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98644	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98646	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98647	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98660	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98661	CAL	0.12	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98662	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
FR98663	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
11806A	GR	0.71	GIS	UNR		NAT						4571	Duckwall Mt	
11807G	GR	0.08	GIS	UNR		NAT						4571	Duckwall Mt	
11808B	GR	0.03	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
11908M	GR	0.13	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
17EV166	GR	0.41	INV	UNT	ATV	NAT						4392	Coulterville	
17EV167	GR	0.08	INV	UNT	ATV	NAT						4392	Coulterville	
17EV168	GR	0.09	INV	UNT	ATV	NAT						4392	Coulterville	
17EV169	GR	0.07	INV	UNT	ATV	NAT						4392	Coulterville	
17EV170	GR	0.19	INV	UNT	ATV	NAT						4392	Coulterville	
17EV171	GR	0.12	INV	UNT	ATV	NAT						4392	Coulterville	
17EV172	GR	0.09	INV	UNT	ATV	NAT						4392	Coulterville	
17EV173	GR	0.01	INV	UNT	ATV	NAT						4392	Coulterville	
17EV173	GR	0.08	INV	UNT	ATV	NAT						4392	Coulterville	
17EV174	GR	0.03	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV175	GR	0.08	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV176	GR	0.19	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV177	GR	0.03	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV178	GR	0.03	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV179	GR	0.13	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV180	GR	0.09	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV181	GR	0.46	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV182	GR	1.62	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV183	GR	0.64	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV184	GR	0.60	INV	UNT	MC	NAT	MC			MC		4391	Buckhorn Peak	CL
17EV187	GR	0.11	INV	UNT	ALL	NAT						4391	Buckhorn Peak	
17EV189	GR	0.32	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV192	GR	0.63	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192A	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192B	GR	0.15	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV193	GR	0.06	INV	UNT	ATV	NAT						4574	Jawbone Ridge	
17EV194	GR	0.39	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV195	GR	0.50	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	CL
17EV196	GR	0.19	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.35	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.46	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	CL
17EV197A	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV317	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV318	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV319	GR	0.21	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV320	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV321	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV322	GR	0.04	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV323	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV324	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV325	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV326	GR	0.02	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV327	GR	0.30	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV328	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV329	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV330	GR	0.10	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV331	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV332	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV901	GR	0.37	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV902	GR	0.09	INV	UNT	ATV	NAT							4574	Jawbone Ridge	
17EV903	GR	0.26	INV	UNT	ATV	NAT							4574	Jawbone Ridge	
18EV263	GR	0.29	INV	UNT	ALL	NAT							4391	Buckhorn Peak	
18EV264	GR	0.73	INV	UNT	ALL	NAT							4391	Buckhorn Peak	
18EV265	GR	0.33	INV	UNT	ALL	NAT							4391	Buckhorn Peak	
18EV266	GR	0.09	INV	UNT	ATV	NAT							4391	Buckhorn Peak	
18EV268	GR	0.51	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
18EV269	GR	0.16	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
18EV34	GR	1.27	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
1N1829	GR	0.08	MAP	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
1S1636A	GR	0.50	MAP	UNT		NAT							4573	Groveland	
1S1636B	GR	0.80	MAP	UNT		NAT							4573	Groveland	
1S1727	GR	0.87		UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S1728	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
1S1731	GR	0.08	MAP	UNT		NAT							4573	Groveland	
1S1734A	GR	0.86	MAP	UNT	ALL	NAT				4WD			4574	Jawbone Ridge	
1S1734B	GR	0.12	MAP	UNT		NAT							4574	Jawbone Ridge	
1S1736	GR	0.46	MAP	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S17E35B	GR	0.34	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S17M	GR	1.13	MAP	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S1809A	GR	0.08	MAP	UNT		NAT							4574	Jawbone Ridge	
1S1809B	GR	0.07	MAP	UNT		NAT							4563	Ascension Mt	
1S1811	GR	0.56	MAP	UNT	ALL	NAT				4WD			4563	Ascension Mt	DC access
1S1822A	GR	0.12	MAP	UNT		NAT							4563	Ascension Mt	
1S1822B	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1822C	GR	0.31	MAP	UNT	ALL	NAT				4WD			4563	Ascension Mt	DC access
1S1822C	GR	0.31	MAP	UNT		NAT							4563	Ascension Mt	
1S1823	GR	0.35	MAP	UNT		NAT							4563	Ascension Mt	
1S1824	GR	0.36	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	
1S1826	GR	0.16	MAP	UNT		NAT							4563	Ascension Mt	
1S1902	GR	0.24	MAP	UNT	ALL	NAT	4WD			4WD			4561	Lake Eleanor	DC access
1S1907A	GR	0.39	MAP	UNT	ALL	NAT				4WD			4563	Ascension Mt	
1S1907B	GR	0.96	MAP	UNT		NAT							4563	Ascension Mt	
1S1908	GR	0.26	MAP	UNT		NAT							4563	Ascension Mt	
1S1909	GR	0.25	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1913	GR	0.72	MAP	UNT	ALL	NAT				ALL			4564	Ackerson Mt	
1S1914A	GR	0.15	MAP	UNT		NAT							4564	Ackerson Mt	
1S1914B	GR	0.08	MAP	UNT		NAT							4564	Ackerson Mt	
1S1919	GR	0.25	MAP	UNT		NAT							4563	Ascension Mt	
1S1920	GR	0.81	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	
1S1922A	GR	0.29	GIS	UNR		NAT							4564	Ackerson Mt	
1S1922D	GR	0.36	GIS	UNR		NAT							4564	Ackerson Mt	
1S1928A	GR	0.14	GIS	UNR		NAT							4563	Ascension Mt	
1S1929	GR	0.15	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1929C	GR	0.19	GIS	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1930	GR	1.69	MAP	UNT	ALL	NAT	ALL			ALL	ALL		4563	Ascension Mt	
1S1933	GR	0.37	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1933A	GR	0.22	GPS	UNT		NAT							4563	Ascension Mt	
21812C	GR	0.16	GIS	UNR		NAT							4733	Cherry Lake N	
21814M	GR	0.12	GIS	UNR		NAT							4733	Cherry Lake N	
21814N	GR	0.09	GIS	UNR		NAT							4733	Cherry Lake N	
2N1820	GR	0.34	MAP	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
2N1905	GR	0.25	MAP	UNT	ALL	NAT	ALL			ALL	ALL		4733	Cherry Lake N	
2S1602	GR	1.39	MAP	UNT	ALL	NAT							4573	Groveland	
2S1702	GR	0.15	MAP	UNT		NAT							4574	Jawbone Ridge	
2S1712	GR	0.30	MAP	UNT		NAT							4574	Jawbone Ridge	CL
2S1714	GR	0.22	MAP	UNT		NAT							4574	Jawbone Ridge	
2S1729	GR	0.41	MAP	UNT		NAT							4391	Buckhorn Peak	
2S1804	GR	0.94	MAP	UNT	ATV	NAT	ATV			ATV			4563	Ascension Mt	
2S1815	GR	0.51	MAP	UNT		NAT							4563	Ascension Mt	
2S1906	GR	0.42	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
2S1929	GR	0.11	MAP	UNT		NAT							4382	Kinsley	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
2S2029	GR	0.15	MAP	UNT		NAT							4381	El Portal	CL
EV3635	GR	0.19	INV	UNT		NAT							4391	Buckhorn Peak	
FR10173	GR	0.07	MAP	UNR		NAT							4382	Kinsley	
FR10178	GR	0.64	MAP	UNR	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	
FR10185	GR	0.22	MAP	UNR		NAT							4391	Buckhorn Peak	
FR10200	GR	0.37	MAP	UNT	ALL	NAT				ALL			4391	Buckhorn Peak	
FR10738	GR	0.19	MAP	UNR		NAT							4563	Ascension Mt	
FR14721	GR	0.12	MAP	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	
FR14878	GR	0.56	MAP	UNR		NAT							4563	Ascension Mt	
FR2990	GR	0.28	MAP	UNR		NAT							4563	Ascension Mt	
FR4221	GR	0.11	MAP	UNR		NAT							4571	Duckwall Mt	
FR4688	GR	0.73	MAP	UNR	ALL	NAT	ALL			ALL	ALL		4574	Jawbone Ridge	
FR5034	GR	0.23	MAP	UNR	ALL	NAT							4574	Jawbone Ridge	
FR5230	GR	0.57	MAP	UNR		NAT							4563	Ascension Mt	
FR5316	GR	0.13	MAP	UNR		NAT							4563	Ascension Mt	
FR5320	GR	0.20	MAP	UNR		NAT							4563	Ascension Mt	
FR5473	GR	0.23	MAP	UNR		NAT							4563	Ascension Mt	
FR5540	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR5819	GR	0.27	MAP	UNR		NAT							4562	Cherry Lake S	
FR5821	GR	0.28	MAP	UNR		NAT							4561	Lake Eleanor	
FR6349	GR	0.22	MAP	UNR		NAT							4563	Ascension Mt	
FR6468	GR	0.02	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6468	GR	0.04	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6468	GR	0.18	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6550	GR	2.27	MAP	UNR	ALL	NAT	ALL			ALL			4573	Groveland	CL
FR7356	GR	0.11	MAP	UNR		NAT							4563	Ascension Mt	
FR7590	GR	0.36	MAP	UNR		NAT							4574	Jawbone Ridge	
FR7606	GR	0.24	MAP	UNR	ALL	NAT							4563	Ascension Mt	
FR7955	GR	0.15	MAP	UNR		NAT							4562	Cherry Lake S	
FR8165	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR8174	GR	0.25	MAP	UNR		NAT							4564	Ackerson Mt	
FR83630	GR	0.21	INV	UNR	ALL	NAT				ALL			4744	Hull Creek	
FR8434	GR	0.19	MAP	UNR		NAT							4562	Cherry Lake S	
FR8472	GR	0.18	MAP	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR8516	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR8531	GR	0.25	MAP	UNR		NAT							4562	Cherry Lake S	
FR8601	GR	0.47	MAP	UNR	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR8612	GR	0.16	MAP	UNR		NAT							4563	Ascension Mt	
FR8762	GR	0.13	MAP	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR8843	GR	0.86	MAP	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR8844	GR	0.64	MAP	UNR	ALL	NAT							4391	Buckhorn Peak	
FR8986	GR	0.51	MAP	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR8989	GR	0.26	MAP	UNR		NAT							4562	Cherry Lake S	
FR9140	GR	0.04	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR9359	GR	0.13	MAP	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	
FR9374	GR	0.56	MAP	UNR		NAT							4563	Ascension Mt	
FR9377	GR	0.52	MAP	UNR		NAT							4563	Ascension Mt	
FR9380	GR	0.11	MAP	UNR		NAT							4563	Ascension Mt	
FR9575	GR	0.18	MAP	UNR	ALL	NAT							4563	Ascension Mt	
FR9584	GR	0.23	MAP	UNR		NAT							4563	Ascension Mt	
FR9712	GR	0.03	MAP	UNR		NAT							4563	Ascension Mt	
FR9723	GR	0.12	MAP	UNR		NAT							4563	Ascension Mt	
FR9730	GR	0.10	MAP	UNR		NAT							4563	Ascension Mt	
FR9734	GR	0.20	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9778	GR	0.37	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9782	GR	0.10	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9784	GR	0.09	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9794	GR	0.21	MAP	UNR		NAT							4574	Jawbone Ridge	
FR98472	GR	0.67	MAP	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98476	GR	0.50	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98477	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98479	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98481	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98482	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98483	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98484	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98485	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98486	GR	0.21	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98488	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98491	GR	0.19	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98492	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98493	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98494	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98495	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98496	GR	0.28	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98501	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98502	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98503	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98504	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98506	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98507	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98508	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98509	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98510	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98511	GR	0.15	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98513	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98514	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98515	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98520	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98522	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98523	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98524	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98529	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98530	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98531	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98533	GR	0.10	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98535	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98537	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98538	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98539	GR	0.10	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98540	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4561	Lake Eleanor	DC access
FR98541	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98544	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98545	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98546	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98547	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98548	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98549	GR	0.39	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98550	GR	0.17	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98551	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98552	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98553	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98554	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98555	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98560	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98563	GR	0.86	INV	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98566	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98575	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4573	Groveland	DC access
FR98577	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4561	Lake Eleanor	DC access
FR98580	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98581	GR	0.11	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98582	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98583	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98584	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98585	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98586	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98587	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98591	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98592	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98593	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98670	GR	0.20	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98671	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98672	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98674	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98675	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98676	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FS08490	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
22	MW	0.08	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
11715A	MW	0.52	MAP	UNR	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
11719A	MW	0.11	GIS	UNR		NAT						4572	Tuolumne	
11735A	MW	0.07	GIS	UNR		NAT						4571	Duckwall Mt	
15EV38	MW	0.60	INV	UNT	ALL	NAT	ALL			ALL	ALL	4754	Columbia SE	
15EV43A	MW	0.08	INV	UNT	ALL	NAT						4753	Columbia	CL
15EV43B	MW	0.14	INV	UNT	ALL	NAT						4753	Columbia	CL
15EV43C	MW	0.69	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
15EV43D	MW	0.88	INV	UNT	ALL	NAT						4754	Columbia SE	CL
15EV43E	MW	0.41	INV	UNT	ALL	NAT						4753	Columbia	CL
15EV43F	MW	0.19	INV	UNT	ALL	NAT						4753	Columbia	CL
15EV43G	MW	0.51	INV	UNT	ALL	NAT	4WD			4WD		4753	Columbia	DC access
15EV46	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47	MW	0.12	INV	UNT	ATV	NAT						4754	Columbia SE	CL
15EV47	MW	0.63	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47A	MW	0.12	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV48	MW	0.64	INV	UNT	MC	NAT	MC			MC		4754	Columbia SE	CL
15EV54	MW	0.18	INV	UNT	ALL	NAT	ALL			ALL		4754	Columbia SE	CL
16E182	MW	0.19	GIS	UNT	ALL	NAT						4571	Duckwall Mt	
16E182	MW	0.27	GIS	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
16E182A	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
16E183	MW	1.26	GIS	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	
16EV01	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
16EV01	MW	0.81	INV	UNT	ALL	NAT						4743	Twain Harte	CL
16EV101	MW	1.90	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV106	MW	1.50	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV108	MW	0.74	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV109	MW	0.61	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV109	MW	1.14	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV110	MW	1.15	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV111	MW	0.44	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV112	MW	0.17	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV115	MW	2.40	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV116	MW	0.21	INV	UNT	ALL	NAT						4743	Twain Harte	
16EV117	MW	0.21	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV117	MW	1.24	INV	UNT	MC	NAT						4742	Crandall Peak	
16EV123	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV124	MW	0.15	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV133	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV136	MW	1.19	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV137	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV141	MW	0.87	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV152	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV152	MW	0.56	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV154	MW	1.13	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV155	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	CL
16EV160	MW	1.31	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV17	MW	0.11	INV	UNT	ALL	NAT						4743	Twain Harte	CL
16EV176	MW	0.04	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV176	MW	0.50	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV177	MW	0.27	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV178	MW	0.66	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
16EV18	MW	0.26	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV193	MW	0.21	INV	UNT	ATV	NAT							4743	Twain Harte	CL
16EV194	MW	0.31	INV	UNT	ATV	NAT							4743	Twain Harte	CL
16EV195	MW	0.21	INV	UNT	MC	NAT							4743	Twain Harte	CL
16EV196	MW	0.32	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV197	MW	0.04	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV198	MW	0.15	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV201	MW	0.95	INV	UNT	ATV	NAT							4754	Columbia SE	CL
16EV201A	MW	0.23	INV	UNT	ATV	NAT							4754	Columbia SE	CL
16EV202	MW	0.27	INV	UNT	ALL	NAT							4754	Columbia SE	CL
16EV203	MW	0.04	INV	UNT	ATV	NAT							4754	Columbia SE	
16EV204	MW	0.06	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV205	MW	0.02	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV206	MW	0.01	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV206	MW	0.11	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV206	MW	0.35	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV207	MW	0.03	INV	UNT	MC	NAT				MC			4754	Columbia SE	CL
16EV209	MW	0.14	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	CL
16EV210	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV211	MW	0.08	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV212	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV213	MW	0.06	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV214	MW	0.16	INV	UNT	MC	NAT							4743	Twain Harte	
16EV215	MW	0.11	INV	UNT	MC	NAT							4743	Twain Harte	
16EV216	MW	0.06	INV	UNT	MC	NAT							4743	Twain Harte	
16EV217	MW	0.20	INV	UNT	MC	NAT							4743	Twain Harte	
16EV219	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV220	MW	0.04	INV	UNT	MC	NAT							4743	Twain Harte	
16EV221	MW	0.26	INV	UNT	MC	NAT							4743	Twain Harte	
16EV222	MW	0.31	INV	UNT	MC	NAT				MC			4743	Twain Harte	
16EV223	MW	1.35	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV229	MW	0.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV230	MW	0.78	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV231	MW	0.06	INV	UNT	MC	NAT							4743	Twain Harte	
16EV232	MW	0.29	INV	UNT	MC	NAT							4743	Twain Harte	
16EV233	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV234	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV235	MW	0.07	INV	UNT	MC	NAT							4743	Twain Harte	
16EV236	MW	0.96	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV237	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV239	MW	0.20	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV240	MW	0.11	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV241	MW	0.27	INV	UNT	MC	NAT							4743	Twain Harte	
16EV243	MW	0.31	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV244	MW	0.49	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV247	MW	0.17	INV	UNT	MC	NAT							4742	Crandall Peak	
16EV247	MW	0.68	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV248	MW	0.93	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV249	MW	0.28	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV251	MW	0.32	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV252	MW	0.21	INV	UNT	MC	NAT							4743	Twain Harte	
16EV253	MW	0.89	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV254	MW	0.51	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV255	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV256	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4742	Crandall Peak	
16EV257	MW	1.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV257A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV258	MW	0.09	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV258	MW	0.47	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV259	MW	0.09	INV	UNT	MC	NAT				MC	MC		4743	Twain Harte	
16EV259	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV259A	MW	0.17	MAP	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV260	MW	0.24	INV	UNT	MC	NAT							4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
16EV262	MW	0.09	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV263	MW	0.02	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV264	MW	0.31	INV	UNT	MC	NAT							4743	Twain Harte	CL
16EV265	MW	0.12	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV266	MW	0.21	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV266	MW	0.21	INV	UNT	MC	NAT							4743	Twain Harte	
16EV266A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV267	MW	0.18	INV	UNT	MC	NAT							4742	Crandall Peak	
16EV267	MW	0.27	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV268	MW	0.38	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV269	MW	0.22	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV272	MW	0.53	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV273	MW	0.19	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV275	MW	0.08	INV	UNT	MC	NAT							4743	Twain Harte	
16EV276	MW	0.04	INV	UNT	MC	NAT							4743	Twain Harte	
16EV289	MW	0.18	INV	UNT	ALL	NAT							4742	Crandall Peak	
16EV290	MW	0.09	INV	UNT	ALL	NAT							4742	Crandall Peak	
16EV291	MW	0.06	INV	UNT	ALL	NAT							4742	Crandall Peak	
16EV292	MW	0.14	INV	UNT	ALL	NAT	4WD			4WD			4742	Crandall Peak	DC access
16EV296	MW	0.36	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV298	MW	0.13	INV	UNT	MC	NAT							4742	Crandall Peak	
16EV299	MW	0.40	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV299B	MW	0.26	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV300	MW	0.06	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV302	MW	0.31	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV303	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV304	MW	0.09	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV305	MW	0.54	INV	UNT	MC	NAT	PER			PER	PER		4742	Crandall Peak	
16EV306	MW	0.16	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV307	MW	0.13	INV	UNT		NAT							4743	Twain Harte	
16EV308	MW	0.47	INV	UNT		NAT							4743	Twain Harte	
16EV309	MW	0.62	GPS	UNT		NAT							4743	Twain Harte	CL
16EV310	MW	0.06	INV	UNT		NAT							4743	Twain Harte	CL
16EV311	MW	0.35	INV	UNT		NAT							4743	Twain Harte	
16EV312	MW	0.14	INV	UNT		NAT							4743	Twain Harte	
16EV313	MW	0.15	INV	UNT		NAT							4743	Twain Harte	
16EV314	MW	0.03	INV	UNT		NAT							4743	Twain Harte	
16EV314	MW	0.24	INV	UNT		NAT							4743	Twain Harte	
16EV315	MW	0.11	INV	UNT		NAT							4743	Twain Harte	
16EV316	MW	0.08	INV	UNT		NAT							4743	Twain Harte	
16EV317	MW	0.18	INV	UNT		NAT							4743	Twain Harte	
16EV317	MW	0.23	INV	UNT		NAT							4743	Twain Harte	
16EV318	MW	0.45	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV323	MW	0.12	INV	UNT		NAT							4743	Twain Harte	
16EV54	MW	2.36	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV62	MW	0.19	INV	UNT		NAT							4743	Twain Harte	
16EV78	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV79	MW	0.61	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV79	MW	0.85	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV81	MW	0.54	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV81A	MW	0.09	INV	UNT	ATV	NAT							4743	Twain Harte	
17E214	MW	0.83	INV	UNT		NAT							4741	Strawberry	
17E216	MW	0.89	INV	UNT		NAT							4741	Strawberry	
17EV10	MW	1.69	INV	UNT	MC	NAT							4744	Hull Creek	
17EV101	MW	1.06	INV	UNT	MC	NAT				MC			4742	Crandall Peak	CL
17EV104	MW	0.87	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV11	MW	0.48	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	
17EV11	MW	0.91	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV117	MW	0.55	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV117	MW	0.57	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV118	MW	1.37	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV12	MW	0.83	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV120	MW	0.11	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
17EV121	MW	0.50	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.05	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.29	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV14	MW	0.74	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV15	MW	0.35	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV153	MW	0.25	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV153	MW	0.31	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV155	MW	0.35	INV	UNT	ATV	NAT						4744	Hull Creek	
17EV156	MW	0.11	INV	UNT	ALL	NAT						4744	Hull Creek	
17EV157	MW	0.11	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV158	MW	0.05	INV	UNR	ALL	NAT						4744	Hull Creek	
17EV159	MW	0.43	INV	UNR	ALL	NAT						4744	Hull Creek	
17EV15B	MW	0.79	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV160	MW	0.15	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV161	MW	0.21	INV	UNT	ATV	NAT						4744	Hull Creek	
17EV162	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV202	MW	0.38	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
17EV203	MW	0.05	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV205	MW	0.25	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
17EV210	MW	1.09	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
17EV210A	MW	0.32	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV212	MW	1.19	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV220	MW	0.33	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV220B	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV221	MW	0.01	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV224	MW	0.11	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV225	MW	0.11	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV226	MW	0.49	INV	UNT	ALL	NAT						4743	Twain Harte	CL
17EV226A	MW	0.02	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV227	MW	0.68	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV227A	MW	0.19	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV228	MW	0.48	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV229	MW	0.18	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV229A	MW	0.05	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV23	MW	0.47	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV230	MW	0.67	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV230B	MW	0.03	INV	UNT		NAT						4743	Twain Harte	
17EV231	MW	0.32	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
17EV231A	MW	0.20	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV232	MW	0.13	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV233	MW	0.13	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV233	MW	0.25	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV235	MW	0.59	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV236	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
17EV236A	MW	0.05	INV	UNT	ATV	NAT						4742	Crandall Peak	
17EV236B	MW	0.07	INV	UNT		NAT						4742	Crandall Peak	
17EV237	MW	0.16	INV	UNT	ATV	NAT	ATV			ATV	ATV	4742	Crandall Peak	
17EV238	MW	0.68	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV238A	MW	0.29	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV239	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV240	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV241	MW	0.27	INV	UNT	ATV	NAT	ATV			ATV	ATV	4741	Strawberry	
17EV242	MW	0.05	INV	UNT	ALL	NAT						4741	Strawberry	
17EV245	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD	4741	Strawberry	
17EV247A	MW	0.13	INV	UNT	ALL	NAT						4741	Strawberry	
17EV248	MW	0.04	INV	UNT	ALL	NAT						4741	Strawberry	
17EV249	MW	0.12	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV249A	MW	0.10	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV250	MW	0.19	INV	UNT	ALL	NAT						4741	Strawberry	
17EV252	MW	0.10	INV	UNT	ALL	NAT						4741	Strawberry	
17EV253	MW	0.40	INV	UNT	ALL	NAT						4741	Strawberry	
17EV254	MW	0.12	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
17EV255	MW	0.48	INV	UNT	ATV	NAT				ATV		4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV256	MW	0.41	INV	UNT	ATV	NAT							4741	Strawberry	
17EV257	MW	0.08	INV	UNT	ATV	NAT							4741	Strawberry	
17EV258	MW	0.12	INV	UNT	ALL	NAT							4741	Strawberry	
17EV259	MW	0.36	INV	UNT	ALL	NAT							4744	Hull Creek	
17EV260	MW	0.11	INV	UNT	ATV	NAT							4744	Hull Creek	
17EV261	MW	0.18	INV	UNT	ALL	NAT	4WD			ALL		4WD	4744	Hull Creek	
17EV261A	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL		4WD	4744	Hull Creek	
17EV263	MW	0.18	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV264	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV265	MW	0.07	INV	UNT	ATV	NAT							4744	Hull Creek	
17EV266	MW	0.26	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
17EV267	MW	0.22	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV268	MW	0.39	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV269	MW	0.16	INV	UNT	ALL	NAT							4741	Strawberry	
17EV28	MW	1.38	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV281	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL		ALL	4741	Strawberry	
17EV282	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL		ALL	4741	Strawberry	
17EV283	MW	0.20	INV	UNT	MC	NAT	MC			MC		MC	4741	Strawberry	
17EV284	MW	0.47	INV	UNT		NAT							4741	Strawberry	CL
17EV285	MW	0.14	INV	UNT		NAT							4741	Strawberry	
17EV287	MW	0.25	INV	UNT		NAT							4741	Strawberry	
17EV288	MW	0.29	INV	UNT		NAT							4743	Twain Harte	
17EV289	MW	0.66	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	
17EV28A	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		ALL	4744	Hull Creek	
17EV290	MW	0.40	INV	UNT	ALL	NAT	ALL			ALL		ALL	4744	Hull Creek	
17EV293	MW	0.79	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV294	MW	0.78	INV	UNT	ALL	NAT							4744	Hull Creek	
17EV295	MW	0.11	INV	UNT		NAT							4744	Hull Creek	
17EV296	MW	0.44	INV	UNT		NAT							4744	Hull Creek	
17EV296A	MW	0.11	INV	UNT		NAT							4744	Hull Creek	
17EV297	MW	0.49	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV298	MW	0.19	INV	UNT		NAT							4744	Hull Creek	
17EV299	MW	0.59	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV300	MW	0.23	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	
17EV303	MW	0.83	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV304	MW	0.08	INV	UNT		NAT							4743	Twain Harte	
17EV305	MW	0.13	INV	UNT	MC	NAT							4743	Twain Harte	
17EV306	MW	0.14	INV	UNT	ALL	NAT				4WD			4743	Twain Harte	
17EV308	MW	0.02	INV	UNT		NAT							4744	Hull Creek	
17EV310	MW	0.23	INV	UNT		NAT							4741	Strawberry	
17EV312	MW	0.05	INV	UNT		NAT							4743	Twain Harte	
17EV314	MW	0.07	INV	UNT		NAT							4743	Twain Harte	
17EV315	MW	0.08	INV	UNT		NAT							4743	Twain Harte	
17EV34	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV37	MW	0.93	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV45	MW	1.68	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV50	MW	2.27	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	
17EV51	MW	0.84	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV51	MW	3.06	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV53	MW	2.97	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV54	MW	0.50	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV58	MW	1.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV60	MW	0.51	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV60	MW	0.55	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV67	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV67A	MW	0.36	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV71	MW	1.14	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
17EV74A	MW	0.07	INV	UNT	ALL	NAT							4743	Twain Harte	
17EV75	MW	0.42	INV	UNT	ATV	NAT							4744	Hull Creek	
17EV75	MW	0.46	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV78	MW	0.30	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV79	MW	1.29	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV80	MW	0.23	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV85	MW	2.01	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
17EV88	MW	1.53	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV91	MW	1.03	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV100	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV100	MW	0.31	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	
18EV101A	MW	0.17	GPS	UNT	ATV	NAT				ATV			4744	Hull Creek	
18EV101B	MW	0.53	GPS	UNT	ATV	NAT				ATV			4744	Hull Creek	
18EV105	MW	0.69	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV106	MW	0.41	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV110	MW	1.33	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV112	MW	0.46	INV	UNT	ATV	NAT							4744	Hull Creek	
18EV133	MW	0.35	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV134	MW	3.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV170	MW	1.13	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV170	MW	1.69	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV257	MW	0.18	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV258	MW	0.57	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV259	MW	0.48	INV	UNT	ATV	NAT				ATV			4733	Cherry Lake N	CL
18EV260	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV270	MW	0.36	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	CL
18EV271	MW	0.67	INV	UNT	ATV	NAT	ATV			ATV			4732	Pinecrest	CL
18EV275	MW	0.31	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
18EV276	MW	0.10	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV277	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV278	MW	0.60	INV	UNT	MC	NAT				MC			4732	Pinecrest	CL
18EV280	MW	0.47	INV	UNT	ALL	NAT							4732	Pinecrest	
18EV281	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV282	MW	0.15	INV	UNT	MC	NAT	MC			MC	MC		4732	Pinecrest	
18EV283	MW	0.28	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV284	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV304	MW	0.13	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV304	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV308	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV308	MW	0.19	INV	UNT		NAT							4744	Hull Creek	CL
18EV309	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV310	MW	0.56	INV	UNT		NAT							4732	Pinecrest	CL
18EV310	MW	0.56	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV315	MW	0.36	INV	UNT	ALL	NAT	4WD			ALL	4WD		4741	Strawberry	
18EV316	MW	0.62	INV	UNT		NAT							4741	Strawberry	
18EV34	MW	0.65	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV51	MW	0.54	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	
18EV56	MW	1.38	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV57	MW	0.86	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV63	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV67	MW	1.68	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV70	MW	0.68	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV77	MW	1.54	INV	UNT	MC	NAT	MC			MC			4733	Cherry Lake N	CL
18EV88	MW	0.03	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV88	MW	0.70	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV90	MW	0.81	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV91	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV94	MW	0.17	INV	UNT	ALL	NAT				ALL	ALL		4744	Hull Creek	
18EV95	MW	0.33	INV	UNT	ALL	NAT							4744	Hull Creek	CL
18EV95	MW	0.33	INV	UNT	ALL	NAT	4WD			4WD			4744	Hull Creek	DC access
19EV100	MW	1.08	INV	UNT	ALL	NAT				ALL			4733	Cherry Lake N	CL
19EV101	MW	0.57	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
19EV29	MW	0.47	INV	UNT	ATV	NAT	4WD			4WD			4732	Pinecrest	DC access
21505B	MW	0.11	GIS	UNR		NAT							4754	Columbia SE	
21613A	MW	0.58	GIS	UNR	ALL	NAT							4743	Twain Harte	
21701C	MW	0.09	GIS	UNR		NAT							4744	Hull Creek	
21703A	MW	0.08	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
21703C	MW	0.52	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
21704A	MW	0.39	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
21704B	MW	0.21	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21711G	MW	0.70	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21711J	MW	0.28	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21734H	MW	0.08	GIS	UNR		NAT						4571	Duckwall Mt	
21802H	MW	0.17	GIS	UNR		NAT						4733	Cherry Lake N	
21803A	MW	0.11	GIS	UNR		NAT						4733	Cherry Lake N	
31527C	MW	0.57	GIS	UNR		NAT						4754	Columbia SE	
31614C	MW	0.05	GIS	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
31620A	MW	0.17	GIS	UNR		NAT						4743	Twain Harte	
31621R	MW	0.06	GIS	UNR		NAT						4743	Twain Harte	
31622N	MW	0.24	GIS	UNR		NAT						4743	Twain Harte	
31622R	MW	0.63	GIS	UNT		NAT						4743	Twain Harte	
31623G	MW	0.41	GIS	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
31632C	MW	0.11	GIS	UNR	ALL	NAT						4743	Twain Harte	
31724C	MW	0.17	GIS	UNR		NAT						4744	Hull Creek	
31725H	MW	0.60	GIS	UNR	ALL	NAT						4744	Hull Creek	
31725J	MW	0.09	GIS	UNR		NAT						4744	Hull Creek	
31726F	MW	0.14	GIS	UNR		NAT						4744	Hull Creek	
31733A	MW	0.26	GIS	UNR	ALL	NAT						4744	Hull Creek	
31734B	MW	0.09	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
31734N	MW	0.15	GIS	UNR		NAT						4744	Hull Creek	
31736A	MW	0.17	GIS	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
31801F	MW	0.10	GIS	UNR		NAT						4732	Pinecrest	
31802C	MW	0.08	GIS	UNR		NAT						4732	Pinecrest	
31803F	MW	0.06	GIS	UNR		NAT						4732	Pinecrest	
31811A	MW	0.08	GIS	UNR		NAT						4732	Pinecrest	
31811B	MW	0.10	GIS	UNR		NAT						4732	Pinecrest	
31818G	MW	0.15	GIS	UNR	ATV	NAT	ATV			ATV		4741	Strawberry	
31820B	MW	0.12	GIS	UNR		NAT						4744	Hull Creek	
31820G	MW	0.13	GIS	UNR		NAT						4744	Hull Creek	
31821C	MW	0.20	GIS	UNR	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
31821F	MW	0.09	GIS	UNR		NAT						4744	Hull Creek	
31821G	MW	0.13	GIS	UNR		NAT						4733	Cherry Lake N	CL
31821H	MW	0.10	GIS	UNT	ALL	NAT	4WD			4WD		4733	Cherry Lake N	DC access
31821K	MW	0.10	GIS	UNR		NAT						4744	Hull Creek	CL
31824D	MW	0.27	GIS	UNR		NAT						4733	Cherry Lake N	
31825A	MW	0.06	GIS	UNR		NAT						4733	Cherry Lake N	
31830L	MW	0.13	GIS	UNR		NAT						4744	Hull Creek	
31830W	MW	0.05	GIS	UNR		NAT						4744	Hull Creek	
31832B	MW	0.07	GIS	UNR		NAT						4744	Hull Creek	
31832D	MW	0.07	GIS	UNR		NAT						4744	Hull Creek	
31832E	MW	0.06	GIS	UNR		NAT						4744	Hull Creek	
31832J	MW	0.05	GIS	UNR		NAT						4744	Hull Creek	
31833F	MW	0.06	GIS	UNR		NAT						4744	Hull Creek	
31906B	MW	0.05	GIS	UNR		NAT						4732	Pinecrest	
31906D	MW	0.13	GIS	UNR		NAT						4732	Pinecrest	
41726J	MW	0.69	IG	UNR	ALL	NAT						4741	Strawberry	
41727B	MW	0.04	GIS	UNR	ALL	NAT						4741	Strawberry	
41735B	MW	0.06	GIS	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
41736B	MW	0.18	GIS	UNR		NAT						4741	Strawberry	
41834J	MW	0.07	GIS	UNR		NAT						4732	Pinecrest	
EV14835	MW	0.19	INV	UNT	MC	NAT				MC		4742	Crandall Peak	
EV681	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD		4732	Pinecrest	DC access
FR12319	MW	0.51	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR12319	MW	0.55	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR13563	MW	0.05	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
FR14056	MW	0.13	MAP	UNR		NAT						4742	Crandall Peak	
FR14420	MW	0.21	GPS	UNR	ALL	NAT						4744	Hull Creek	
FR15091	MW	0.34	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR15091	MW	0.47	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR5483	MW	0.20	MAP	UNR	ALL	NAT						4743	Twain Harte	
FR98590	MW	0.10	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98594	MW	0.58	INV	UNT	ALL	NAT						4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98595	MW	0.04	INV	UNT	ALL	NAT							4744	Hull Creek	
FR98596	MW	0.10	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98597	MW	0.09	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98598	MW	0.08	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98599	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98601	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98602	MW	0.08	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98603	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98604	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98608	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98609	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98612	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98616	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98617	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98618	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98619	MW	0.11	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98620	MW	0.08	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98679	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98680	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98682	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98683	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98685	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98686	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98688	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98689	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98690	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98691	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98692	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98693	MW	0.01	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98694	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98695	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98696	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98697	MW	0.12	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98699	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4733	Cherry Lake N	DC access
FR98700	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4733	Cherry Lake N	DC access
FR98701	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4733	Cherry Lake N	DC access
FR98702	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98703	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98704	MW	0.15	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98705	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98707	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98708	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
250.49															

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
16EV191	CAL	0.13	INV	UNT	ATV	NAT	ATV			ATV	ATV	4912	Calaveras Dome	
17EV130	CAL	0.81	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV275	CAL	0.01	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
17EV275	CAL	0.02	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV278	CAL	1.06	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
17EV279	CAL	1.08	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
17EV280	CAL	0.48	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV307	CAL	0.09	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	
18EV286	CAL	0.39	INV	UNT	ATV	NAT	ATV			ATV	ATV	4911	Tamarack	
18EV287	CAL	1.34	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
18EV288	CAL	1.96	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
18EV289	CAL	0.53	INV	UNT	ALL	NAT				4WD		4911	Tamarack	
18EV292	CAL	0.08	INV	UNT	ALL	NAT	4WD			ALL	4WD	4911	Tamarack	
18EV293	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV295	CAL	0.30	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV295A	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV297	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV298	CAL	0.18	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV299	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV300	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV301	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV303	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV110	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV111	CAL	0.32	INV	UNT	ALL	NAT	4WD			4WD		5063	Pacific Valley	CL
19EV111A	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV112	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
19EV113	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV100	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV101A	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
61602E	CAL	0.23	GIS	UNR	ALL	NAT				4WD		4912	Calaveras Dome	
61618A	CAL	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4924	Dorrington	
FR10176	CAL	0.09	MAP	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR14617	CAL	0.04	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4912	Calaveras Dome	
FR8437	CAL	0.13	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4901	Dardanelles Cone	
FR8784	CAL	0.07	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9084	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR9090	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	
FR9438	CAL	0.10	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9439	CAL	0.16	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9440	CAL	0.04	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9441	CAL	0.18	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4911	Tamarack	
FR9501	CAL	0.09	MAP	UNR	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98607	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4924	Dorrington	DC access
FR98622	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98623	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98624	CAL	0.20	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98625	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98627	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98630	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4914	Liberty Hill	DC access
FR98631	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4914	Liberty Hill	DC access
FR98633	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD		4921	Garnet Hill	DC access
FR98634	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4921	Garnet Hill	DC access
FR98636	CAL	0.11	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98637	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98638	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98639	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98643	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98644	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98646	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98647	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98660	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98661	CAL	0.12	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98662	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98663	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
11808B	GR	0.03	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
11908M	GR	0.13	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
17EV182	GR	1.62	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV183	GR	0.64	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV184	GR	0.60	INV	UNT	MC	NAT	MC			MC		4391	Buckhorn Peak	CL
17EV192	GR	0.63	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192A	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192B	GR	0.15	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV194	GR	0.39	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV195	GR	0.50	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	CL
17EV196	GR	0.19	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.35	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.46	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	CL
17EV197A	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV317	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV318	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV319	GR	0.21	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV320	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV321	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV322	GR	0.04	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV323	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV324	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV325	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV326	GR	0.02	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV327	GR	0.30	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV328	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV329	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV330	GR	0.10	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV331	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV332	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV901	GR	0.37	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
18EV268	GR	0.51	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
18EV269	GR	0.16	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
18EV34	GR	1.27	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
1N1829	GR	0.08	MAP	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
1S1727	GR	0.87		UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
1S1728	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
1S1734A	GR	0.86	MAP	UNT	ALL	NAT				4WD		4574	Jawbone Ridge	
1S1736	GR	0.46	MAP	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
1S17E35B	GR	0.34	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
1S17M	GR	1.13	MAP	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
1S1811	GR	0.56	MAP	UNT	ALL	NAT				4WD		4563	Ascension Mt	DC access
1S1822B	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1822C	GR	0.31	MAP	UNT	ALL	NAT				4WD		4563	Ascension Mt	DC access
1S1824	GR	0.36	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	
1S1902	GR	0.24	MAP	UNT	ALL	NAT	4WD			4WD		4561	Lake Eleanor	DC access
1S1907A	GR	0.39	MAP	UNT	ALL	NAT				4WD		4563	Ascension Mt	
1S1909	GR	0.25	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1913	GR	0.72	MAP	UNT	ALL	NAT				ALL		4564	Ackerson Mt	
1S1920	GR	0.81	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	
1S1929	GR	0.15	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1929C	GR	0.19	GIS	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1930	GR	1.69	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4563	Ascension Mt	
1S1933	GR	0.37	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
2N1820	GR	0.34	MAP	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
2N1905	GR	0.25	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4733	Cherry Lake N	
2S1804	GR	0.94	MAP	UNT	ATV	NAT	ATV			ATV		4563	Ascension Mt	
2S1906	GR	0.42	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR10178	GR	0.64	MAP	UNR	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	
FR10200	GR	0.37	MAP	UNT	ALL	NAT				ALL		4391	Buckhorn Peak	
FR14721	GR	0.12	MAP	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	
FR4688	GR	0.73	MAP	UNR	ALL	NAT	ALL			ALL	ALL	4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR5540	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR6468	GR	0.02	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6468	GR	0.04	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6468	GR	0.18	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6550	GR	2.27	MAP	UNR	ALL	NAT	ALL			ALL			4573	Groveland	CL
FR8165	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR83630	GR	0.21	INV	UNR	ALL	NAT				ALL			4744	Hull Creek	
FR8472	GR	0.18	MAP	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR8516	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR8601	GR	0.47	MAP	UNR	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR8762	GR	0.13	MAP	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR8843	GR	0.86	MAP	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR8986	GR	0.51	MAP	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR9140	GR	0.04	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR9359	GR	0.13	MAP	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	
FR98472	GR	0.67	MAP	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98476	GR	0.50	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98477	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98479	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98481	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98482	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98483	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98484	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98485	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98486	GR	0.21	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98488	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98491	GR	0.19	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98492	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98493	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98494	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98495	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98496	GR	0.28	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98501	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98502	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98503	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98504	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98506	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98507	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98508	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98509	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98510	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98511	GR	0.15	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98513	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98514	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98515	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98520	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98522	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98523	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98524	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98529	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98530	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98531	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98533	GR	0.10	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98535	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98537	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98538	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98539	GR	0.10	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98540	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4561	Lake Eleanor	DC access
FR98541	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98544	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98545	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98546	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98547	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98548	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98549	GR	0.39	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98550	GR	0.17	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98551	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4381	El Portal	DC access
FR98552	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98553	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98554	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98555	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4564	Ackerson Mt	DC access
FR98560	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4564	Ackerson Mt	DC access
FR98563	GR	0.86	INV	UNT	ALL	NAT	4WD			4WD		4564	Ackerson Mt	DC access
FR98566	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98575	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4573	Groveland	DC access
FR98577	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4561	Lake Eleanor	DC access
FR98580	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98581	GR	0.11	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98582	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98583	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98584	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98585	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98586	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98587	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98591	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98592	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98593	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98670	GR	0.20	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98671	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98672	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98674	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98675	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98676	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FS08490	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
22	MW	0.08	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
11715A	MW	0.52	MAP	UNR	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
15EV38	MW	0.60	INV	UNT	ALL	NAT	ALL			ALL	ALL	4754	Columbia SE	
15EV43C	MW	0.69	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
15EV43G	MW	0.51	INV	UNT	ALL	NAT	4WD			4WD		4753	Columbia	DC access
15EV46	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47	MW	0.63	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47A	MW	0.12	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV48	MW	0.64	INV	UNT	MC	NAT	MC			MC		4754	Columbia SE	CL
15EV54	MW	0.18	INV	UNT	ALL	NAT	ALL			ALL		4754	Columbia SE	CL
16E182	MW	0.27	GIS	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
16E182A	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
16E183	MW	1.26	GIS	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	
16EV01	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
16EV101	MW	1.90	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV106	MW	1.50	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV108	MW	0.74	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV109	MW	0.61	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV109	MW	1.14	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV110	MW	1.15	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV111	MW	0.44	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV112	MW	0.17	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV115	MW	2.40	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV117	MW	0.21	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV123	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV124	MW	0.15	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV133	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV136	MW	1.19	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV137	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV141	MW	0.87	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV152	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV152	MW	0.56	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
16EV154	MW	1.13	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV155	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	CL
16EV160	MW	1.31	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV176	MW	0.04	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV176	MW	0.50	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV177	MW	0.27	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV178	MW	0.66	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV207	MW	0.03	INV	UNT	MC	NAT				MC			4754	Columbia SE	CL
16EV209	MW	0.14	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	CL
16EV210	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV211	MW	0.08	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV213	MW	0.06	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV222	MW	0.31	INV	UNT	MC	NAT				MC			4743	Twain Harte	
16EV223	MW	1.35	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV229	MW	0.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV230	MW	0.78	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV236	MW	0.96	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV237	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV240	MW	0.11	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV243	MW	0.31	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV244	MW	0.49	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV247	MW	0.68	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV248	MW	0.93	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV249	MW	0.28	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV251	MW	0.32	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV253	MW	0.89	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV254	MW	0.51	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV255	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV256	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4742	Crandall Peak	
16EV257	MW	1.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV257A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV258	MW	0.09	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV258	MW	0.47	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV259	MW	0.09	INV	UNT	MC	NAT				MC	MC		4743	Twain Harte	
16EV259	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV259A	MW	0.17	MAP	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV262	MW	0.09	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV263	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV265	MW	0.12	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV266	MW	0.21	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV266A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV267	MW	0.27	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV268	MW	0.38	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV269	MW	0.22	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV272	MW	0.53	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV273	MW	0.19	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV292	MW	0.14	INV	UNT	ALL	NAT	4WD			4WD			4742	Crandall Peak	DC access
16EV296	MW	0.36	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV299	MW	0.40	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV299B	MW	0.26	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV302	MW	0.31	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV303	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV304	MW	0.09	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV305	MW	0.54	INV	UNT	MC	NAT	PER			PER	PER		4742	Crandall Peak	
16EV306	MW	0.16	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV318	MW	0.45	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV54	MW	2.36	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV78	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV79	MW	0.61	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV79	MW	0.85	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV81	MW	0.54	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
17EV101	MW	1.06	INV	UNT	MC	NAT				MC			4742	Crandall Peak	CL
17EV104	MW	0.87	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV11	MW	0.48	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	
17EV11	MW	0.91	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV117	MW	0.55	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV117	MW	0.57	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV118	MW	1.37	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV12	MW	0.83	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV120	MW	0.11	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV121	MW	0.50	INV	UNT	MC	NAT	PER			PER			4742	Crandall Peak	CL
17EV122B	MW	0.05	INV	UNT	MC	NAT	PER			PER			4742	Crandall Peak	CL
17EV122B	MW	0.29	INV	UNT	MC	NAT	PER			PER			4742	Crandall Peak	CL
17EV14	MW	0.74	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV15	MW	0.35	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV153	MW	0.25	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV153	MW	0.31	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV157	MW	0.11	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV15B	MW	0.79	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV160	MW	0.15	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV162	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV202	MW	0.38	INV	UNT	ALL	NAT	4WD			4WD			4744	Hull Creek	DC access
17EV205	MW	0.25	INV	UNT	ATV	NAT	ATV			ATV	ATV		4743	Twain Harte	
17EV210	MW	1.09	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL
17EV210A	MW	0.32	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
17EV212	MW	1.19	INV	UNT	ALL	NAT				4WD			4741	Strawberry	
17EV220	MW	0.33	INV	UNT	ALL	NAT	4WD			ALL	4WD		4743	Twain Harte	
17EV220B	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL	4WD		4743	Twain Harte	
17EV23	MW	0.47	INV	UNT	ALL	NAT				4WD			4741	Strawberry	
17EV231	MW	0.32	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
17EV233	MW	0.13	INV	UNT	ATV	NAT				ATV			4742	Crandall Peak	CL
17EV233	MW	0.25	INV	UNT	ATV	NAT				ATV			4742	Crandall Peak	CL
17EV235	MW	0.59	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
17EV236	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL
17EV237	MW	0.16	INV	UNT	ATV	NAT	ATV			ATV	ATV		4742	Crandall Peak	
17EV238	MW	0.68	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV238A	MW	0.29	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV239	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV240	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV241	MW	0.27	INV	UNT	ATV	NAT	ATV			ATV	ATV		4741	Strawberry	
17EV245	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD		4741	Strawberry	
17EV249	MW	0.12	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV249A	MW	0.10	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV254	MW	0.12	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
17EV255	MW	0.48	INV	UNT	ATV	NAT				ATV			4741	Strawberry	
17EV261	MW	0.18	INV	UNT	ALL	NAT	4WD			ALL	4WD		4744	Hull Creek	
17EV261A	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD		4744	Hull Creek	
17EV263	MW	0.18	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV264	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV266	MW	0.26	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
17EV267	MW	0.22	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV268	MW	0.39	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV28	MW	1.38	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV281	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV282	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV283	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC		4741	Strawberry	
17EV289	MW	0.66	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	
17EV28A	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV290	MW	0.40	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV293	MW	0.79	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV297	MW	0.49	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV299	MW	0.59	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV300	MW	0.23	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV303	MW	0.83	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV306	MW	0.14	INV	UNT	ALL	NAT				4WD			4743	Twain Harte	
17EV34	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV37	MW	0.93	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
17EV45	MW	1.68	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
17EV50	MW	2.27	INV	UNT	ATV	NAT					ATV		4744	Hull Creek	
17EV51	MW	0.84	INV	UNT	ATV	NAT					ATV		4744	Hull Creek	CL
17EV51	MW	3.06	INV	UNT	ATV	NAT	ATV				ATV	ATV	4744	Hull Creek	
17EV53	MW	2.97	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
17EV54	MW	0.50	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
17EV58	MW	1.19	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
17EV60	MW	0.51	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
17EV60	MW	0.55	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
17EV67	MW	0.28	INV	UNT	ATV	NAT	ATV				ATV	ATV	4744	Hull Creek	
17EV67A	MW	0.36	INV	UNT	ATV	NAT	ATV				ATV	ATV	4744	Hull Creek	
17EV71	MW	1.14	INV	UNT	ATV	NAT	ATV				ATV		4743	Twain Harte	CL
17EV75	MW	0.46	INV	UNT	ATV	NAT	ATV				ATV	ATV	4744	Hull Creek	
17EV78	MW	0.30	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
17EV79	MW	1.29	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
17EV80	MW	0.23	INV	UNT	ATV	NAT	ATV				ATV	ATV	4744	Hull Creek	
17EV85	MW	2.01	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
17EV88	MW	1.53	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
17EV91	MW	1.03	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV100	MW	0.08	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
18EV100	MW	0.31	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	
18EV101A	MW	0.17	GPS	UNT	ATV	NAT					ATV		4744	Hull Creek	
18EV101B	MW	0.53	GPS	UNT	ATV	NAT					ATV		4744	Hull Creek	
18EV105	MW	0.69	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
18EV106	MW	0.41	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
18EV110	MW	1.33	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
18EV133	MW	0.35	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
18EV134	MW	3.19	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
18EV170	MW	1.13	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
18EV170	MW	1.69	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
18EV257	MW	0.18	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV258	MW	0.57	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV259	MW	0.48	INV	UNT	ATV	NAT					ATV		4733	Cherry Lake N	CL
18EV260	MW	0.28	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV270	MW	0.36	INV	UNT	ALL	NAT	ALL				ALL		4732	Pinecrest	CL
18EV271	MW	0.67	INV	UNT	ATV	NAT	ATV				ATV		4732	Pinecrest	CL
18EV275	MW	0.31	INV	UNT	ALL	NAT					ALL		4741	Strawberry	
18EV276	MW	0.10	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV277	MW	0.09	INV	UNT	ALL	NAT	ALL				ALL	ALL	4744	Hull Creek	
18EV278	MW	0.60	INV	UNT	MC	NAT					MC		4732	Pinecrest	CL
18EV281	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4732	Pinecrest	DC access
18EV282	MW	0.15	INV	UNT	MC	NAT	MC				MC	MC	4732	Pinecrest	
18EV283	MW	0.28	INV	UNT	ALL	NAT	4WD				4WD		4732	Pinecrest	DC access
18EV284	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4732	Pinecrest	DC access
18EV304	MW	0.13	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV304	MW	0.19	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
18EV308	MW	0.12	INV	UNT	ALL	NAT	ALL				ALL		4744	Hull Creek	CL
18EV309	MW	0.12	INV	UNT	ALL	NAT	ALL				ALL	ALL	4744	Hull Creek	
18EV310	MW	0.56	INV	UNT	ALL	NAT	4WD				4WD		4732	Pinecrest	DC access
18EV315	MW	0.36	INV	UNT	ALL	NAT	4WD				ALL	4WD	4741	Strawberry	
18EV34	MW	0.65	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV51	MW	0.54	INV	UNT	ATV	NAT					ATV		4744	Hull Creek	
18EV56	MW	1.38	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV57	MW	0.86	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
18EV63	MW	0.26	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV67	MW	1.68	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
18EV70	MW	0.68	INV	UNT	MC	NAT	MC				MC		4744	Hull Creek	CL
18EV77	MW	1.54	INV	UNT	MC	NAT	MC				MC		4733	Cherry Lake N	CL
18EV88	MW	0.03	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV88	MW	0.70	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV90	MW	0.81	INV	UNT	ATV	NAT	ATV				ATV		4744	Hull Creek	CL
18EV91	MW	0.33	INV	UNT	ALL	NAT	ALL				ALL	ALL	4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
18EV94	MW	0.17	INV	UNT	ALL	NAT				ALL	ALL	4744	Hull Creek	
18EV95	MW	0.33	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
19EV100	MW	1.08	INV	UNT	ALL	NAT				ALL		4733	Cherry Lake N	CL
19EV101	MW	0.57	INV	UNT	ALL	NAT	4WD			4WD		4732	Pinecrest	DC access
19EV29	MW	0.47	INV	UNT	ATV	NAT	4WD			4WD		4732	Pinecrest	DC access
21703A	MW	0.08	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21703C	MW	0.52	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21704A	MW	0.39	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21704B	MW	0.21	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21711G	MW	0.70	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21711J	MW	0.28	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
31614C	MW	0.05	GIS	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
31623G	MW	0.41	GIS	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
31734B	MW	0.09	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
31736A	MW	0.17	GIS	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
31818G	MW	0.15	GIS	UNR	ATV	NAT	ATV			ATV		4741	Strawberry	
31821C	MW	0.20	GIS	UNR	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
31821H	MW	0.10	GIS	UNT	ALL	NAT	4WD			4WD		4733	Cherry Lake N	DC access
41735B	MW	0.06	GIS	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
EV14835	MW	0.19	INV	UNT	MC	NAT				MC		4742	Crandall Peak	
EV681	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD		4732	Pinecrest	DC access
FR12319	MW	0.51	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR12319	MW	0.55	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR13563	MW	0.05	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
FR15091	MW	0.34	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR15091	MW	0.47	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR98590	MW	0.10	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98596	MW	0.10	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98597	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98598	MW	0.08	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98599	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98601	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98602	MW	0.08	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98603	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98604	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98608	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98609	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98612	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98616	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4742	Crandall Peak	DC access
FR98617	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98618	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98619	MW	0.11	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98620	MW	0.08	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98679	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98680	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98682	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98683	MW	0.06	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98685	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4742	Crandall Peak	DC access
FR98686	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4742	Crandall Peak	DC access
FR98688	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98689	MW	0.06	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98690	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98691	MW	0.06	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98692	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98693	MW	0.01	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98694	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98695	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98696	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98697	MW	0.12	INV	UNT	ALL	NAT	4WD			4WD		4742	Crandall Peak	DC access
FR98699	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD		4733	Cherry Lake N	DC access
FR98700	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4733	Cherry Lake N	DC access
FR98701	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4733	Cherry Lake N	DC access
FR98702	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4742	Crandall Peak	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98703	MW	0.06	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
FR98704	MW	0.15	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98705	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98707	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98708	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
181.72														

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
18EV292	CAL	0.08	INV	UNT	ALL	NAT	4WD			ALL	4WD	4911	Tamarack	
18EV297	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV298	CAL	0.18	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV299	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV300	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV301	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV303	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV110	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV111	CAL	0.32	INV	UNT	ALL	NAT	4WD			4WD		5063	Pacific Valley	CL
19EV111A	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV112	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
19EV113	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV100	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV101A	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR8437	CAL	0.13	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4901	Dardanelles Cone	
FR8784	CAL	0.07	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9090	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	
FR9438	CAL	0.10	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9439	CAL	0.16	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9440	CAL	0.04	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9441	CAL	0.18	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4911	Tamarack	
FR98623	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98624	CAL	0.20	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98625	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98638	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98661	CAL	0.12	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98662	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
FR98663	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
11808B	GR	0.03	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
11908M	GR	0.13	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
1S1728	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
1S1822B	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1902	GR	0.24	MAP	UNT	ALL	NAT	4WD			ALL		4561	Lake Eleanor	DC access
1S1909	GR	0.25	MAP	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
1S1929	GR	0.15	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1929C	GR	0.19	GIS	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR10178	GR	0.64	MAP	UNR	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	
FR14721	GR	0.12	MAP	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	
FR5540	GR	0.47	MAP	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR8165	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR8472	GR	0.18	MAP	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR8986	GR	0.51	MAP	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR9140	GR	0.04	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR9359	GR	0.13	MAP	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	
FR98476	GR	0.50	INV	UNT	ALL	NAT	4WD			4WD		4381	El Portal	DC access
FR98477	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4381	El Portal	DC access
FR98481	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98483	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98484	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98485	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98488	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98491	GR	0.19	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98493	GR	0.02	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98495	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98501	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98502	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98503	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98506	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98507	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98508	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98509	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98510	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98511	GR	0.15	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98520	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98523	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98531	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98535	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98537	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98538	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98539	GR	0.10	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98540	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4561	Lake Eleanor	DC access
FR98544	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98545	GR	0.05	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98546	GR	0.03	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98547	GR	0.08	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98548	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98552	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98553	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98554	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98555	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4564	Ackerson Mt	DC access
FR98575	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4573	Groveland	DC access
FR98580	GR	0.13	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98582	GR	0.06	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98583	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98584	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98585	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98586	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98587	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98593	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98670	GR	0.20	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98672	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98674	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98675	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98676	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FS08490	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
15EV43C	MW	0.69	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
15EV43G	MW	0.51	INV	UNT	ALL	NAT	4WD			4WD		4753	Columbia	DC access
16EV263	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
17EV220	MW	0.33	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV220B	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV231	MW	0.32	INV	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
17EV245	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD	4741	Strawberry	
17EV249	MW	0.12	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV249A	MW	0.10	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV261	MW	0.18	INV	UNT	ALL	NAT	4WD			ALL	4WD	4744	Hull Creek	
17EV261A	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD	4744	Hull Creek	
17EV267	MW	0.22	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV268	MW	0.39	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
18EV315	MW	0.36	INV	UNT	ALL	NAT	4WD			ALL	4WD	4741	Strawberry	
31623G	MW	0.41	GIS	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
41735B	MW	0.06	GIS	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98612	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98619	MW	0.11	INV	UNT	ALL	NAT	4WD			ALL		4754	Columbia SE	DC access
FR98620	MW	0.08	INV	UNT	ALL	NAT	4WD			ALL		4754	Columbia SE	DC access
FR98679	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98680	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98688	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98689	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98690	MW	0.04	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98691	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98692	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98694	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98699	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL		4733	Cherry Lake N	DC access
FR98700	MW	0.02	INV	UNT	ALL	NAT	4WD			ALL		4733	Cherry Lake N	DC access
FR98703	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98704	MW	0.15	INV	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98705	MW	0.04	INV	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
FR98707	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
17EV275	CAL	0.01	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
17EV307	CAL	0.09	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	
18EV287	CAL	1.34	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
18EV293	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
18EV295	CAL	0.30	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
18EV295A	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
61618A	CAL	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4924	Dorrington	
FR10176	CAL	0.09	MAP	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR14617	CAL	0.04	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4912	Calaveras Dome	
FR9084	CAL	0.17	MAP	UNT	ALL	NAT	ALL			ALL		4913	Boards Crossing	DC access
FR9501	CAL	0.09	MAP	UNR	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
FR98607	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4924	Dorrington	DC access
FR98622	CAL	0.04	INV	UNT	ALL	NAT	ALL			ALL		4913	Boards Crossing	DC access
FR98627	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4913	Boards Crossing	DC access
FR98630	CAL	0.04	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	DC access
FR98631	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	DC access
FR98633	CAL	0.10	INV	UNT	ALL	NAT	ALL			ALL		4921	Garnet Hill	DC access
FR98634	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4921	Garnet Hill	DC access
FR98636	CAL	0.11	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98637	CAL	0.07	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98639	CAL	0.14	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98643	CAL	0.08	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98644	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98646	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
FR98647	CAL	0.04	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
FR98660	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
17EV182	GR	1.62	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV183	GR	0.64	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV192	GR	0.63	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192A	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192B	GR	0.15	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV195	GR	0.50	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	CL
17EV321	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV331	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV332	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV901	GR	0.37	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
18EV269	GR	0.16	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
1N1829	GR	0.08	MAP	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
1S1930	GR	1.69	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4563	Ascension Mt	
1S1933	GR	0.37	MAP	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
2N1820	GR	0.34	MAP	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
2N1905	GR	0.25	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4733	Cherry Lake N	
2S1906	GR	0.42	MAP	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR4688	GR	0.73	MAP	UNR	ALL	NAT	ALL			ALL	ALL	4574	Jawbone Ridge	
FR6468	GR	0.02	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6468	GR	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6468	GR	0.18	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6550	GR	2.27	MAP	UNR	ALL	NAT	ALL			ALL		4573	Groveland	CL
FR8516	GR	0.05	MAP	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR8601	GR	0.47	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR8762	GR	0.13	MAP	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR8843	GR	0.86	MAP	UNT	ALL	NAT	ALL			ALL		4391	Buckhorn Peak	DC access
FR98472	GR	0.67	MAP	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR98479	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4381	El Portal	DC access
FR98482	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98486	GR	0.21	INV	UNT	ALL	NAT	ALL			ALL		4391	Buckhorn Peak	DC access
FR98492	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98494	GR	0.02	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98496	GR	0.28	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98504	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98513	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98514	GR	0.04	INV	UNT	ALL	NAT	ALL			ALL			4382	Kinsley	DC access
FR98515	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL			4382	Kinsley	DC access
FR98522	GR	0.04	INV	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
FR98524	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
FR98529	GR	0.13	INV	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
FR98530	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
FR98533	GR	0.10	INV	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
FR98541	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
FR98549	GR	0.39	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	DC access
FR98550	GR	0.17	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	DC access
FR98551	GR	0.02	INV	UNT	ALL	NAT	ALL			ALL			4381	EI Portal	DC access
FR98560	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL			4564	Ackerson Mt	DC access
FR98563	GR	0.86	INV	UNT	ALL	NAT	ALL			ALL			4564	Ackerson Mt	DC access
FR98566	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL			4391	Buckhorn Peak	DC access
FR98577	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL			4561	Lake Eleanor	DC access
FR98581	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL			4562	Cherry Lake S	DC access
FR98591	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98592	GR	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98671	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	DC access
11715A	MW	0.52	MAP	UNR	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
15EV38	MW	0.60	INV	UNT	ALL	NAT	ALL			ALL	ALL		4754	Columbia SE	
15EV54	MW	0.18	INV	UNT	ALL	NAT	ALL			ALL			4754	Columbia SE	CL
16E182	MW	0.27	GIS	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
16E182A	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
16E183	MW	1.26	GIS	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	
16EV01	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV155	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	CL
16EV210	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV211	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV213	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV237	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV256	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4742	Crandall Peak	
16EV292	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
16EV318	MW	0.45	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
17EV11	MW	0.48	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	
17EV11	MW	0.91	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV14	MW	0.74	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV153	MW	0.25	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV153	MW	0.31	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV157	MW	0.11	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV160	MW	0.15	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV202	MW	0.38	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
17EV238	MW	0.68	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV238A	MW	0.29	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV239	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV240	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV264	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV281	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV282	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV28A	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV290	MW	0.40	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV293	MW	0.79	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV300	MW	0.23	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV303	MW	0.83	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV34	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV53	MW	2.97	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV58	MW	1.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV60	MW	0.51	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV88	MW	1.53	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV100	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV106	MW	0.41	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV133	MW	0.35	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV134	MW	3.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
18EV270	MW	0.36	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	CL
18EV277	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV281	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	DC access
18EV283	MW	0.28	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	DC access
18EV284	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	DC access
18EV304	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV308	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV309	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV310	MW	0.56	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	DC access
18EV91	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV95	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
19EV101	MW	0.57	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	DC access
19EV29	MW	0.47	INV	UNT	ATV	NAT	ALL			ALL			4732	Pinecrest	DC access
21703A	MW	0.08	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
21703C	MW	0.52	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
21704A	MW	0.39	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
21704B	MW	0.21	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
31614C	MW	0.05	GIS	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
31734B	MW	0.09	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
31736A	MW	0.17	GIS	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
31821C	MW	0.20	GIS	UNR	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
31821H	MW	0.10	GIS	UNT	ALL	NAT	ALL			ALL			4733	Cherry Lake N	DC access
EV681	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	DC access
FR13563	MW	0.05	GPS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
FR98590	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
FR98596	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98597	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98598	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98599	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98601	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98602	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98603	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98604	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98608	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98609	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98616	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
FR98617	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL			4754	Columbia SE	DC access
FR98618	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL			4754	Columbia SE	DC access
FR98682	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
FR98683	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
FR98685	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
FR98686	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
FR98693	MW	0.01	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
FR98695	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL			4741	Strawberry	DC access
FR98696	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL			4741	Strawberry	DC access
FR98697	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
FR98701	MW	0.02	INV	UNT	ALL	NAT	ALL			ALL			4733	Cherry Lake N	DC access
FR98702	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
FR98708	MW	0.02	INV	UNT	ALL	NAT	ALL			ALL			4741	Strawberry	DC access
16EV191	CAL	0.13	INV	UNT	ATV	NAT	ATV			ATV	ATV		4912	Calaveras Dome	
17EV278	CAL	1.06	INV	UNT	ATV	NAT	ATV			ATV			4911	Tamarack	CL
17EV279	CAL	1.08	INV	UNT	ATV	NAT	ATV			ATV			4911	Tamarack	CL
18EV286	CAL	0.39	INV	UNT	ATV	NAT	ATV			ATV	ATV		4911	Tamarack	
17EV194	GR	0.39	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV196	GR	0.19	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV197	GR	0.35	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV197	GR	0.46	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	CL
17EV197A	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV317	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV318	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV319	GR	0.21	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV320	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV322	GR	0.04	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV323	GR	0.03	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
17EV324	GR	0.03	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
17EV325	GR	0.03	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
17EV326	GR	0.02	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
17EV327	GR	0.30	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
17EV328	GR	0.06	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
17EV329	GR	0.05	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
17EV330	GR	0.10	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
18EV268	GR	0.51	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
18EV34	GR	1.27	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
1S1727	GR	0.87		UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
1S1736	GR	0.46	MAP	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
1S17E35B	GR	0.34	INV	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
1S17M	GR	1.13	MAP	UNT	ATV	NAT	ATV						4574	Jawbone Ridge	
2S1804	GR	0.94	MAP	UNT	ATV	NAT	ATV						4563	Ascension Mt	
22	MW	0.08	INV	UNT	ATV	NAT	ATV			ATV	ATV		4743	Twain Harte	
15EV46	MW	0.28	INV	UNT	ATV	NAT	ATV						4754	Columbia SE	CL
15EV47	MW	0.63	INV	UNT	ATV	NAT	ATV						4754	Columbia SE	CL
15EV47A	MW	0.12	INV	UNT	ATV	NAT	ATV						4754	Columbia SE	CL
16EV123	MW	0.33	INV	UNT	ATV	NAT	ATV						4742	Crandall Peak	CL
16EV124	MW	0.15	INV	UNT	ATV	NAT	ATV						4742	Crandall Peak	CL
16EV152	MW	0.33	INV	UNT	ATV	NAT	ATV						4742	Crandall Peak	CL
16EV152	MW	0.56	INV	UNT	ATV	NAT	ATV						4742	Crandall Peak	CL
16EV223	MW	1.35	INV	UNT	ATV	NAT	ATV						4743	Twain Harte	CL
16EV78	MW	0.19	INV	UNT	ATV	NAT	ATV						4743	Twain Harte	CL
17EV15B	MW	0.79	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV162	MW	0.19	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV205	MW	0.25	INV	UNT	ATV	NAT	ATV			ATV	ATV		4743	Twain Harte	
17EV210	MW	1.09	INV	UNT	ATV	NAT	ATV						4742	Crandall Peak	CL
17EV236	MW	0.26	INV	UNT	ATV	NAT	ATV						4742	Crandall Peak	CL
17EV237	MW	0.16	INV	UNT	ATV	NAT	ATV			ATV	ATV		4742	Crandall Peak	
17EV241	MW	0.27	INV	UNT	ATV	NAT	ATV			ATV	ATV		4741	Strawberry	
17EV289	MW	0.66	INV	UNT	ATV	NAT	ATV						4743	Twain Harte	
17EV299	MW	0.59	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV37	MW	0.93	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV45	MW	1.68	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV51	MW	3.06	INV	UNT	ATV	NAT	ATV			ATV	ATV		4744	Hull Creek	
17EV54	MW	0.50	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV60	MW	0.55	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV67	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV	ATV		4744	Hull Creek	
17EV67A	MW	0.36	INV	UNT	ATV	NAT	ATV			ATV	ATV		4744	Hull Creek	
17EV71	MW	1.14	INV	UNT	ATV	NAT	ATV						4743	Twain Harte	CL
17EV75	MW	0.46	INV	UNT	ATV	NAT	ATV			ATV	ATV		4744	Hull Creek	
17EV78	MW	0.30	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV79	MW	1.29	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
17EV80	MW	0.23	INV	UNT	ATV	NAT	ATV			ATV	ATV		4744	Hull Creek	
17EV91	MW	1.03	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV100	MW	0.31	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	
18EV257	MW	0.18	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV258	MW	0.57	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV260	MW	0.28	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV271	MW	0.67	INV	UNT	ATV	NAT	ATV						4732	Pinecrest	CL
18EV276	MW	0.10	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV304	MW	0.13	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV34	MW	0.65	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV56	MW	1.38	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV63	MW	0.26	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV88	MW	0.03	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV88	MW	0.70	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
18EV90	MW	0.81	INV	UNT	ATV	NAT	ATV						4744	Hull Creek	CL
31818G	MW	0.15	GIS	UNR	ATV	NAT	ATV						4741	Strawberry	
17EV130	CAL	0.81	INV	UNT	MC	NAT	MC						4911	Tamarack	CL
17EV275	CAL	0.02	INV	UNT	MC	NAT	MC						4911	Tamarack	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV280	CAL	0.48	INV	UNT	MC	NAT	MC			MC			4911	Tamarack	CL
18EV288	CAL	1.96	INV	UNT	MC	NAT	MC			MC			4911	Tamarack	CL
17EV184	GR	0.60	INV	UNT	MC	NAT	MC			MC			4391	Buckhorn Peak	CL
15EV48	MW	0.64	INV	UNT	MC	NAT	MC			MC			4754	Columbia SE	CL
16EV101	MW	1.90	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV106	MW	1.50	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV108	MW	0.74	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV109	MW	0.61	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV109	MW	1.14	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV110	MW	1.15	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV111	MW	0.44	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV112	MW	0.17	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV115	MW	2.40	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV117	MW	0.21	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV133	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV136	MW	1.19	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV137	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV141	MW	0.87	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV154	MW	1.13	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV160	MW	1.31	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV176	MW	0.04	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV176	MW	0.50	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV177	MW	0.27	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV178	MW	0.66	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV229	MW	0.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV230	MW	0.78	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV236	MW	0.96	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV243	MW	0.31	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV244	MW	0.49	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV247	MW	0.68	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV248	MW	0.93	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV249	MW	0.28	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV251	MW	0.32	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV253	MW	0.89	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV254	MW	0.51	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV255	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV257	MW	1.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV257A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV258	MW	0.47	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV259	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV259A	MW	0.17	MAP	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV262	MW	0.09	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV265	MW	0.12	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV266	MW	0.21	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV266A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV267	MW	0.27	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV268	MW	0.38	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV269	MW	0.22	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV272	MW	0.53	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV296	MW	0.36	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV302	MW	0.31	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV303	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV304	MW	0.09	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV306	MW	0.16	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV54	MW	2.36	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV79	MW	0.61	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV79	MW	0.85	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV81	MW	0.54	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
17EV104	MW	0.87	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV117	MW	0.55	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV117	MW	0.57	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV118	MW	1.37	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV120	MW	0.11	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
17EV210A	MW	0.32	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV235	MW	0.59	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV283	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC	4741	Strawberry	
17EV85	MW	2.01	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV105	MW	0.69	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV110	MW	1.33	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV170	MW	1.13	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV170	MW	1.69	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV282	MW	0.15	INV	UNT	MC	NAT	MC			MC	MC	4732	Pinecrest	
18EV57	MW	0.86	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV67	MW	1.68	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV70	MW	0.68	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV77	MW	1.54	INV	UNT	MC	NAT	MC			MC		4733	Cherry Lake N	CL
16EV305	MW	0.54	INV	UNT	MC	NAT	PER			PER	PER	4742	Crandall Peak	
17EV121	MW	0.50	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.05	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.29	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
18EV289	CAL	0.53	INV	UNT	ALL	NAT				4WD		4911	Tamarack	
61602E	CAL	0.23	GIS	UNR	ALL	NAT				4WD		4912	Calaveras Dome	
1S1734A	GR	0.86	MAP	UNT	ALL	NAT				4WD		4574	Jawbone Ridge	
1S1811	GR	0.56	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	DC access
1S1822C	GR	0.31	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	DC access
1S1824	GR	0.36	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	
1S1907A	GR	0.39	MAP	UNT	ALL	NAT				4WD		4563	Ascension Mt	
1S1913	GR	0.72	MAP	UNT	ALL	NAT				ALL		4564	Ackerson Mt	
1S1920	GR	0.81	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	
FR10200	GR	0.37	MAP	UNT	ALL	NAT				ALL		4391	Buckhorn Peak	
FR83630	GR	0.21	INV	UNR	ALL	NAT				ALL		4744	Hull Creek	
16EV207	MW	0.03	INV	UNT	MC	NAT				MC		4754	Columbia SE	CL
16EV209	MW	0.14	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	CL
16EV222	MW	0.31	INV	UNT	MC	NAT				MC		4743	Twain Harte	
16EV240	MW	0.11	INV	UNT	MC	NAT				MC		4743	Twain Harte	CL
16EV258	MW	0.09	INV	UNT	MC	NAT				MC		4743	Twain Harte	CL
16EV259	MW	0.09	INV	UNT	MC	NAT				MC	MC	4743	Twain Harte	
16EV273	MW	0.19	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	
16EV299	MW	0.40	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	
16EV299B	MW	0.26	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	
17EV101	MW	1.06	INV	UNT	MC	NAT				MC		4742	Crandall Peak	CL
17EV12	MW	0.83	INV	UNT	ALL	NAT				ALL		4744	Hull Creek	CL
17EV15	MW	0.35	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV212	MW	1.19	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV23	MW	0.47	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV233	MW	0.13	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV233	MW	0.25	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV254	MW	0.12	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
17EV255	MW	0.48	INV	UNT	ATV	NAT				ATV		4741	Strawberry	
17EV263	MW	0.18	INV	UNT	ALL	NAT				ALL		4744	Hull Creek	CL
17EV266	MW	0.26	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
17EV28	MW	1.38	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV297	MW	0.49	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV306	MW	0.14	INV	UNT	ALL	NAT				4WD		4743	Twain Harte	
17EV50	MW	2.27	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	
17EV51	MW	0.84	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
18EV101A	MW	0.17	GPS	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV101B	MW	0.53	GPS	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV259	MW	0.48	INV	UNT	ATV	NAT				ATV		4733	Cherry Lake N	CL
18EV275	MW	0.31	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
18EV278	MW	0.60	INV	UNT	MC	NAT				MC		4732	Pinecrest	CL
18EV51	MW	0.54	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV94	MW	0.17	INV	UNT	ALL	NAT				ALL	ALL	4744	Hull Creek	
19EV100	MW	1.08	INV	UNT	ALL	NAT				ALL		4733	Cherry Lake N	CL
21711G	MW	0.70	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21711J	MW	0.28	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
EV14835	MW	0.19	INV	UNT	MC	NAT				MC		4742	Crandall Peak	
FR12319	MW	0.51	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR12319	MW	0.55	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR15091	MW	0.34	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR15091	MW	0.47	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
181.72														

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
18EV289	CAL	0.53	INV	UNT	ALL	NAT				4WD		4911	Tamarack	
18EV297	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV298	CAL	0.18	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV299	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV300	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV301	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV303	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV110	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV111	CAL	0.32	INV	UNT	ALL	NAT	4WD			4WD		5063	Pacific Valley	CL
19EV111A	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV112	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
19EV113	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV100	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV101A	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
61602E	CAL	0.23	GIS	UNR	ALL	NAT				4WD		4912	Calaveras Dome	
FR8437	CAL	0.13	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4901	Dardanelles Cone	
FR8784	CAL	0.07	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9090	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	
FR9438	CAL	0.10	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9439	CAL	0.16	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9440	CAL	0.04	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9441	CAL	0.18	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4911	Tamarack	
FR98623	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98624	CAL	0.20	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98625	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98638	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98661	CAL	0.12	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98662	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
FR98663	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
11808B	GR	0.03	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
11908M	GR	0.13	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
1S1728	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
1S1734A	GR	0.86	MAP	UNT	ALL	NAT				4WD		4574	Jawbone Ridge	
1S1822B	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1907A	GR	0.39	MAP	UNT	ALL	NAT				4WD		4563	Ascension Mt	
1S1929	GR	0.15	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
1S1929C	GR	0.19	GIS	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR10178	GR	0.64	MAP	UNR	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	
FR14721	GR	0.12	MAP	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	
FR8165	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR8472	GR	0.18	MAP	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR8986	GR	0.51	MAP	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR9140	GR	0.04	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR9359	GR	0.13	MAP	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	
FR98476	GR	0.50	INV	UNT	ALL	NAT	4WD			4WD		4381	El Portal	DC access
FR98477	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4381	El Portal	DC access
FR98481	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98483	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98484	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98485	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98488	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98491	GR	0.19	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98495	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98501	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98502	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98503	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98506	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98507	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98508	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98509	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98510	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98511	GR	0.15	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98520	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98523	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98531	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98535	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98537	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98538	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98540	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4561	Lake Eleanor	DC access
FR98544	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98548	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98552	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98553	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98554	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98555	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4564	Ackerson Mt	DC access
FR98575	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4573	Groveland	DC access
FR98583	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98584	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98585	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98586	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98587	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98593	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98670	GR	0.20	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98672	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98674	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98675	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98676	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FS08490	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
15EV43C	MW	0.69	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
15EV43G	MW	0.51	INV	UNT	ALL	NAT	4WD			4WD		4753	Columbia	DC access
16EV263	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
17EV212	MW	1.19	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV23	MW	0.47	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV306	MW	0.14	INV	UNT	ALL	NAT				4WD		4743	Twain Harte	
FR98612	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98679	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98680	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98694	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98707	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
17EV275	CAL	0.01	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
17EV307	CAL	0.09	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	
18EV287	CAL	1.34	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
18EV292	CAL	0.08	INV	UNT	ALL	NAT	4WD			ALL	4WD	4911	Tamarack	
18EV293	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
18EV295	CAL	0.30	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
18EV295A	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
61618A	CAL	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4924	Dorrington	
FR10176	CAL	0.09	MAP	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR14617	CAL	0.04	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4912	Calaveras Dome	
FR9084	CAL	0.17	MAP	UNT	ALL	NAT	ALL			ALL		4913	Boards Crossing	DC access
FR9501	CAL	0.09	MAP	UNR	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
FR98607	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4924	Dorrington	DC access
FR98622	CAL	0.04	INV	UNT	ALL	NAT	ALL			ALL		4913	Boards Crossing	DC access
FR98627	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4913	Boards Crossing	DC access
FR98630	CAL	0.04	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	DC access
FR98631	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	DC access
FR98633	CAL	0.10	INV	UNT	ALL	NAT	ALL			ALL		4921	Garnet Hill	DC access
FR98634	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4921	Garnet Hill	DC access
FR98636	CAL	0.11	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98637	CAL	0.07	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98639	CAL	0.14	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98643	CAL	0.08	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98644	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL		4912	Calaveras Dome	DC access
FR98646	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
FR98647	CAL	0.04	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access
FR98660	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
17EV182	GR	1.62	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV183	GR	0.64	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV192	GR	0.63	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192A	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192B	GR	0.15	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV195	GR	0.50	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	CL
17EV321	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV331	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV332	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV901	GR	0.37	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
18EV269	GR	0.16	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
1N1829	GR	0.08	MAP	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
1S1811	GR	0.56	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	DC access
1S1822C	GR	0.31	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	DC access
1S1824	GR	0.36	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	
1S1902	GR	0.24	MAP	UNT	ALL	NAT	4WD			ALL		4561	Lake Eleanor	DC access
1S1909	GR	0.25	MAP	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
1S1913	GR	0.72	MAP	UNT	ALL	NAT				ALL		4564	Ackerson Mt	
1S1920	GR	0.81	MAP	UNT	ALL	NAT				ALL		4563	Ascension Mt	
1S1930	GR	1.69	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4563	Ascension Mt	
1S1933	GR	0.37	MAP	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
2N1820	GR	0.34	MAP	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
2N1905	GR	0.25	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4733	Cherry Lake N	
2S1906	GR	0.42	MAP	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR10200	GR	0.37	MAP	UNT	ALL	NAT				ALL		4391	Buckhorn Peak	
FR4688	GR	0.73	MAP	UNR	ALL	NAT	ALL			ALL	ALL	4574	Jawbone Ridge	
FR5540	GR	0.47	MAP	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR6468	GR	0.02	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6468	GR	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6468	GR	0.18	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6550	GR	2.27	MAP	UNR	ALL	NAT	ALL			ALL		4573	Groveland	CL
FR83630	GR	0.21	INV	UNR	ALL	NAT				ALL		4744	Hull Creek	
FR8516	GR	0.05	MAP	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR8601	GR	0.47	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR8762	GR	0.13	MAP	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR8843	GR	0.86	MAP	UNT	ALL	NAT	ALL			ALL		4391	Buckhorn Peak	DC access
FR98472	GR	0.67	MAP	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR98479	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4381	El Portal	DC access
FR98482	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98486	GR	0.21	INV	UNT	ALL	NAT	ALL			ALL		4391	Buckhorn Peak	DC access
FR98492	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98493	GR	0.02	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98494	GR	0.02	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98496	GR	0.28	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98504	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98513	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98514	GR	0.04	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98515	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98522	GR	0.04	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98524	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98529	GR	0.13	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98530	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98533	GR	0.10	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98539	GR	0.10	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98541	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98545	GR	0.05	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98546	GR	0.03	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98547	GR	0.08	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98549	GR	0.39	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98550	GR	0.17	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98551	GR	0.02	INV	UNT	ALL	NAT	ALL			ALL		4381	El Portal	DC access
FR98560	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR98563	GR	0.86	INV	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98566	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL			4391	Buckhorn Peak	DC access
FR98577	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL			4561	Lake Eleanor	DC access
FR98580	GR	0.13	INV	UNT	ALL	NAT	4WD			ALL			4562	Cherry Lake S	DC access
FR98581	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL			4562	Cherry Lake S	DC access
FR98582	GR	0.06	INV	UNT	ALL	NAT	4WD			ALL			4562	Cherry Lake S	DC access
FR98591	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98592	GR	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
FR98671	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	DC access
11715A	MW	0.52	MAP	UNR	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
15EV38	MW	0.60	INV	UNT	ALL	NAT	ALL			ALL	ALL		4754	Columbia SE	
15EV54	MW	0.18	INV	UNT	ALL	NAT	ALL			ALL			4754	Columbia SE	CL
16E182	MW	0.27	GIS	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
16E182A	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
16E183	MW	1.26	GIS	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	
16EV01	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV155	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	CL
16EV210	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV211	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV213	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV237	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV256	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4742	Crandall Peak	
16EV292	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
16EV318	MW	0.45	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
17EV11	MW	0.48	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	
17EV11	MW	0.91	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV12	MW	0.83	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV14	MW	0.74	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV153	MW	0.25	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV153	MW	0.31	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV157	MW	0.11	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV160	MW	0.15	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV202	MW	0.38	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
17EV220	MW	0.33	INV	UNT	ALL	NAT	4WD			ALL	4WD		4743	Twain Harte	
17EV220B	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL	4WD		4743	Twain Harte	
17EV231	MW	0.32	INV	UNT	ALL	NAT	4WD			ALL			4743	Twain Harte	DC access
17EV238	MW	0.68	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV238A	MW	0.29	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV239	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV240	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV245	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD		4741	Strawberry	
17EV249	MW	0.12	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV249A	MW	0.10	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV254	MW	0.12	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
17EV261	MW	0.18	INV	UNT	ALL	NAT	4WD			ALL	4WD		4744	Hull Creek	
17EV261A	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD		4744	Hull Creek	
17EV263	MW	0.18	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV264	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV266	MW	0.26	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
17EV267	MW	0.22	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV268	MW	0.39	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV281	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV282	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL	ALL		4741	Strawberry	
17EV28A	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV290	MW	0.40	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV293	MW	0.79	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV300	MW	0.23	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
17EV303	MW	0.83	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV34	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV53	MW	2.97	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV58	MW	1.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV60	MW	0.51	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV88	MW	1.53	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV100	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
18EV106	MW	0.41	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV133	MW	0.35	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV134	MW	3.19	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV270	MW	0.36	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	CL
18EV275	MW	0.31	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
18EV277	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
18EV281	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV283	MW	0.28	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV284	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV304	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV308	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV309	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
18EV310	MW	0.56	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV315	MW	0.36	INV	UNT	ALL	NAT	4WD			ALL	4WD	4741	Strawberry	
18EV91	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
18EV94	MW	0.17	INV	UNT	ALL	NAT				ALL	ALL	4744	Hull Creek	
18EV95	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
19EV100	MW	1.08	INV	UNT	ALL	NAT				ALL		4733	Cherry Lake N	CL
19EV101	MW	0.57	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
19EV29	MW	0.47	INV	UNT	ATV	NAT	ALL			ALL		4732	Pinecrest	DC access
21703A	MW	0.08	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21703C	MW	0.52	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21704A	MW	0.39	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21704B	MW	0.21	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
31614C	MW	0.05	GIS	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
31623G	MW	0.41	GIS	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
31734B	MW	0.09	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
31736A	MW	0.17	GIS	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
31821C	MW	0.20	GIS	UNR	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
31821H	MW	0.10	GIS	UNT	ALL	NAT	ALL			ALL		4733	Cherry Lake N	DC access
41735B	MW	0.06	GIS	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
EV681	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
FR13563	MW	0.05	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
FR98590	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98596	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98597	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98598	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98599	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98601	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98602	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98603	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98604	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98608	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98609	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98616	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98617	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4754	Columbia SE	DC access
FR98618	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4754	Columbia SE	DC access
FR98619	MW	0.11	INV	UNT	ALL	NAT	4WD			ALL		4754	Columbia SE	DC access
FR98620	MW	0.08	INV	UNT	ALL	NAT	4WD			ALL		4754	Columbia SE	DC access
FR98682	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98683	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98685	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98686	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98688	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98689	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98690	MW	0.04	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98691	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98692	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98693	MW	0.01	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98695	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4741	Strawberry	DC access
FR98696	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4741	Strawberry	DC access
FR98697	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98699	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL		4733	Cherry Lake N	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98700	MW	0.02	INV	UNT	ALL	NAT	4WD			ALL		4733	Cherry Lake N	DC access
FR98701	MW	0.02	INV	UNT	ALL	NAT	ALL			ALL		4733	Cherry Lake N	DC access
FR98702	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98703	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98704	MW	0.15	INV	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
FR98705	MW	0.04	INV	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
FR98708	MW	0.02	INV	UNT	ALL	NAT	ALL			ALL		4741	Strawberry	DC access
16EV191	CAL	0.13	INV	UNT	ATV	NAT	ATV			ATV	ATV	4912	Calaveras Dome	
17EV278	CAL	1.06	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
17EV279	CAL	1.08	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
18EV286	CAL	0.39	INV	UNT	ATV	NAT	ATV			ATV	ATV	4911	Tamarack	
17EV194	GR	0.39	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV196	GR	0.19	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.35	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.46	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	CL
17EV197A	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV317	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV318	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV319	GR	0.21	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV320	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV322	GR	0.04	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV323	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV324	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV325	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV326	GR	0.02	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV327	GR	0.30	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV328	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV329	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV330	GR	0.10	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
18EV268	GR	0.51	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
18EV34	GR	1.27	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
1S1727	GR	0.87		UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
1S1736	GR	0.46	MAP	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
1S17E35B	GR	0.34	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
1S17M	GR	1.13	MAP	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
2S1804	GR	0.94	MAP	UNT	ATV	NAT	ATV			ATV		4563	Ascension Mt	
22	MW	0.08	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
15EV46	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47	MW	0.63	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47A	MW	0.12	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
16EV123	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV124	MW	0.15	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV152	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV152	MW	0.56	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV209	MW	0.14	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	CL
16EV223	MW	1.35	INV	UNT	ATV	NAT	ATV			ATV		4743	Twain Harte	CL
16EV273	MW	0.19	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	
16EV299	MW	0.40	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	
16EV299B	MW	0.26	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	
16EV78	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV		4743	Twain Harte	CL
17EV15	MW	0.35	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV15B	MW	0.79	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV162	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV205	MW	0.25	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
17EV210	MW	1.09	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
17EV233	MW	0.13	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV233	MW	0.25	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV236	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
17EV237	MW	0.16	INV	UNT	ATV	NAT	ATV			ATV	ATV	4742	Crandall Peak	
17EV241	MW	0.27	INV	UNT	ATV	NAT	ATV			ATV	ATV	4741	Strawberry	
17EV255	MW	0.48	INV	UNT	ATV	NAT				ATV		4741	Strawberry	
17EV28	MW	1.38	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV289	MW	0.66	INV	UNT	ATV	NAT	ATV			ATV		4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
17EV297	MW	0.49	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV299	MW	0.59	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV37	MW	0.93	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV45	MW	1.68	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV50	MW	2.27	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	
17EV51	MW	0.84	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV51	MW	3.06	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV54	MW	0.50	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV60	MW	0.55	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV67	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV67A	MW	0.36	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV71	MW	1.14	INV	UNT	ATV	NAT	ATV			ATV		4743	Twain Harte	CL
17EV75	MW	0.46	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV78	MW	0.30	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV79	MW	1.29	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV80	MW	0.23	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV91	MW	1.03	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV100	MW	0.31	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	
18EV101A	MW	0.17	GPS	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV101B	MW	0.53	GPS	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV257	MW	0.18	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV258	MW	0.57	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV259	MW	0.48	INV	UNT	ATV	NAT				ATV		4733	Cherry Lake N	CL
18EV260	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV271	MW	0.67	INV	UNT	ATV	NAT	ATV			ATV		4732	Pinecrest	CL
18EV276	MW	0.10	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV304	MW	0.13	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV34	MW	0.65	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV51	MW	0.54	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV56	MW	1.38	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV63	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV88	MW	0.03	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV88	MW	0.70	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV90	MW	0.81	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
21711G	MW	0.70	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21711J	MW	0.28	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
31818G	MW	0.15	GIS	UNR	ATV	NAT	ATV			ATV		4741	Strawberry	
FR12319	MW	0.51	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR12319	MW	0.55	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR15091	MW	0.34	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR15091	MW	0.47	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
17EV130	CAL	0.81	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV275	CAL	0.02	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV280	CAL	0.48	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
18EV288	CAL	1.96	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV184	GR	0.60	INV	UNT	MC	NAT	MC			MC		4391	Buckhorn Peak	CL
15EV48	MW	0.64	INV	UNT	MC	NAT	MC			MC		4754	Columbia SE	CL
16EV101	MW	1.90	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV106	MW	1.50	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV108	MW	0.74	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV109	MW	0.61	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV109	MW	1.14	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV110	MW	1.15	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV111	MW	0.44	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV112	MW	0.17	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV115	MW	2.40	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV117	MW	0.21	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV133	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV136	MW	1.19	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV137	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV141	MW	0.87	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV154	MW	1.13	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV160	MW	1.31	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
16EV176	MW	0.04	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV176	MW	0.50	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV177	MW	0.27	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV178	MW	0.66	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV207	MW	0.03	INV	UNT	MC	NAT				MC		4754	Columbia SE	CL
16EV222	MW	0.31	INV	UNT	MC	NAT				MC		4743	Twain Harte	
16EV229	MW	0.37	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV230	MW	0.78	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV236	MW	0.96	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV240	MW	0.11	INV	UNT	MC	NAT				MC		4743	Twain Harte	CL
16EV243	MW	0.31	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV244	MW	0.49	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV247	MW	0.68	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV248	MW	0.93	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV249	MW	0.28	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV251	MW	0.32	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV253	MW	0.89	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV254	MW	0.51	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV255	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV257	MW	1.37	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV257A	MW	0.03	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV258	MW	0.09	INV	UNT	MC	NAT				MC		4743	Twain Harte	CL
16EV258	MW	0.47	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV259	MW	0.09	INV	UNT	MC	NAT				MC	MC	4743	Twain Harte	
16EV259	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV259A	MW	0.17	MAP	UNT	MC	NAT	MC			MC		4743	Twain Harte	
16EV262	MW	0.09	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV265	MW	0.12	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV266	MW	0.21	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	
16EV266A	MW	0.03	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	
16EV267	MW	0.27	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	
16EV268	MW	0.38	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV269	MW	0.22	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV272	MW	0.53	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV296	MW	0.36	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	
16EV302	MW	0.31	INV	UNT	MC	NAT	MC			MC	MC	4743	Twain Harte	
16EV303	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV304	MW	0.09	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
16EV306	MW	0.16	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV54	MW	2.36	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV79	MW	0.61	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV79	MW	0.85	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV81	MW	0.54	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
17EV101	MW	1.06	INV	UNT	MC	NAT				MC		4742	Crandall Peak	CL
17EV104	MW	0.87	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
17EV117	MW	0.55	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
17EV117	MW	0.57	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
17EV118	MW	1.37	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
17EV120	MW	0.11	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
17EV210A	MW	0.32	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV235	MW	0.59	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV283	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC	4741	Strawberry	
17EV85	MW	2.01	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV105	MW	0.69	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV110	MW	1.33	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV170	MW	1.13	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV170	MW	1.69	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV278	MW	0.60	INV	UNT	MC	NAT				MC		4732	Pinecrest	CL
18EV282	MW	0.15	INV	UNT	MC	NAT	MC			MC	MC	4732	Pinecrest	
18EV57	MW	0.86	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV67	MW	1.68	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV70	MW	0.68	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV77	MW	1.54	INV	UNT	MC	NAT	MC			MC		4733	Cherry Lake N	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
EV14835	MW	0.19	INV	UNT	MC	NAT				MC		4742	Crandall Peak	
16EV305	MW	0.54	INV	UNT	MC	NAT	PER			PER	PER	4742	Crandall Peak	
17EV121	MW	0.50	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.05	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.29	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
181.72														

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
18EV292	CAL	0.08	INV	UNT	ALL	NAT	4WD			ALL	4WD	4911	Tamarack	
18EV297	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV298	CAL	0.18	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV299	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV300	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV301	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV303	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV110	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV111A	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV112	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
20EV101A	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR8437	CAL	0.13	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4901	Dardanelles Cone	
FR8784	CAL	0.07	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9438	CAL	0.10	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9439	CAL	0.16	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9440	CAL	0.04	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9441	CAL	0.18	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4911	Tamarack	
17EV220	MW	0.33	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV220B	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV245	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD	4741	Strawberry	
17EV261	MW	0.18	INV	UNT	ALL	NAT	4WD			ALL	4WD	4744	Hull Creek	
17EV261A	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD	4744	Hull Creek	
18EV315	MW	0.36	INV	UNT	ALL	NAT	4WD			ALL	4WD	4741	Strawberry	
FR14617	CAL	0.04	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4912	Calaveras Dome	
17EV182	GR	1.62	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV183	GR	0.64	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
1S1930	GR	1.69	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4563	Ascension Mt	
2N1905	GR	0.25	MAP	UNT	ALL	NAT	ALL			ALL	ALL	4733	Cherry Lake N	
FR4688	GR	0.73	MAP	UNR	ALL	NAT	ALL			ALL	ALL	4574	Jawbone Ridge	
15EV38	MW	0.60	INV	UNT	ALL	NAT	ALL			ALL	ALL	4754	Columbia SE	
16EV256	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL	4742	Crandall Peak	
17EV157	MW	0.11	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV160	MW	0.15	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV238	MW	0.68	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV238A	MW	0.29	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV239	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV240	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV281	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV282	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV28A	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV290	MW	0.40	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV300	MW	0.23	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
18EV277	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
18EV309	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
18EV91	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
18EV94	MW	0.17	INV	UNT	ALL	NAT				ALL	ALL	4744	Hull Creek	
21703A	MW	0.08	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21703C	MW	0.52	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21704A	MW	0.39	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21704B	MW	0.21	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
31734B	MW	0.09	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
FR13563	MW	0.05	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
16EV191	CAL	0.13	INV	UNT	ATV	NAT	ATV			ATV	ATV	4912	Calaveras Dome	
18EV286	CAL	0.39	INV	UNT	ATV	NAT	ATV			ATV	ATV	4911	Tamarack	
22	MW	0.08	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
17EV205	MW	0.25	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
17EV237	MW	0.16	INV	UNT	ATV	NAT	ATV			ATV	ATV	4742	Crandall Peak	
17EV241	MW	0.27	INV	UNT	ATV	NAT	ATV			ATV	ATV	4741	Strawberry	
17EV51	MW	3.06	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV67	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV67A	MW	0.36	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV75	MW	0.46	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	
17EV80	MW	0.23	INV	UNT	ATV	NAT	ATV			ATV	ATV	4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
16EV109	MW	0.61	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV109	MW	1.14	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV111	MW	0.44	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV117	MW	0.21	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV133	MW	0.43	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV136	MW	1.19	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV137	MW	0.45	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV141	MW	0.87	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV176	MW	0.04	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV176	MW	0.50	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV177	MW	0.27	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV236	MW	0.96	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV244	MW	0.49	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV247	MW	0.68	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV249	MW	0.28	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV254	MW	0.51	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV255	MW	0.43	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV259	MW	0.09	INV	UNT	MC	NAT			MC	MC	4743	Twain Harte		
16EV259	MW	0.45	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV302	MW	0.31	INV	UNT	MC	NAT	MC		MC	MC	4743	Twain Harte		
16EV303	MW	0.20	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
16EV304	MW	0.09	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
17EV210A	MW	0.32	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
17EV235	MW	0.59	INV	UNT	MC	NAT	MC		MC	MC	4742	Crandall Peak		
17EV283	MW	0.20	INV	UNT	MC	NAT	MC		MC	MC	4741	Strawberry		
18EV282	MW	0.15	INV	UNT	MC	NAT	MC		MC	MC	4732	Pinecrest		
16EV305	MW	0.54	INV	UNT	MC	NAT	PER		PER	PER	4742	Crandall Peak		
17EV130	CAL	0.81	INV	UNT	MC	NAT	MC		MC		4911	Tamarack	CL	
17EV275	CAL	0.01	INV	UNT	ALL	NAT	ALL		ALL		4911	Tamarack	CL	
17EV275	CAL	0.02	INV	UNT	MC	NAT	MC		MC		4911	Tamarack	CL	
17EV278	CAL	1.06	INV	UNT	ATV	NAT	ATV		ATV		4911	Tamarack	CL	
17EV279	CAL	1.08	INV	UNT	ATV	NAT	ATV		ATV		4911	Tamarack	CL	
17EV280	CAL	0.48	INV	UNT	MC	NAT	MC		MC		4911	Tamarack	CL	
17EV307	CAL	0.09	INV	UNT	ALL	NAT	ALL		ALL		4914	Liberty Hill		
18EV287	CAL	1.34	INV	UNT	ALL	NAT	ALL		ALL		4911	Tamarack	CL	
18EV288	CAL	1.96	INV	UNT	MC	NAT	MC		MC		4911	Tamarack	CL	
18EV289	CAL	0.53	INV	UNT	ALL	NAT			4WD		4911	Tamarack		
18EV293	CAL	0.06	INV	UNT	ALL	NAT	ALL		ALL		4911	Tamarack	DC access	
18EV295	CAL	0.30	INV	UNT	ALL	NAT	ALL		ALL		4911	Tamarack	DC access	
18EV295A	CAL	0.06	INV	UNT	ALL	NAT	ALL		ALL		4911	Tamarack	DC access	
19EV111	CAL	0.32	INV	UNT	ALL	NAT	4WD		4WD		5063	Pacific Valley	CL	
19EV113	CAL	0.04	INV	UNT	ALL	NAT	4WD		4WD		5064	Ebbetts Pass	CL	
20EV100	CAL	0.09	INV	UNT	ALL	NAT	4WD		4WD		5064	Ebbetts Pass	CL	
61602E	CAL	0.23	GIS	UNR	ALL	NAT			4WD		4912	Calaveras Dome		
61618A	CAL	0.04	MAP	UNR	ALL	NAT	ALL		ALL		4924	Dorrington		
FR10176	CAL	0.09	MAP	UNT	ALL	NAT	ALL		ALL		4912	Calaveras Dome	DC access	
FR9084	CAL	0.17	MAP	UNT	ALL	NAT	ALL		ALL		4913	Boards Crossing	DC access	
FR9090	CAL	0.17	MAP	UNT	ALL	NAT	4WD		4WD		4911	Tamarack		
FR9501	CAL	0.09	MAP	UNR	ALL	NAT	ALL		ALL		4911	Tamarack	DC access	
FR98607	CAL	0.05	INV	UNT	ALL	NAT	ALL		ALL		4924	Dorrington	DC access	
FR98622	CAL	0.04	INV	UNT	ALL	NAT	ALL		ALL		4913	Boards Crossing	DC access	
FR98623	CAL	0.05	INV	UNT	ALL	NAT	4WD		4WD		4913	Boards Crossing	DC access	
FR98624	CAL	0.20	INV	UNT	ALL	NAT	4WD		4WD		4913	Boards Crossing	DC access	
FR98625	CAL	0.06	INV	UNT	ALL	NAT	4WD		4WD		4913	Boards Crossing	DC access	
FR98627	CAL	0.06	INV	UNT	ALL	NAT	ALL		ALL		4913	Boards Crossing	DC access	
FR98630	CAL	0.04	INV	UNT	ALL	NAT	ALL		ALL		4914	Liberty Hill	DC access	
FR98631	CAL	0.06	INV	UNT	ALL	NAT	ALL		ALL		4914	Liberty Hill	DC access	
FR98633	CAL	0.10	INV	UNT	ALL	NAT	ALL		ALL		4921	Garnet Hill	DC access	
FR98634	CAL	0.05	INV	UNT	ALL	NAT	ALL		ALL		4921	Garnet Hill	DC access	
FR98636	CAL	0.11	INV	UNT	ALL	NAT	ALL		ALL		4912	Calaveras Dome	DC access	
FR98637	CAL	0.07	INV	UNT	ALL	NAT	ALL		ALL		4912	Calaveras Dome	DC access	
FR98638	CAL	0.04	INV	UNT	ALL	NAT	4WD		4WD		4912	Calaveras Dome	DC access	
FR98639	CAL	0.14	INV	UNT	ALL	NAT	ALL		ALL		4912	Calaveras Dome	DC access	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98643	CAL	0.08	INV	UNT	ALL	NAT	ALL			ALL			4912	Calaveras Dome	DC access
FR98644	CAL	0.06	INV	UNT	ALL	NAT	ALL			ALL			4912	Calaveras Dome	DC access
FR98646	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL			4911	Tamarack	DC access
FR98647	CAL	0.04	INV	UNT	ALL	NAT	ALL			ALL			4911	Tamarack	DC access
FR98660	CAL	0.05	INV	UNT	ALL	NAT	ALL			ALL			4911	Tamarack	DC access
FR98661	CAL	0.12	INV	UNT	ALL	NAT	4WD			4WD			4911	Tamarack	DC access
FR98662	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD			5064	Ebbetts Pass	DC access
FR98663	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD			5064	Ebbetts Pass	DC access
11808B	GR	0.03	GIS	UNT	ALL	NAT	4WD			4WD			4571	Duckwall Mt	DC access
11908M	GR	0.13	GIS	UNT	ALL	NAT	4WD			4WD			4571	Duckwall Mt	DC access
17EV184	GR	0.60	INV	UNT	MC	NAT	MC			MC			4391	Buckhorn Peak	CL
17EV192	GR	0.63	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV192A	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV192B	GR	0.15	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV194	GR	0.39	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV195	GR	0.50	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	CL
17EV196	GR	0.19	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV197	GR	0.35	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV197	GR	0.46	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	CL
17EV197A	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV317	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV318	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV319	GR	0.21	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV320	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV321	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV322	GR	0.04	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV323	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV324	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV325	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV326	GR	0.02	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV327	GR	0.30	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV328	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV329	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV330	GR	0.10	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
17EV331	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV332	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV901	GR	0.37	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
18EV268	GR	0.51	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
18EV269	GR	0.16	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
18EV34	GR	1.27	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
1N1829	GR	0.08	MAP	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
1S1727	GR	0.87		UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S1728	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
1S1734A	GR	0.86	MAP	UNT	ALL	NAT				4WD			4574	Jawbone Ridge	
1S1736	GR	0.46	MAP	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S17E35B	GR	0.34	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S17M	GR	1.13	MAP	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S1811	GR	0.56	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	DC access
1S1822B	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1822C	GR	0.31	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	DC access
1S1824	GR	0.36	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	
1S1902	GR	0.24	MAP	UNT	ALL	NAT	4WD			ALL			4561	Lake Eleanor	DC access
1S1907A	GR	0.39	MAP	UNT	ALL	NAT				4WD			4563	Ascension Mt	
1S1909	GR	0.25	MAP	UNT	ALL	NAT	4WD			ALL			4563	Ascension Mt	DC access
1S1913	GR	0.72	MAP	UNT	ALL	NAT				ALL			4564	Ackerson Mt	
1S1920	GR	0.81	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	
1S1929	GR	0.15	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1929C	GR	0.19	GIS	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1933	GR	0.37	MAP	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
2N1820	GR	0.34	MAP	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
2S1804	GR	0.94	MAP	UNT	ATV	NAT	ATV			ATV			4563	Ascension Mt	
2S1906	GR	0.42	MAP	UNT	ALL	NAT	ALL			ALL			4563	Ascension Mt	DC access
FR10178	GR	0.64	MAP	UNR	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR10200	GR	0.37	MAP	UNT	ALL	NAT				ALL		4391	Buckhorn Peak	
FR14721	GR	0.12	MAP	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	
FR5540	GR	0.47	MAP	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR6468	GR	0.02	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6468	GR	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6468	GR	0.18	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	
FR6550	GR	2.27	MAP	UNR	ALL	NAT	ALL			ALL		4573	Groveland	CL
FR8165	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR83630	GR	0.21	INV	UNR	ALL	NAT				ALL		4744	Hull Creek	
FR8472	GR	0.18	MAP	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR8516	GR	0.05	MAP	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR8601	GR	0.47	MAP	UNR	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR8762	GR	0.13	MAP	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR8843	GR	0.86	MAP	UNT	ALL	NAT	ALL			ALL		4391	Buckhorn Peak	DC access
FR8986	GR	0.51	MAP	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR9140	GR	0.04	MAP	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR9359	GR	0.13	MAP	UNR	ALL	NAT	4WD			4WD		4563	Ascension Mt	
FR98472	GR	0.67	MAP	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR98476	GR	0.50	INV	UNT	ALL	NAT	4WD			4WD		4381	El Portal	DC access
FR98477	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4381	El Portal	DC access
FR98479	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4381	El Portal	DC access
FR98481	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98482	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98483	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98484	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98485	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98486	GR	0.21	INV	UNT	ALL	NAT	ALL			ALL		4391	Buckhorn Peak	DC access
FR98488	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98491	GR	0.19	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98492	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98493	GR	0.02	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98494	GR	0.02	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98495	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98496	GR	0.28	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98501	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98502	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98503	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98504	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98506	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98507	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98508	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98509	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98510	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98511	GR	0.15	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98513	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98514	GR	0.04	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98515	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL		4382	Kinsley	DC access
FR98520	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98522	GR	0.04	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98523	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98524	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98529	GR	0.13	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98530	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98531	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98533	GR	0.10	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98535	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98537	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98538	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98539	GR	0.10	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98540	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4561	Lake Eleanor	DC access
FR98541	GR	0.07	INV	UNT	ALL	NAT	ALL			ALL		4563	Ascension Mt	DC access
FR98544	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98545	GR	0.05	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98546	GR	0.03	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98547	GR	0.08	INV	UNT	ALL	NAT	4WD			ALL		4563	Ascension Mt	DC access
FR98548	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98549	GR	0.39	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98550	GR	0.17	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98551	GR	0.02	INV	UNT	ALL	NAT	ALL			ALL		4381	El Portal	DC access
FR98552	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD		4563	Ascension Mt	DC access
FR98553	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD		4391	Buckhorn Peak	DC access
FR98554	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4382	Kinsley	DC access
FR98555	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD		4564	Ackerson Mt	DC access
FR98560	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR98563	GR	0.86	INV	UNT	ALL	NAT	ALL			ALL		4564	Ackerson Mt	DC access
FR98566	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4391	Buckhorn Peak	DC access
FR98575	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD		4573	Groveland	DC access
FR98577	GR	0.03	INV	UNT	ALL	NAT	ALL			ALL		4561	Lake Eleanor	DC access
FR98580	GR	0.13	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98581	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL		4562	Cherry Lake S	DC access
FR98582	GR	0.06	INV	UNT	ALL	NAT	4WD			ALL		4562	Cherry Lake S	DC access
FR98583	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98584	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98585	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98586	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98587	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98591	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98592	GR	0.08	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98593	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98670	GR	0.20	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
FR98671	GR	0.09	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	DC access
FR98672	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD		4562	Cherry Lake S	DC access
FR98674	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98675	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FR98676	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD		4562	Cherry Lake S	
FS08490	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD		4574	Jawbone Ridge	DC access
11715A	MW	0.52	MAP	UNR	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
15EV43C	MW	0.69	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
15EV43G	MW	0.51	INV	UNT	ALL	NAT	4WD			4WD		4753	Columbia	DC access
15EV46	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47	MW	0.63	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV47A	MW	0.12	INV	UNT	ATV	NAT	ATV			ATV		4754	Columbia SE	CL
15EV48	MW	0.64	INV	UNT	MC	NAT	MC			MC		4754	Columbia SE	CL
15EV54	MW	0.18	INV	UNT	ALL	NAT	ALL			ALL		4754	Columbia SE	CL
16E182	MW	0.27	GIS	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
16E182A	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
16E183	MW	1.26	GIS	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	
16EV01	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
16EV101	MW	1.90	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV106	MW	1.50	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV108	MW	0.74	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV110	MW	1.15	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV112	MW	0.17	INV	UNT	MC	NAT	MC			MC		4743	Twain Harte	CL
16EV115	MW	2.40	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV123	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV124	MW	0.15	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV152	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV152	MW	0.56	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
16EV154	MW	1.13	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV155	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	CL
16EV160	MW	1.31	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV178	MW	0.66	INV	UNT	MC	NAT	MC			MC		4742	Crandall Peak	CL
16EV207	MW	0.03	INV	UNT	MC	NAT				MC		4754	Columbia SE	CL
16EV209	MW	0.14	INV	UNT	ATV	NAT				ATV		4743	Twain Harte	CL
16EV210	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
16EV211	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
16EV213	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV222	MW	0.31	INV	UNT	MC	NAT				MC			4743	Twain Harte	
16EV223	MW	1.35	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV229	MW	0.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV230	MW	0.78	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV237	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV240	MW	0.11	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV243	MW	0.31	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV248	MW	0.93	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV251	MW	0.32	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV253	MW	0.89	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV257	MW	1.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV257A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV258	MW	0.09	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV258	MW	0.47	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV259A	MW	0.17	MAP	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV262	MW	0.09	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV263	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV265	MW	0.12	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV266	MW	0.21	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV266A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV267	MW	0.27	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV268	MW	0.38	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV269	MW	0.22	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV272	MW	0.53	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV273	MW	0.19	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV292	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	DC access
16EV296	MW	0.36	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV299	MW	0.40	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV299B	MW	0.26	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV306	MW	0.16	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV318	MW	0.45	INV	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	DC access
16EV54	MW	2.36	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV78	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV79	MW	0.61	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV79	MW	0.85	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV81	MW	0.54	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
17EV101	MW	1.06	INV	UNT	MC	NAT				MC			4742	Crandall Peak	CL
17EV104	MW	0.87	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV11	MW	0.48	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	
17EV11	MW	0.91	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV117	MW	0.55	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV117	MW	0.57	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV118	MW	1.37	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV12	MW	0.83	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV120	MW	0.11	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV121	MW	0.50	INV	UNT	MC	NAT	PER			PER			4742	Crandall Peak	CL
17EV122B	MW	0.05	INV	UNT	MC	NAT	PER			PER			4742	Crandall Peak	CL
17EV122B	MW	0.29	INV	UNT	MC	NAT	PER			PER			4742	Crandall Peak	CL
17EV14	MW	0.74	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV15	MW	0.35	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV153	MW	0.25	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV153	MW	0.31	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV15B	MW	0.79	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV162	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV202	MW	0.38	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	DC access
17EV210	MW	1.09	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL
17EV212	MW	1.19	INV	UNT	ALL	NAT				4WD			4741	Strawberry	
17EV23	MW	0.47	INV	UNT	ALL	NAT				4WD			4741	Strawberry	
17EV231	MW	0.32	INV	UNT	ALL	NAT	4WD			ALL			4743	Twain Harte	DC access
17EV233	MW	0.13	INV	UNT	ATV	NAT				ATV			4742	Crandall Peak	CL
17EV233	MW	0.25	INV	UNT	ATV	NAT				ATV			4742	Crandall Peak	CL
17EV236	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
17EV249	MW	0.12	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV249A	MW	0.10	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV254	MW	0.12	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
17EV255	MW	0.48	INV	UNT	ATV	NAT				ATV		4741	Strawberry	
17EV263	MW	0.18	INV	UNT	ALL	NAT				ALL		4744	Hull Creek	CL
17EV264	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV266	MW	0.26	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
17EV267	MW	0.22	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV268	MW	0.39	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV28	MW	1.38	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV289	MW	0.66	INV	UNT	ATV	NAT	ATV			ATV		4743	Twain Harte	
17EV293	MW	0.79	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV297	MW	0.49	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV299	MW	0.59	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV303	MW	0.83	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV306	MW	0.14	INV	UNT	ALL	NAT				4WD		4743	Twain Harte	
17EV34	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV37	MW	0.93	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV45	MW	1.68	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV50	MW	2.27	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	
17EV51	MW	0.84	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV53	MW	2.97	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV54	MW	0.50	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV58	MW	1.19	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV60	MW	0.51	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV60	MW	0.55	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV71	MW	1.14	INV	UNT	ATV	NAT	ATV			ATV		4743	Twain Harte	CL
17EV78	MW	0.30	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV79	MW	1.29	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV85	MW	2.01	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
17EV88	MW	1.53	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV91	MW	1.03	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV100	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV100	MW	0.31	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	
18EV101A	MW	0.17	GPS	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV101B	MW	0.53	GPS	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV105	MW	0.69	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV106	MW	0.41	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV110	MW	1.33	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV133	MW	0.35	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV134	MW	3.19	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV170	MW	1.13	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV170	MW	1.69	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV257	MW	0.18	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV258	MW	0.57	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV259	MW	0.48	INV	UNT	ATV	NAT				ATV		4733	Cherry Lake N	CL
18EV260	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV270	MW	0.36	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	CL
18EV271	MW	0.67	INV	UNT	ATV	NAT	ATV			ATV		4732	Pinecrest	CL
18EV275	MW	0.31	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
18EV276	MW	0.10	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV278	MW	0.60	INV	UNT	MC	NAT				MC		4732	Pinecrest	CL
18EV281	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV283	MW	0.28	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV284	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV304	MW	0.13	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV304	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV308	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
18EV310	MW	0.56	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
18EV34	MW	0.65	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV51	MW	0.54	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	
18EV56	MW	1.38	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV57	MW	0.86	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
18EV63	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV67	MW	1.68	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV70	MW	0.68	INV	UNT	MC	NAT	MC			MC		4744	Hull Creek	CL
18EV77	MW	1.54	INV	UNT	MC	NAT	MC			MC		4733	Cherry Lake N	CL
18EV88	MW	0.03	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV88	MW	0.70	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV90	MW	0.81	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
18EV95	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
19EV100	MW	1.08	INV	UNT	ALL	NAT				ALL		4733	Cherry Lake N	CL
19EV101	MW	0.57	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
19EV29	MW	0.47	INV	UNT	ATV	NAT	ALL			ALL		4732	Pinecrest	DC access
21711G	MW	0.70	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21711J	MW	0.28	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
31614C	MW	0.05	GIS	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
31623G	MW	0.41	GIS	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
31736A	MW	0.17	GIS	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
31818G	MW	0.15	GIS	UNR	ATV	NAT	ATV			ATV		4741	Strawberry	
31821C	MW	0.20	GIS	UNR	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
31821H	MW	0.10	GIS	UNT	ALL	NAT	ALL			ALL		4733	Cherry Lake N	DC access
41735B	MW	0.06	GIS	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
EV14835	MW	0.19	INV	UNT	MC	NAT				MC		4742	Crandall Peak	
EV681	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL		4732	Pinecrest	DC access
FR12319	MW	0.51	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR12319	MW	0.55	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR15091	MW	0.34	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR15091	MW	0.47	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR98590	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98596	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98597	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98598	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98599	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98601	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98602	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98603	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98604	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98608	MW	0.07	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98609	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	DC access
FR98612	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98616	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98617	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4754	Columbia SE	DC access
FR98618	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4754	Columbia SE	DC access
FR98619	MW	0.11	INV	UNT	ALL	NAT	4WD			ALL		4754	Columbia SE	DC access
FR98620	MW	0.08	INV	UNT	ALL	NAT	4WD			ALL		4754	Columbia SE	DC access
FR98679	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98680	MW	0.04	INV	UNT	ALL	NAT	4WD			4WD		4754	Columbia SE	DC access
FR98682	MW	0.05	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98683	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98685	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98686	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98688	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98689	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98690	MW	0.04	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98691	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98692	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98693	MW	0.01	INV	UNT	ALL	NAT	ALL			ALL		4743	Twain Harte	DC access
FR98694	MW	0.03	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98695	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4741	Strawberry	DC access
FR98696	MW	0.03	INV	UNT	ALL	NAT	ALL			ALL		4741	Strawberry	DC access
FR98697	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access
FR98699	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL		4733	Cherry Lake N	DC access
FR98700	MW	0.02	INV	UNT	ALL	NAT	4WD			ALL		4733	Cherry Lake N	DC access
FR98701	MW	0.02	INV	UNT	ALL	NAT	ALL			ALL		4733	Cherry Lake N	DC access
FR98702	MW	0.04	INV	UNT	ALL	NAT	ALL			ALL		4742	Crandall Peak	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98703	MW	0.06	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	DC access
FR98704	MW	0.15	INV	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
FR98705	MW	0.04	INV	UNT	ALL	NAT	4WD			ALL		4743	Twain Harte	DC access
FR98707	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
FR98708	MW	0.02	INV	UNT	ALL	NAT	ALL			ALL		4741	Strawberry	DC access
181.72														

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
16EV185	CAL	0.25	INV	UNT	ALL	NAT						4912	Calaveras Dome	
16EV191	CAL	0.13	INV	UNT	ATV	NAT	ATV			ATV	ATV	4912	Calaveras Dome	
17EV130	CAL	0.81	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV272	CAL	0.29	INV	UNT	ALL	NAT						4914	Liberty Hill	
17EV274	CAL	0.54	INV	UNT	MC	NAT						4911	Tamarack	CL
17EV275	CAL	0.01	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
17EV275	CAL	0.02	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV278	CAL	1.06	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
17EV279	CAL	1.08	INV	UNT	ATV	NAT	ATV			ATV		4911	Tamarack	CL
17EV280	CAL	0.48	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
17EV307	CAL	0.09	INV	UNT	ALL	NAT	ALL			ALL		4914	Liberty Hill	
18EV05	CAL	1.06	INV	UNT	ATV	NAT						4911	Tamarack	
18EV286	CAL	0.39	INV	UNT	ATV	NAT	ATV			ATV	ATV	4911	Tamarack	
18EV287	CAL	1.34	INV	UNT	ALL	NAT	ALL			ALL		4911	Tamarack	CL
18EV288	CAL	1.96	INV	UNT	MC	NAT	MC			MC		4911	Tamarack	CL
18EV288A	CAL	0.07	INV	UNT	MC	NAT						4911	Tamarack	
18EV289	CAL	0.53	INV	UNT	ALL	NAT				4WD		4911	Tamarack	
18EV291	CAL	0.17	INV	UNT	ALL	NAT						4911	Tamarack	
18EV292	CAL	0.08	INV	UNT	ALL	NAT	4WD			ALL	4WD	4911	Tamarack	
18EV293	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV295	CAL	0.30	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
18EV295A	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	
18EV295A	CAL	0.06	INV	UNT	ALL	NAT						4911	Tamarack	DC access
18EV296	CAL	1.78	INV	UNT	ALL	NAT						4911	Tamarack	CL
18EV297	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV298	CAL	0.18	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV299	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV300	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV301	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	4902	Spicer Mdw Res	
18EV303	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV110	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV111	CAL	0.32	INV	UNT	ALL	NAT	4WD			4WD		5063	Pacific Valley	CL
19EV111A	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD	4WD	5063	Pacific Valley	
19EV112	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
19EV113	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV100	CAL	0.09	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	CL
20EV101A	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
61501F	CAL	0.07	GIS	UNR		NAT						4921	Garnet Hill	
61602E	CAL	0.23	GIS	UNR	ALL	NAT				4WD		4912	Calaveras Dome	
61618A	CAL	0.04	MAP	UNR	ALL	NAT	ALL			ALL		4924	Dorrington	
FR10176	CAL	0.09	MAP	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR13409	CAL	0.46	GIS	UNR		NAT						4751	Stanislaus	
FR14617	CAL	0.04	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4912	Calaveras Dome	
FR8437	CAL	0.13	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4901	Dardanelles Cone	
FR8784	CAL	0.07	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9084	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR9090	CAL	0.17	MAP	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	
FR9438	CAL	0.10	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9439	CAL	0.16	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9440	CAL	0.04	MAP	UNT	ALL	NAT	4WD			4WD	4WD	5064	Ebbetts Pass	
FR9441	CAL	0.18	MAP	UNT	ALL	NAT	4WD			4WD	4WD	4911	Tamarack	
FR9501	CAL	0.09	MAP	UNR	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98607	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4924	Dorrington	DC access
FR98622	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98623	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98624	CAL	0.20	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98625	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98627	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4913	Boards Crossing	DC access
FR98630	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4914	Liberty Hill	DC access
FR98631	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4914	Liberty Hill	DC access
FR98633	CAL	0.10	INV	UNT	ALL	NAT	4WD			4WD		4921	Garnet Hill	DC access
FR98634	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4921	Garnet Hill	DC access
FR98636	CAL	0.11	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR98637	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98638	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98639	CAL	0.14	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98643	CAL	0.08	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98644	CAL	0.06	INV	UNT	ALL	NAT	4WD			4WD		4912	Calaveras Dome	DC access
FR98646	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98647	CAL	0.04	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98660	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98661	CAL	0.12	INV	UNT	ALL	NAT	4WD			4WD		4911	Tamarack	DC access
FR98662	CAL	0.07	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
FR98663	CAL	0.05	INV	UNT	ALL	NAT	4WD			4WD		5064	Ebbetts Pass	DC access
11806A	GR	0.71	GIS	UNR		NAT						4571	Duckwall Mt	
11807G	GR	0.08	GIS	UNR		NAT						4571	Duckwall Mt	
11808B	GR	0.03	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
11908M	GR	0.13	GIS	UNT	ALL	NAT	4WD			4WD		4571	Duckwall Mt	DC access
17EV166	GR	0.41	INV	UNT	ATV	NAT						4392	Coulterville	
17EV167	GR	0.08	INV	UNT	ATV	NAT						4392	Coulterville	
17EV168	GR	0.09	INV	UNT	ATV	NAT						4392	Coulterville	
17EV169	GR	0.07	INV	UNT	ATV	NAT						4392	Coulterville	
17EV170	GR	0.19	INV	UNT	ATV	NAT						4392	Coulterville	
17EV171	GR	0.12	INV	UNT	ATV	NAT						4392	Coulterville	
17EV172	GR	0.09	INV	UNT	ATV	NAT						4392	Coulterville	
17EV173	GR	0.01	INV	UNT	ATV	NAT						4392	Coulterville	
17EV173	GR	0.08	INV	UNT	ATV	NAT						4392	Coulterville	
17EV174	GR	0.03	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV175	GR	0.08	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV176	GR	0.19	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV177	GR	0.03	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV178	GR	0.03	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV179	GR	0.13	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV180	GR	0.09	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV181	GR	0.46	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV182	GR	1.62	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV183	GR	0.64	INV	UNT	ALL	NAT	ALL			ALL	ALL	4391	Buckhorn Peak	
17EV184	GR	0.60	INV	UNT	MC	NAT	MC			MC		4391	Buckhorn Peak	CL
17EV187	GR	0.11	INV	UNT	ALL	NAT						4391	Buckhorn Peak	
17EV189	GR	0.32	INV	UNT	ATV	NAT						4391	Buckhorn Peak	
17EV192	GR	0.63	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192A	GR	0.06	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV192B	GR	0.15	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV193	GR	0.06	INV	UNT	ATV	NAT						4574	Jawbone Ridge	
17EV194	GR	0.39	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV195	GR	0.50	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	CL
17EV196	GR	0.19	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.35	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV197	GR	0.46	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	CL
17EV197A	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV317	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV318	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV319	GR	0.21	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV320	GR	0.13	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV321	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV322	GR	0.04	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV323	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV324	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV325	GR	0.03	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV326	GR	0.02	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV327	GR	0.30	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV328	GR	0.06	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV329	GR	0.05	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV330	GR	0.10	INV	UNT	ATV	NAT	ATV			ATV		4574	Jawbone Ridge	
17EV331	GR	0.11	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
17EV332	GR	0.05	INV	UNT	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV901	GR	0.37	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
17EV902	GR	0.09	INV	UNT	ATV	NAT							4574	Jawbone Ridge	
17EV903	GR	0.26	INV	UNT	ATV	NAT							4574	Jawbone Ridge	
18EV263	GR	0.29	INV	UNT	ALL	NAT							4391	Buckhorn Peak	
18EV264	GR	0.73	INV	UNT	ALL	NAT							4391	Buckhorn Peak	
18EV265	GR	0.33	INV	UNT	ALL	NAT							4391	Buckhorn Peak	
18EV266	GR	0.09	INV	UNT	ATV	NAT							4391	Buckhorn Peak	
18EV268	GR	0.51	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
18EV269	GR	0.16	INV	UNT	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
18EV34	GR	1.27	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
1N1829	GR	0.08	MAP	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
1S1636A	GR	0.50	MAP	UNT		NAT							4573	Groveland	
1S1636B	GR	0.80	MAP	UNT		NAT							4573	Groveland	
1S1727	GR	0.87		UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S1728	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
1S1731	GR	0.08	MAP	UNT		NAT							4573	Groveland	
1S1734A	GR	0.86	MAP	UNT	ALL	NAT				4WD			4574	Jawbone Ridge	
1S1734B	GR	0.12	MAP	UNT		NAT							4574	Jawbone Ridge	
1S1736	GR	0.46	MAP	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S17E35B	GR	0.34	INV	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S17M	GR	1.13	MAP	UNT	ATV	NAT	ATV			ATV			4574	Jawbone Ridge	
1S1809A	GR	0.08	MAP	UNT		NAT							4574	Jawbone Ridge	
1S1809B	GR	0.07	MAP	UNT		NAT							4563	Ascension Mt	
1S1811	GR	0.56	MAP	UNT	ALL	NAT				4WD			4563	Ascension Mt	DC access
1S1822A	GR	0.12	MAP	UNT		NAT							4563	Ascension Mt	
1S1822B	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1822C	GR	0.31	MAP	UNT		NAT				4WD			4563	Ascension Mt	
1S1822C	GR	0.31	MAP	UNT	ALL	NAT							4563	Ascension Mt	DC access
1S1823	GR	0.35	MAP	UNT		NAT							4563	Ascension Mt	
1S1824	GR	0.36	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	
1S1826	GR	0.16	MAP	UNT		NAT							4563	Ascension Mt	
1S1902	GR	0.24	MAP	UNT	ALL	NAT	4WD			4WD			4561	Lake Eleanor	DC access
1S1907A	GR	0.39	MAP	UNT	ALL	NAT				4WD			4563	Ascension Mt	
1S1907B	GR	0.96	MAP	UNT		NAT							4563	Ascension Mt	
1S1908	GR	0.26	MAP	UNT		NAT							4563	Ascension Mt	
1S1909	GR	0.25	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1913	GR	0.72	MAP	UNT	ALL	NAT				ALL			4564	Ackerson Mt	
1S1914A	GR	0.15	MAP	UNT		NAT							4564	Ackerson Mt	
1S1914B	GR	0.08	MAP	UNT		NAT							4564	Ackerson Mt	
1S1919	GR	0.25	MAP	UNT		NAT							4563	Ascension Mt	
1S1920	GR	0.81	MAP	UNT	ALL	NAT				ALL			4563	Ascension Mt	
1S1922A	GR	0.29	GIS	UNR		NAT							4564	Ackerson Mt	
1S1922D	GR	0.36	GIS	UNR		NAT							4564	Ackerson Mt	
1S1928A	GR	0.14	GIS	UNR		NAT							4563	Ascension Mt	
1S1929	GR	0.15	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1929C	GR	0.19	GIS	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1930	GR	1.69	MAP	UNT	ALL	NAT	ALL			ALL	ALL		4563	Ascension Mt	
1S1933	GR	0.37	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
1S1933A	GR	0.22	GPS	UNT		NAT							4563	Ascension Mt	
21812C	GR	0.16	GIS	UNR		NAT							4733	Cherry Lake N	
21814M	GR	0.12	GIS	UNR		NAT							4733	Cherry Lake N	
21814N	GR	0.09	GIS	UNR		NAT							4733	Cherry Lake N	
2N1820	GR	0.34	MAP	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
2N1905	GR	0.25	MAP	UNT	ALL	NAT	ALL			ALL	ALL		4733	Cherry Lake N	
2S1602	GR	1.39	MAP	UNT	ALL	NAT							4573	Groveland	
2S1702	GR	0.15	MAP	UNT		NAT							4574	Jawbone Ridge	
2S1712	GR	0.30	MAP	UNT		NAT							4574	Jawbone Ridge	CL
2S1714	GR	0.22	MAP	UNT		NAT							4574	Jawbone Ridge	
2S1729	GR	0.41	MAP	UNT		NAT							4391	Buckhorn Peak	
2S1804	GR	0.94	MAP	UNT	ATV	NAT	ATV			ATV			4563	Ascension Mt	
2S1815	GR	0.51	MAP	UNT		NAT							4563	Ascension Mt	
2S1906	GR	0.42	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
2S1929	GR	0.11	MAP	UNT		NAT							4382	Kinsley	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
2S2029	GR	0.15	MAP	UNT		NAT							4381	El Portal	CL
EV3635	GR	0.19	INV	UNT		NAT							4391	Buckhorn Peak	
FR10173	GR	0.07	MAP	UNR		NAT							4382	Kinsley	
FR10178	GR	0.64	MAP	UNR	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	
FR10185	GR	0.22	MAP	UNR		NAT							4391	Buckhorn Peak	
FR10200	GR	0.37	MAP	UNT	ALL	NAT				ALL			4391	Buckhorn Peak	
FR10738	GR	0.19	MAP	UNR		NAT							4563	Ascension Mt	
FR14721	GR	0.12	MAP	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	
FR14878	GR	0.56	MAP	UNR		NAT							4563	Ascension Mt	
FR2990	GR	0.28	MAP	UNR		NAT							4563	Ascension Mt	
FR4221	GR	0.11	MAP	UNR		NAT							4571	Duckwall Mt	
FR4688	GR	0.73	MAP	UNR	ALL	NAT	ALL			ALL	ALL		4574	Jawbone Ridge	
FR5034	GR	0.23	MAP	UNR	ALL	NAT							4574	Jawbone Ridge	
FR5230	GR	0.57	MAP	UNR		NAT							4563	Ascension Mt	
FR5316	GR	0.13	MAP	UNR		NAT							4563	Ascension Mt	
FR5320	GR	0.20	MAP	UNR		NAT							4563	Ascension Mt	
FR5473	GR	0.23	MAP	UNR		NAT							4563	Ascension Mt	
FR5540	GR	0.47	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR5819	GR	0.27	MAP	UNR		NAT							4562	Cherry Lake S	
FR5821	GR	0.28	MAP	UNR		NAT							4561	Lake Eleanor	
FR6349	GR	0.22	MAP	UNR		NAT							4563	Ascension Mt	
FR6468	GR	0.02	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6468	GR	0.04	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6468	GR	0.18	MAP	UNR	ALL	NAT	ALL			ALL			4564	Ackerson Mt	
FR6550	GR	2.27	MAP	UNR	ALL	NAT	ALL			ALL			4573	Groveland	CL
FR7356	GR	0.11	MAP	UNR		NAT							4563	Ascension Mt	
FR7590	GR	0.36	MAP	UNR		NAT							4574	Jawbone Ridge	
FR7606	GR	0.24	MAP	UNR	ALL	NAT							4563	Ascension Mt	
FR7955	GR	0.15	MAP	UNR		NAT							4562	Cherry Lake S	
FR8165	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR8174	GR	0.25	MAP	UNR		NAT							4564	Ackerson Mt	
FR83630	GR	0.21	INV	UNR	ALL	NAT				ALL			4744	Hull Creek	
FR8434	GR	0.19	MAP	UNR		NAT							4562	Cherry Lake S	
FR8472	GR	0.18	MAP	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR8516	GR	0.05	MAP	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR8531	GR	0.25	MAP	UNR		NAT							4562	Cherry Lake S	
FR8601	GR	0.47	MAP	UNR	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR8612	GR	0.16	MAP	UNR		NAT							4563	Ascension Mt	
FR8762	GR	0.13	MAP	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR8843	GR	0.86	MAP	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR8844	GR	0.64	MAP	UNR	ALL	NAT							4391	Buckhorn Peak	
FR8986	GR	0.51	MAP	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR8989	GR	0.26	MAP	UNR		NAT							4562	Cherry Lake S	
FR9140	GR	0.04	MAP	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR9359	GR	0.13	MAP	UNR	ALL	NAT	4WD			4WD			4563	Ascension Mt	
FR9374	GR	0.56	MAP	UNR		NAT							4563	Ascension Mt	
FR9377	GR	0.52	MAP	UNR		NAT							4563	Ascension Mt	
FR9380	GR	0.11	MAP	UNR		NAT							4563	Ascension Mt	
FR9575	GR	0.18	MAP	UNR	ALL	NAT							4563	Ascension Mt	
FR9584	GR	0.23	MAP	UNR		NAT							4563	Ascension Mt	
FR9712	GR	0.03	MAP	UNR		NAT							4563	Ascension Mt	
FR9723	GR	0.12	MAP	UNR		NAT							4563	Ascension Mt	
FR9730	GR	0.10	MAP	UNR		NAT							4563	Ascension Mt	
FR9734	GR	0.20	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9778	GR	0.37	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9782	GR	0.10	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9784	GR	0.09	MAP	UNR		NAT							4574	Jawbone Ridge	
FR9794	GR	0.21	MAP	UNR		NAT							4574	Jawbone Ridge	
FR98472	GR	0.67	MAP	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98476	GR	0.50	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98477	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98479	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98481	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98482	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98483	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98484	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98485	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98486	GR	0.21	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98488	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98491	GR	0.19	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98492	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98493	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98494	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98495	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98496	GR	0.28	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98501	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98502	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98503	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98504	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98506	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98507	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98508	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98509	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98510	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98511	GR	0.15	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98513	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98514	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98515	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98520	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98522	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98523	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98524	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98529	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98530	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98531	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98533	GR	0.10	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98535	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98537	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98538	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98539	GR	0.10	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98540	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4561	Lake Eleanor	DC access
FR98541	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98544	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98545	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98546	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98547	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98548	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98549	GR	0.39	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98550	GR	0.17	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98551	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4381	El Portal	DC access
FR98552	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4563	Ascension Mt	DC access
FR98553	GR	0.14	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98554	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4382	Kinsley	DC access
FR98555	GR	0.02	INV	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98560	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98563	GR	0.86	INV	UNT	ALL	NAT	4WD			4WD			4564	Ackerson Mt	DC access
FR98566	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4391	Buckhorn Peak	DC access
FR98575	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4573	Groveland	DC access
FR98577	GR	0.03	INV	UNT	ALL	NAT	4WD			4WD			4561	Lake Eleanor	DC access
FR98580	GR	0.13	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98581	GR	0.11	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98582	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98583	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98584	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98585	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98586	GR	0.06	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98587	GR	0.04	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98591	GR	0.05	INV	UNT	ALL	NAT	4WD			4WD			4744	Hull Creek	DC access
FR98592	GR	0.08	INV	UNT	ALL	NAT	4WD			4WD			4744	Hull Creek	DC access
FR98593	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4744	Hull Creek	DC access
FR98670	GR	0.20	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98671	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
FR98672	GR	0.07	INV	UNT	ALL	NAT	4WD			4WD			4562	Cherry Lake S	DC access
FR98674	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD			4562	Cherry Lake S	
FR98675	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD			4562	Cherry Lake S	
FR98676	GR	0.06	INV	UNR	ALL	NAT	4WD			4WD			4562	Cherry Lake S	
FS08490	GR	0.09	INV	UNT	ALL	NAT	4WD			4WD			4574	Jawbone Ridge	DC access
22	MW	0.08	INV	UNT	ATV	NAT	ATV			ATV	ATV		4743	Twain Harte	
11715A	MW	0.52	MAP	UNR	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
11719A	MW	0.11	GIS	UNR		NAT							4572	Tuolumne	
11735A	MW	0.07	GIS	UNR		NAT							4571	Duckwall Mt	
15EV38	MW	0.60	INV	UNT	ALL	NAT	ALL			ALL	ALL		4754	Columbia SE	
15EV43A	MW	0.08	INV	UNT	ALL	NAT							4753	Columbia	CL
15EV43B	MW	0.14	INV	UNT	ALL	NAT							4753	Columbia	CL
15EV43C	MW	0.69	INV	UNT	ALL	NAT	4WD			4WD			4754	Columbia SE	DC access
15EV43D	MW	0.88	INV	UNT	ALL	NAT							4754	Columbia SE	CL
15EV43E	MW	0.41	INV	UNT	ALL	NAT							4753	Columbia	CL
15EV43F	MW	0.19	INV	UNT	ALL	NAT							4753	Columbia	CL
15EV43G	MW	0.51	INV	UNT	ALL	NAT	4WD			4WD			4753	Columbia	DC access
15EV46	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV			4754	Columbia SE	CL
15EV47	MW	0.12	INV	UNT	ATV	NAT							4754	Columbia SE	CL
15EV47	MW	0.63	INV	UNT	ATV	NAT	ATV			ATV			4754	Columbia SE	CL
15EV47A	MW	0.12	INV	UNT	ATV	NAT	ATV			ATV			4754	Columbia SE	CL
15EV48	MW	0.64	INV	UNT	MC	NAT	MC			MC			4754	Columbia SE	CL
15EV54	MW	0.18	INV	UNT	ALL	NAT	ALL			ALL			4754	Columbia SE	CL
16E182	MW	0.19	GIS	UNT	ALL	NAT							4571	Duckwall Mt	
16E182	MW	0.27	GIS	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
16E182A	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
16E183	MW	1.26	GIS	UNT	ALL	NAT	ALL			ALL			4743	Twain Harte	
16EV01	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV01	MW	0.81	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV101	MW	1.90	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV106	MW	1.50	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV108	MW	0.74	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV109	MW	0.61	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV109	MW	1.14	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV110	MW	1.15	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV111	MW	0.44	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV112	MW	0.17	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV115	MW	2.40	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV116	MW	0.21	INV	UNT	ALL	NAT							4743	Twain Harte	
16EV117	MW	0.21	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV117	MW	1.24	INV	UNT	MC	NAT							4742	Crandall Peak	
16EV123	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL
16EV124	MW	0.15	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL
16EV133	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV136	MW	1.19	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV137	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV141	MW	0.87	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV152	MW	0.33	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL
16EV152	MW	0.56	INV	UNT	ATV	NAT	ATV			ATV			4742	Crandall Peak	CL
16EV154	MW	1.13	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV155	MW	0.06	INV	UNT	ALL	NAT	ALL			ALL			4742	Crandall Peak	CL
16EV160	MW	1.31	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV17	MW	0.11	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV176	MW	0.04	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV176	MW	0.50	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV177	MW	0.27	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV178	MW	0.66	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
16EV18	MW	0.26	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV193	MW	0.21	INV	UNT	ATV	NAT							4743	Twain Harte	CL
16EV194	MW	0.31	INV	UNT	ATV	NAT							4743	Twain Harte	CL
16EV195	MW	0.21	INV	UNT	MC	NAT							4743	Twain Harte	CL
16EV196	MW	0.32	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV197	MW	0.04	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV198	MW	0.15	INV	UNT	ALL	NAT							4743	Twain Harte	CL
16EV201	MW	0.95	INV	UNT	ATV	NAT							4754	Columbia SE	CL
16EV201A	MW	0.23	INV	UNT	ATV	NAT							4754	Columbia SE	CL
16EV202	MW	0.27	INV	UNT	ALL	NAT							4754	Columbia SE	CL
16EV203	MW	0.04	INV	UNT	ATV	NAT							4754	Columbia SE	
16EV204	MW	0.06	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV205	MW	0.02	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV206	MW	0.01	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV206	MW	0.11	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV206	MW	0.35	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV207	MW	0.03	INV	UNT	MC	NAT				MC			4754	Columbia SE	CL
16EV209	MW	0.14	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	CL
16EV210	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV211	MW	0.08	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV212	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV213	MW	0.06	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV214	MW	0.16	INV	UNT	MC	NAT							4743	Twain Harte	
16EV215	MW	0.11	INV	UNT	MC	NAT							4743	Twain Harte	
16EV216	MW	0.06	INV	UNT	MC	NAT							4743	Twain Harte	
16EV217	MW	0.20	INV	UNT	MC	NAT							4743	Twain Harte	
16EV219	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV220	MW	0.04	INV	UNT	MC	NAT							4743	Twain Harte	
16EV221	MW	0.26	INV	UNT	MC	NAT							4743	Twain Harte	
16EV222	MW	0.31	INV	UNT	MC	NAT				MC			4743	Twain Harte	
16EV223	MW	1.35	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV229	MW	0.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV230	MW	0.78	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV231	MW	0.06	INV	UNT	MC	NAT							4743	Twain Harte	
16EV232	MW	0.29	INV	UNT	MC	NAT							4743	Twain Harte	
16EV233	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV234	MW	0.09	INV	UNT	MC	NAT							4743	Twain Harte	
16EV235	MW	0.07	INV	UNT	MC	NAT							4743	Twain Harte	
16EV236	MW	0.96	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV237	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV239	MW	0.20	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV240	MW	0.11	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV241	MW	0.27	INV	UNT	MC	NAT							4743	Twain Harte	
16EV243	MW	0.31	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV244	MW	0.49	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV247	MW	0.17	INV	UNT	MC	NAT							4742	Crandall Peak	
16EV247	MW	0.68	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV248	MW	0.93	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV249	MW	0.28	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV251	MW	0.32	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV252	MW	0.21	INV	UNT	MC	NAT							4743	Twain Harte	
16EV253	MW	0.89	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV254	MW	0.51	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV255	MW	0.43	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV256	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL		4742	Crandall Peak	
16EV257	MW	1.37	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV257A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV258	MW	0.09	INV	UNT	MC	NAT				MC			4743	Twain Harte	CL
16EV258	MW	0.47	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV259	MW	0.09	INV	UNT	MC	NAT				MC	MC		4743	Twain Harte	
16EV259	MW	0.45	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV259A	MW	0.17	MAP	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV260	MW	0.24	INV	UNT	MC	NAT							4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
16EV262	MW	0.09	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV263	MW	0.02	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV264	MW	0.31	INV	UNT	MC	NAT							4743	Twain Harte	CL
16EV265	MW	0.12	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV266	MW	0.21	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV266	MW	0.21	INV	UNT	MC	NAT							4743	Twain Harte	
16EV266A	MW	0.03	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	
16EV267	MW	0.18	INV	UNT	MC	NAT							4742	Crandall Peak	
16EV267	MW	0.27	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV268	MW	0.38	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV269	MW	0.22	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV272	MW	0.53	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV273	MW	0.19	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV275	MW	0.08	INV	UNT	MC	NAT							4743	Twain Harte	
16EV276	MW	0.04	INV	UNT	MC	NAT							4743	Twain Harte	
16EV289	MW	0.18	INV	UNT	ALL	NAT							4742	Crandall Peak	
16EV290	MW	0.09	INV	UNT	ALL	NAT							4742	Crandall Peak	
16EV291	MW	0.06	INV	UNT	ALL	NAT							4742	Crandall Peak	
16EV292	MW	0.14	INV	UNT	ALL	NAT	4WD			4WD			4742	Crandall Peak	DC access
16EV296	MW	0.36	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	
16EV298	MW	0.13	INV	UNT	MC	NAT							4742	Crandall Peak	
16EV299	MW	0.40	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV299B	MW	0.26	INV	UNT	ATV	NAT				ATV			4743	Twain Harte	
16EV300	MW	0.06	INV	UNT	ATV	NAT							4743	Twain Harte	
16EV302	MW	0.31	INV	UNT	MC	NAT	MC			MC	MC		4743	Twain Harte	
16EV303	MW	0.20	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV304	MW	0.09	INV	UNT	MC	NAT	MC			MC	MC		4742	Crandall Peak	
16EV305	MW	0.54	INV	UNT	MC	NAT	PER			PER	PER		4742	Crandall Peak	
16EV306	MW	0.16	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV307	MW	0.13	INV	UNT		NAT							4743	Twain Harte	
16EV308	MW	0.47	INV	UNT		NAT							4743	Twain Harte	
16EV309	MW	0.62	GPS	UNT		NAT							4743	Twain Harte	CL
16EV310	MW	0.06	INV	UNT		NAT							4743	Twain Harte	CL
16EV311	MW	0.35	INV	UNT		NAT							4743	Twain Harte	
16EV312	MW	0.14	INV	UNT		NAT							4743	Twain Harte	
16EV313	MW	0.15	INV	UNT		NAT							4743	Twain Harte	
16EV314	MW	0.03	INV	UNT		NAT							4743	Twain Harte	
16EV314	MW	0.24	INV	UNT		NAT							4743	Twain Harte	
16EV315	MW	0.11	INV	UNT		NAT							4743	Twain Harte	
16EV316	MW	0.08	INV	UNT		NAT							4743	Twain Harte	
16EV317	MW	0.18	INV	UNT		NAT							4743	Twain Harte	
16EV317	MW	0.23	INV	UNT		NAT							4743	Twain Harte	
16EV318	MW	0.45	INV	UNT	ALL	NAT	4WD			4WD			4743	Twain Harte	DC access
16EV323	MW	0.12	INV	UNT		NAT							4743	Twain Harte	
16EV54	MW	2.36	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV62	MW	0.19	INV	UNT		NAT							4743	Twain Harte	
16EV78	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
16EV79	MW	0.61	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV79	MW	0.85	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
16EV81	MW	0.54	INV	UNT	MC	NAT	MC			MC			4743	Twain Harte	CL
16EV81A	MW	0.09	INV	UNT	ATV	NAT							4743	Twain Harte	
17E214	MW	0.83	INV	UNT		NAT							4741	Strawberry	
17E216	MW	0.89	INV	UNT		NAT							4741	Strawberry	
17EV10	MW	1.69	INV	UNT	MC	NAT							4744	Hull Creek	
17EV101	MW	1.06	INV	UNT	MC	NAT				MC			4742	Crandall Peak	CL
17EV104	MW	0.87	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV11	MW	0.48	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	
17EV11	MW	0.91	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV117	MW	0.55	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV117	MW	0.57	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV118	MW	1.37	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL
17EV12	MW	0.83	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV120	MW	0.11	INV	UNT	MC	NAT	MC			MC			4742	Crandall Peak	CL

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
17EV121	MW	0.50	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.05	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV122B	MW	0.29	INV	UNT	MC	NAT	PER			PER		4742	Crandall Peak	CL
17EV14	MW	0.74	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV15	MW	0.35	INV	UNT	ATV	NAT				ATV		4744	Hull Creek	CL
17EV153	MW	0.25	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV153	MW	0.31	INV	UNT	ALL	NAT	ALL			ALL		4744	Hull Creek	CL
17EV155	MW	0.35	INV	UNT	ATV	NAT						4744	Hull Creek	
17EV156	MW	0.11	INV	UNT	ALL	NAT						4744	Hull Creek	
17EV157	MW	0.11	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV158	MW	0.05	INV	UNR	ALL	NAT						4744	Hull Creek	
17EV159	MW	0.43	INV	UNR	ALL	NAT						4744	Hull Creek	
17EV15B	MW	0.79	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV160	MW	0.15	INV	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
17EV161	MW	0.21	INV	UNT	ATV	NAT						4744	Hull Creek	
17EV162	MW	0.19	INV	UNT	ATV	NAT	ATV			ATV		4744	Hull Creek	CL
17EV202	MW	0.38	INV	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
17EV203	MW	0.05	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV205	MW	0.25	INV	UNT	ATV	NAT	ATV			ATV	ATV	4743	Twain Harte	
17EV210	MW	1.09	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
17EV210A	MW	0.32	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV212	MW	1.19	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV220	MW	0.33	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV220B	MW	0.05	INV	UNT	ALL	NAT	4WD			ALL	4WD	4743	Twain Harte	
17EV221	MW	0.01	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV224	MW	0.11	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV225	MW	0.11	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV226	MW	0.49	INV	UNT	ALL	NAT						4743	Twain Harte	CL
17EV226A	MW	0.02	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV227	MW	0.68	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV227A	MW	0.19	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV228	MW	0.48	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV229	MW	0.18	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV229A	MW	0.05	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV23	MW	0.47	INV	UNT	ALL	NAT				4WD		4741	Strawberry	
17EV230	MW	0.67	INV	UNT	ATV	NAT						4743	Twain Harte	CL
17EV230B	MW	0.03	INV	UNT		NAT						4743	Twain Harte	
17EV231	MW	0.32	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
17EV231A	MW	0.20	INV	UNT	ATV	NAT						4743	Twain Harte	
17EV232	MW	0.13	INV	UNT	ALL	NAT						4743	Twain Harte	
17EV233	MW	0.13	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV233	MW	0.25	INV	UNT	ATV	NAT				ATV		4742	Crandall Peak	CL
17EV235	MW	0.59	INV	UNT	MC	NAT	MC			MC	MC	4742	Crandall Peak	
17EV236	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV		4742	Crandall Peak	CL
17EV236A	MW	0.05	INV	UNT	ATV	NAT						4742	Crandall Peak	
17EV236B	MW	0.07	INV	UNT		NAT						4742	Crandall Peak	
17EV237	MW	0.16	INV	UNT	ATV	NAT	ATV			ATV	ATV	4742	Crandall Peak	
17EV238	MW	0.68	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV238A	MW	0.29	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV239	MW	0.24	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV240	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL	ALL	4741	Strawberry	
17EV241	MW	0.27	INV	UNT	ATV	NAT	ATV			ATV	ATV	4741	Strawberry	
17EV242	MW	0.05	INV	UNT	ALL	NAT						4741	Strawberry	
17EV245	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL	4WD	4741	Strawberry	
17EV247A	MW	0.13	INV	UNT	ALL	NAT						4741	Strawberry	
17EV248	MW	0.04	INV	UNT	ALL	NAT						4741	Strawberry	
17EV249	MW	0.12	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV249A	MW	0.10	INV	UNT	ALL	NAT	4WD			ALL		4741	Strawberry	CL
17EV250	MW	0.19	INV	UNT	ALL	NAT						4741	Strawberry	
17EV252	MW	0.10	INV	UNT	ALL	NAT						4741	Strawberry	
17EV253	MW	0.40	INV	UNT	ALL	NAT						4741	Strawberry	
17EV254	MW	0.12	INV	UNT	ALL	NAT				ALL		4741	Strawberry	
17EV255	MW	0.48	INV	UNT	ATV	NAT				ATV		4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV256	MW	0.41	INV	UNT	ATV	NAT							4741	Strawberry	
17EV257	MW	0.08	INV	UNT	ATV	NAT							4741	Strawberry	
17EV258	MW	0.12	INV	UNT	ALL	NAT							4741	Strawberry	
17EV259	MW	0.36	INV	UNT	ALL	NAT							4744	Hull Creek	
17EV260	MW	0.11	INV	UNT	ATV	NAT							4744	Hull Creek	
17EV261	MW	0.18	INV	UNT	ALL	NAT	4WD			ALL		4WD	4744	Hull Creek	
17EV261A	MW	0.07	INV	UNT	ALL	NAT	4WD			ALL		4WD	4744	Hull Creek	
17EV263	MW	0.18	INV	UNT	ALL	NAT				ALL			4744	Hull Creek	CL
17EV264	MW	0.14	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV265	MW	0.07	INV	UNT	ATV	NAT							4744	Hull Creek	
17EV266	MW	0.26	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
17EV267	MW	0.22	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV268	MW	0.39	INV	UNT	ALL	NAT	4WD			ALL			4741	Strawberry	CL
17EV269	MW	0.16	INV	UNT	ALL	NAT							4741	Strawberry	
17EV28	MW	1.38	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV281	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL		ALL	4741	Strawberry	
17EV282	MW	0.10	INV	UNT	ALL	NAT	ALL			ALL		ALL	4741	Strawberry	
17EV283	MW	0.20	INV	UNT	MC	NAT	MC			MC		MC	4741	Strawberry	
17EV284	MW	0.47	INV	UNT		NAT							4741	Strawberry	CL
17EV285	MW	0.14	INV	UNT		NAT							4741	Strawberry	
17EV287	MW	0.25	INV	UNT		NAT							4741	Strawberry	
17EV288	MW	0.29	INV	UNT		NAT							4743	Twain Harte	
17EV289	MW	0.66	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	
17EV28A	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL		ALL	4744	Hull Creek	
17EV290	MW	0.40	INV	UNT	ALL	NAT	ALL			ALL		ALL	4744	Hull Creek	
17EV293	MW	0.79	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV294	MW	0.78	INV	UNT	ALL	NAT							4744	Hull Creek	
17EV295	MW	0.11	INV	UNT		NAT							4744	Hull Creek	
17EV296	MW	0.44	INV	UNT		NAT							4744	Hull Creek	
17EV296A	MW	0.11	INV	UNT		NAT							4744	Hull Creek	
17EV297	MW	0.49	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV298	MW	0.19	INV	UNT		NAT							4744	Hull Creek	
17EV299	MW	0.59	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV300	MW	0.23	INV	UNT	ALL	NAT	ALL			ALL		ALL	4744	Hull Creek	
17EV303	MW	0.83	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV304	MW	0.08	INV	UNT		NAT							4743	Twain Harte	
17EV305	MW	0.13	INV	UNT	MC	NAT							4743	Twain Harte	
17EV306	MW	0.14	INV	UNT	ALL	NAT				4WD			4743	Twain Harte	
17EV308	MW	0.02	INV	UNT		NAT							4744	Hull Creek	
17EV310	MW	0.23	INV	UNT		NAT							4741	Strawberry	
17EV312	MW	0.05	INV	UNT		NAT							4743	Twain Harte	
17EV314	MW	0.07	INV	UNT		NAT							4743	Twain Harte	
17EV315	MW	0.08	INV	UNT		NAT							4743	Twain Harte	
17EV34	MW	0.27	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV37	MW	0.93	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV45	MW	1.68	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV50	MW	2.27	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	
17EV51	MW	0.84	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	CL
17EV51	MW	3.06	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV53	MW	2.97	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV54	MW	0.50	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV58	MW	1.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV60	MW	0.51	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV60	MW	0.55	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV67	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV67A	MW	0.36	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV71	MW	1.14	INV	UNT	ATV	NAT	ATV			ATV			4743	Twain Harte	CL
17EV74A	MW	0.07	INV	UNT	ALL	NAT							4743	Twain Harte	
17EV75	MW	0.42	INV	UNT	ATV	NAT							4744	Hull Creek	
17EV75	MW	0.46	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	
17EV78	MW	0.30	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV79	MW	1.29	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
17EV80	MW	0.23	INV	UNT	ATV	NAT	ATV			ATV		ATV	4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
17EV85	MW	2.01	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
17EV88	MW	1.53	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
17EV91	MW	1.03	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV100	MW	0.08	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV100	MW	0.31	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	
18EV101A	MW	0.17	GPS	UNT	ATV	NAT				ATV			4744	Hull Creek	
18EV101B	MW	0.53	GPS	UNT	ATV	NAT				ATV			4744	Hull Creek	
18EV105	MW	0.69	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV106	MW	0.41	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV110	MW	1.33	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV112	MW	0.46	INV	UNT	ATV	NAT							4744	Hull Creek	
18EV133	MW	0.35	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV134	MW	3.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV170	MW	1.13	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV170	MW	1.69	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV257	MW	0.18	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV258	MW	0.57	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV259	MW	0.48	INV	UNT	ATV	NAT				ATV			4733	Cherry Lake N	CL
18EV260	MW	0.28	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV270	MW	0.36	INV	UNT	ALL	NAT	ALL			ALL			4732	Pinecrest	CL
18EV271	MW	0.67	INV	UNT	ATV	NAT	ATV			ATV			4732	Pinecrest	CL
18EV275	MW	0.31	INV	UNT	ALL	NAT				ALL			4741	Strawberry	
18EV276	MW	0.10	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV277	MW	0.09	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV278	MW	0.60	INV	UNT	MC	NAT				MC			4732	Pinecrest	CL
18EV280	MW	0.47	INV	UNT	ALL	NAT							4732	Pinecrest	
18EV281	MW	0.05	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV282	MW	0.15	INV	UNT	MC	NAT	MC			MC	MC		4732	Pinecrest	
18EV283	MW	0.28	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV284	MW	0.07	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV304	MW	0.13	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV304	MW	0.19	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV308	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL			4744	Hull Creek	CL
18EV308	MW	0.19	INV	UNT		NAT							4744	Hull Creek	CL
18EV309	MW	0.12	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV310	MW	0.56	INV	UNT		NAT							4732	Pinecrest	CL
18EV310	MW	0.56	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
18EV315	MW	0.36	INV	UNT	ALL	NAT	4WD			ALL	4WD		4741	Strawberry	
18EV316	MW	0.62	INV	UNT		NAT							4741	Strawberry	
18EV34	MW	0.65	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV51	MW	0.54	INV	UNT	ATV	NAT				ATV			4744	Hull Creek	
18EV56	MW	1.38	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV57	MW	0.86	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV63	MW	0.26	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV67	MW	1.68	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV70	MW	0.68	INV	UNT	MC	NAT	MC			MC			4744	Hull Creek	CL
18EV77	MW	1.54	INV	UNT	MC	NAT	MC			MC			4733	Cherry Lake N	CL
18EV88	MW	0.03	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV88	MW	0.70	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV90	MW	0.81	INV	UNT	ATV	NAT	ATV			ATV			4744	Hull Creek	CL
18EV91	MW	0.33	INV	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
18EV94	MW	0.17	INV	UNT	ALL	NAT				ALL	ALL		4744	Hull Creek	
18EV95	MW	0.33	INV	UNT	ALL	NAT							4744	Hull Creek	CL
18EV95	MW	0.33	INV	UNT	ALL	NAT	4WD			4WD			4744	Hull Creek	DC access
19EV100	MW	1.08	INV	UNT	ALL	NAT				ALL			4733	Cherry Lake N	CL
19EV101	MW	0.57	INV	UNT	ALL	NAT	4WD			4WD			4732	Pinecrest	DC access
19EV29	MW	0.47	INV	UNT	ATV	NAT	4WD			4WD			4732	Pinecrest	DC access
21505B	MW	0.11	GIS	UNR		NAT							4754	Columbia SE	
21613A	MW	0.58	GIS	UNR	ALL	NAT							4743	Twain Harte	
21701C	MW	0.09	GIS	UNR		NAT							4744	Hull Creek	
21703A	MW	0.08	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
21703C	MW	0.52	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	
21704A	MW	0.39	GIS	UNT	ALL	NAT	ALL			ALL	ALL		4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
21704B	MW	0.21	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
21711G	MW	0.70	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21711J	MW	0.28	GIS	UNR	ATV	NAT				ATV		4744	Hull Creek	
21734H	MW	0.08	GIS	UNR		NAT						4571	Duckwall Mt	
21802H	MW	0.17	GIS	UNR		NAT						4733	Cherry Lake N	
21803A	MW	0.11	GIS	UNR		NAT						4733	Cherry Lake N	
31527C	MW	0.57	GIS	UNR		NAT						4754	Columbia SE	
31614C	MW	0.05	GIS	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
31620A	MW	0.17	GIS	UNR		NAT						4743	Twain Harte	
31621R	MW	0.06	GIS	UNR		NAT						4743	Twain Harte	
31622N	MW	0.24	GIS	UNR		NAT						4743	Twain Harte	
31622R	MW	0.63	GIS	UNT		NAT						4743	Twain Harte	
31623G	MW	0.41	GIS	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
31632C	MW	0.11	GIS	UNR	ALL	NAT						4743	Twain Harte	
31724C	MW	0.17	GIS	UNR		NAT						4744	Hull Creek	
31725H	MW	0.60	GIS	UNR	ALL	NAT						4744	Hull Creek	
31725J	MW	0.09	GIS	UNR		NAT						4744	Hull Creek	
31726F	MW	0.14	GIS	UNR		NAT						4744	Hull Creek	
31733A	MW	0.26	GIS	UNR	ALL	NAT						4744	Hull Creek	
31734B	MW	0.09	GIS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
31734N	MW	0.15	GIS	UNR		NAT						4744	Hull Creek	
31736A	MW	0.17	GIS	UNT	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
31801F	MW	0.10	GIS	UNR		NAT						4732	Pinecrest	
31802C	MW	0.08	GIS	UNR		NAT						4732	Pinecrest	
31803F	MW	0.06	GIS	UNR		NAT						4732	Pinecrest	
31811A	MW	0.08	GIS	UNR		NAT						4732	Pinecrest	
31811B	MW	0.10	GIS	UNR		NAT						4732	Pinecrest	
31818G	MW	0.15	GIS	UNR	ATV	NAT	ATV			ATV		4741	Strawberry	
31820B	MW	0.12	GIS	UNR		NAT						4744	Hull Creek	
31820G	MW	0.13	GIS	UNR		NAT						4744	Hull Creek	
31821C	MW	0.20	GIS	UNR	ALL	NAT	4WD			4WD		4744	Hull Creek	DC access
31821F	MW	0.09	GIS	UNR		NAT						4744	Hull Creek	
31821G	MW	0.13	GIS	UNR		NAT						4733	Cherry Lake N	CL
31821H	MW	0.10	GIS	UNT	ALL	NAT	4WD			4WD		4733	Cherry Lake N	DC access
31821K	MW	0.10	GIS	UNR		NAT						4744	Hull Creek	CL
31824D	MW	0.27	GIS	UNR		NAT						4733	Cherry Lake N	
31825A	MW	0.06	GIS	UNR		NAT						4733	Cherry Lake N	
31830L	MW	0.13	GIS	UNR		NAT						4744	Hull Creek	
31830W	MW	0.05	GIS	UNR		NAT						4744	Hull Creek	
31832B	MW	0.07	GIS	UNR		NAT						4744	Hull Creek	
31832D	MW	0.07	GIS	UNR		NAT						4744	Hull Creek	
31832E	MW	0.06	GIS	UNR		NAT						4744	Hull Creek	
31832J	MW	0.05	GIS	UNR		NAT						4744	Hull Creek	
31833F	MW	0.06	GIS	UNR		NAT						4744	Hull Creek	
31906B	MW	0.05	GIS	UNR		NAT						4732	Pinecrest	
31906D	MW	0.13	GIS	UNR		NAT						4732	Pinecrest	
41726J	MW	0.69	IG	UNR	ALL	NAT						4741	Strawberry	
41727B	MW	0.04	GIS	UNR	ALL	NAT						4741	Strawberry	
41735B	MW	0.06	GIS	UNT	ALL	NAT	4WD			4WD		4741	Strawberry	DC access
41736B	MW	0.18	GIS	UNR		NAT						4741	Strawberry	
41834J	MW	0.07	GIS	UNR		NAT						4732	Pinecrest	
EV14835	MW	0.19	INV	UNT	MC	NAT				MC		4742	Crandall Peak	
EV681	MW	0.09	INV	UNT	ALL	NAT	4WD			4WD		4732	Pinecrest	DC access
FR12319	MW	0.51	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR12319	MW	0.55	MAP	UNR	MC	NAT				ATV		4743	Twain Harte	
FR13563	MW	0.05	GPS	UNT	ALL	NAT	ALL			ALL	ALL	4744	Hull Creek	
FR14056	MW	0.13	MAP	UNR		NAT						4742	Crandall Peak	
FR14420	MW	0.21	GPS	UNR	ALL	NAT						4744	Hull Creek	
FR15091	MW	0.34	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR15091	MW	0.47	GPS	UNR	ATV	NAT				ATV		4744	Hull Creek	
FR5483	MW	0.20	MAP	UNR	ALL	NAT						4743	Twain Harte	
FR98590	MW	0.10	INV	UNT	ALL	NAT	4WD			4WD		4743	Twain Harte	DC access
FR98594	MW	0.58	INV	UNT	ALL	NAT						4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
FR98595	MW	0.04	INV	UNT	ALL	NAT							4744	Hull Creek	
FR98596	MW	0.10	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98597	MW	0.09	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98598	MW	0.08	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98599	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98601	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98602	MW	0.08	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98603	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98604	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98608	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98609	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98612	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98616	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98617	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98618	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98619	MW	0.11	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98620	MW	0.08	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98679	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98680	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4754	Columbia SE	DC access
FR98682	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98683	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98685	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98686	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98688	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98689	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98690	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98691	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98692	MW	0.07	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98693	MW	0.01	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98694	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98695	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98696	MW	0.03	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98697	MW	0.12	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98699	MW	0.05	INV	UNT	ALL	NAT	4WD				4WD		4733	Cherry Lake N	DC access
FR98700	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4733	Cherry Lake N	DC access
FR98701	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4733	Cherry Lake N	DC access
FR98702	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4742	Crandall Peak	DC access
FR98703	MW	0.06	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access
FR98704	MW	0.15	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98705	MW	0.04	INV	UNT	ALL	NAT	4WD				4WD		4743	Twain Harte	DC access
FR98707	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4744	Hull Creek	DC access
FR98708	MW	0.02	INV	UNT	ALL	NAT	4WD				4WD		4741	Strawberry	DC access

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
04N04Y	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N06	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N38	CAL	2.64	GIS	ALL	ALL	AC	HLO			HLO	HLO	4751	Stanislaus	
04N80Y	CAL	0.59	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	1.17	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	1.14	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.16	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
05N02B	CAL	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	1.48	GIS	ALL	ALL	NAT	HLO			HLO	ML1	4913	Boards Crossing	
05N02R	CAL	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14	CAL	0.55	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	0.53	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	3.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	1.12	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.02	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.71	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.34	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.60	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	4.62	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14L	CAL	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14M	CAL	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N35	CAL	1.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N35B	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N40	CAL	0.15	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
05N51Y	CAL	1.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51YA	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N53Y	CAL	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N56	CAL	0.01	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4924	Dorrington	
06N11Y	CAL	0.81	GIS	ALL		NAT	ADM			ADM	ADM	4913	Boards Crossing	
06N13X	CAL	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N17A	CAL	0.46	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17A	CAL	0.09	MAP	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17B	CAL	0.65	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17D	CAL	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17J	CAL	0.52	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
06N17P	CAL	0.41	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4911	Tamarack	
06N27	CAL	1.53	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N27	CAL	3.23	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N29Y	CAL	0.98	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
06N40	CAL	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N44	CAL	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N58	CAL	0.03	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.79	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.46	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.08	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.36	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.70	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.18	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	1.74	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.90	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.12	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N60Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
06N62	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
06N64	CAL	0.93	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4924	Dorrington	
06N66YB	CAL	0.82	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N71Y	CAL	1.35	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
06N76YA	CAL	0.25	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N80Y	CAL	0.78	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80YA	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N81Y	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
06N81Y	CAL	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.26	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81YA	CAL	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N82	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N85	CAL	0.72	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85A	CAL	0.39	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N94	CAL	1.68	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4914	Liberty Hill	
07N01	CAL	0.09	GIS	HLO	HLO	AC				ALL		4911	Tamarack	Combined Use
07N01C	CAL	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01E	CAL	0.36	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01G	CAL	0.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02	CAL	2.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
07N05	CAL	0.53	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N08	CAL	0.37	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	2.57	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	1.94	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	0.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4924	Dorrington	
07N08	CAL	2.52	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
07N09	CAL	0.84	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.13	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	2.23	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.48	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.09	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.44	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	0.01	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	0.59	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	2.94	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09A	CAL	0.86	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09B	CAL	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N09C	CAL	0.62	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09D	CAL	0.16	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09E	CAL	0.29	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09F	CAL	0.13	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09G	CAL	0.12	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09H	CAL	0.54	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09J	CAL	0.26	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09W	CAL	0.24	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N14C	CAL	0.47	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N16A	CAL	0.20	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N16X	CAL	1.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N17	CAL	2.79	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.24	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17A	CAL	0.08	GIS	ML1		NAT	t-4WD			t-ALL		4911	Tamarack	
07N17B	CAL	0.57	GIS	ALL	ALL	AGG	ADM				ADM	4911	Tamarack	
07N18Y	CAL	0.90	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N18YC	CAL	0.32	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N19X	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
07N22	CAL	0.05	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.43	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.01	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	1.03	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N28	CAL	0.91	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	0.96	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N29Y	CAL	3.96	GIS	ALL	ALL	AGG	HLO				HLO	4911	Tamarack	
07N38	CAL	0.75	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N40Y	CAL	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N48A	CAL	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N49Y	CAL	0.36	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4911	Tamarack	
07N55	CAL	1.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55A	CAL	0.59	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55Y	CAL	0.40	GIS	ALL	ALL	NAT	HLO				HLO	4902	Spicer Mdw Res	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
07N56YA	CAL	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N57	CAL	0.29	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N58	CAL	1.77	GIS	ALL		NAT	ADM			ADM	ADM	4921	Garnet Hill	
07N58	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N60	CAL	0.40	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N70	CAL	0.77	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N75	CAL	1.84	GIS	HLO	HLO	AGG				ALL		4911	Tamarack	Combined Use
07N75C	CAL	0.49	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N77	CAL	0.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N82	CAL	0.95	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N82A	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N87	CAL	1.70	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.14	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.20	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87B	CAL	0.11	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N93	CAL	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N94	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N94A	CAL	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N95	CAL	0.08	GIS	ALL		NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95A	CAL	0.11	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
08N01A	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.23	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N13	CAL	0.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
08N14	CAL	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR10831	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR11116	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR12088	CAL	0.11	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12476	CAL	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12477	CAL	0.37	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR5219	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR7181	CAL	0.16	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR8080	CAL	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
FR8319	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.48	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8322	CAL	0.08	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8323	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8925	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR9330	CAL	0.11	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR9331	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FS83231	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
01N01	GR	7.77	GIS	HLO	HLO	AGG	ALL			ALL		4571	Duckwall Mt	Mixed Use
01N01	GR	0.36	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	Mixed Use
01N01	GR	0.03	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	Mixed Use
01N01	GR	0.43	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	Mixed Use
01N01C	GR	0.19	GIS	ML1		NAT	t-ALL			t-ALL		4562	Cherry Lake S	
01N01D	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N04	GR	5.14	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N04A	GR	0.44	GIS	ML1		AGG	t-4WD			t-ALL		4562	Cherry Lake S	
01N04C	GR	0.91	GIS	ML1		NAT	t-4WD			t-ALL		4733	Cherry Lake N	
01N07A	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01N07Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	1.07	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N09	GR	6.62	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01N10	GR	5.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10	GR	6.62	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01N10A	GR	0.53	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10B	GR	0.16	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N14	GR	1.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N14	GR	2.72	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14A	GR	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14B	GR	0.96	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01N14E	GR	0.54	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N14F	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N15	GR	1.09	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
01N15Y	GR	0.53	GIS	ML1		AGG	ADM			ADM	ADM	4562	Cherry Lake S	
01N23	GR	1.98	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N32Y	GR	1.03	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N33Y	GR	0.29	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N34	GR	1.24	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N34A	GR	0.93	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N37	GR	1.43	GIS	ML1	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
01N40Y	GR	1.91	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N40Y	GR	0.62	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N45	GR	1.73	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N45Y	GR	0.48	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N60	GR	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N60A	GR	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N69	GR	1.14	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N76	GR	0.74	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.97	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.67	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N81	GR	0.72	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N86	GR	1.19	GIS	ML1		NAT	ADM			ADM	ADM	4562	Cherry Lake S	
01N88	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N91	GR	0.58	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N97	GR	5.01	GIS	ALL	ALL	AGG	HLO				ML1	4562	Cherry Lake S	
01N97E	GR	0.64	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01S01	GR	2.95	GIS	ML1		NAT	ADM			t-4WD	ADM	4574	Jawbone Ridge	
01S01Y	GR	0.59	GIS	ALL		NAT	ML1				ML1	4563	Ascension Mt	
01S01Y	GR	0.07	GIS	ALL		NAT	HLO			HLO	ML1	4563	Ascension Mt	
01S01YA	GR	0.17	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S01YB	GR	0.66	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S01YC	GR	0.13	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S03	GR	0.01	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	Combined Use
01S03	GR	0.68	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	Combined Use
01S03	GR	2.33	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	Combined Use
01S03	GR	0.91	GIS	HLO	HLO	AGG	ALL			ALL		4563	Ascension Mt	Combined Use
01S03A	GR	0.63	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S04	GR	1.28	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S04	GR	0.51	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S05A	GR	0.65	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S05Y	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S06	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06B	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S11C	GR	0.68	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.08	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11D	GR	0.98	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S11Y	GR	1.44	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S12	GR	2.25	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4381	El Portal	
01S13	GR	0.70	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4574	Jawbone Ridge	
01S13Y	GR	1.22	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S14K	GR	0.17	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S14L	GR	0.58	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S15C	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S15Y	GR	3.14	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S15Y	GR	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S15YA	GR	1.36	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15YB	GR	0.18	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S16A	GR	0.27	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S16B	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16Y	GR	1.87	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S17	GR	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17A	GR	0.56	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17D	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S19Y	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S20	GR	0.30	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S20Y	GR	0.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4561	Lake Eleanor	
01S23C	GR	0.27	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S23E	GR	0.16	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S23Y	GR	0.67	GIS	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01S26	GR	2.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26	GR	2.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26A	GR	0.20	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S26B	GR	0.41	GIS	ML1	ALL	NAT				t-ALL		4563	Ascension Mt	
01S26C	GR	0.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26E	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S27	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S27Y	GR	0.84	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S28B	GR	0.59	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S29A	GR	0.24	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
01S30	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30	GR	1.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30A	GR	0.24	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S30B	GR	0.55	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S32A	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4561	Lake Eleanor	
01S33	GR	1.72	GIS	ALL	ALL	NAT	ML1			HLO	ML1	4573	Groveland	
01S35Y	GR	1.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S35Y	GR	1.00	GIS	ML1		NAT				t-4WD		4573	Groveland	
01S35YA	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
01S36Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
01S39	GR	0.80	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S39Y	GR	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YA	GR	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YB	GR	0.38	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S40Y	GR	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S42	GR	1.03	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S43	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S45Y	GR	0.04	GIS	ML1		NAT	ALL			ALL		4574	Jawbone Ridge	
01S45Y	GR	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S46	GR	0.25	GIS	ML1		NAT	t-4WD			t-4WD		4574	Jawbone Ridge	
01S50	GR	0.43	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S51	GR	2.24	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S51A	GR	0.77	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S51B	GR	0.71	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S52	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S52Y	GR	0.49	GIS	ML1		NAT	t-4WD			t-4WD		4574	Jawbone Ridge	
01S53	GR	1.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S54Y	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S55Y	GR	0.17	GIS	ALL	ALL	AC	HLO			HLO	HLO	4573	Groveland	
01S55Y	GR	1.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S56Y	GR	0.60	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S57	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S57B	GR	1.45	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S57Y	GR	0.66	GIS	ML1		NAT	t-4WD			t-4WD		4564	Ackerson Mt	
01S58	GR	3.00	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S59	GR	0.87	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S60Y	GR	0.51	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S61Y	GR	0.26	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S61YA	GR	0.55	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S62	GR	1.42	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S63	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S63Y	GR	2.26	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S63YA	GR	0.10	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S65Y	GR	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S66Y	GR	0.49	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S70	GR	1.10	GIS	ALL	ALL	NAT					ML1	4563	Ascension Mt	
01S70	GR	1.64	GIS	ALL		AGG					ML1	4563	Ascension Mt	
01S70A	GR	0.34	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S73Y	GR	2.12	GIS	ML1	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
01S79	GR	0.12	GIS	ML1	ATV	NAT	t-ATV			t-ATV		4563	Ascension Mt	
01S79	GR	2.51	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
01S79	GR	0.19	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S81	GR	1.90	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S81A	GR	0.59	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S81Y	GR	1.00	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S82	GR	1.39	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S86	GR	2.77	GIS	ML1	HLO	NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S86B	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S96	GR	1.52	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
01S96A	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S97	GR	0.90	GIS	ML1		NAT	t-4WD			t-4WD		4564	Ackerson Mt	
02N04	GR	1.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
02N04	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
02N05	GR	0.83	GIS	HLO	HLO	NAT	ALL			ALL		4733	Cherry Lake N	Mixed Use
02N14	GR	1.81	GIS	HLO	HLO	AGG	ALL			ALL		4744	Hull Creek	Mixed Use
02N14	GR	2.57	GIS	HLO	HLO	AGG	ALL			ALL		4744	Hull Creek	Mixed Use
02N64	GR	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4744	Hull Creek	
02N82	GR	1.33	GIS	ALL	ALL	NAT				t-ALL		4733	Cherry Lake N	
02N87	GR	0.13	GIS	ALL	ALL	NAT	ADM				ADM	4562	Cherry Lake S	
02S01	GR	0.79	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.07	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.67	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	1.26	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	7.71	GIS	ALL		NAT	HLO				HLO	4563	Ascension Mt	
02S01A	GR	0.92	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01C	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4563	Ascension Mt	
02S01G	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S02	GR	5.35	GIS	HLO	HLO	AGG	ALL			ALL		4563	Ascension Mt	Mixed Use
02S02	GR	0.10	GIS	HLO	HLO	AGG	ALL			ALL		4382	Kinsley	Mixed Use
02S02	GR	2.37	GIS	HLO	HLO	AGG	ALL			ALL		4382	Kinsley	Mixed Use
02S04	GR	1.47	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
02S04Y	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S04YA	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S05C	GR	0.98	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S07	GR	2.88	GIS	ML1		NAT	ALL			ALL	ALL	4574	Jawbone Ridge	
02S07A	GR	0.66	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
02S07Y	GR	1.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S08	GR	3.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S09A	GR	1.64	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S09Y	GR	1.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S10Y	GR	0.88	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S11C	GR	1.04	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S11Y	GR	0.76	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S12Y	GR	0.45	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S12YA	GR	0.28	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S13	GR	0.91	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S13	GR	2.75	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S17Y	GR	1.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S18A	GR	0.55	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
02S18Y	GR	1.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S20	GR	1.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	EI Portal	
02S20C	GR	0.37	GIS	ML1		NAT	t-ALL			t-ALL		4381	EI Portal	
02S20Y	GR	2.33	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S21	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	1.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	3.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21Y	GR	0.30	GIS	ALL	ALL	NAT	t-ALL			t-ALL	ML1	4563	Ascension Mt	
02S21Y	GR	1.53	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S22	GR	0.73	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S22Y	GR	1.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S23	GR	1.64	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	1.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23YA	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
02S24	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S24Y	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S26	GR	1.48	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S30	GR	1.11	GIS	HLO	HLO	BIT	ALL			ALL		4563	Ascension Mt	Combined Use
02S30A	GR	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S30B	GR	0.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S34	GR	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S35	GR	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37	GR	1.60	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37YB	GR	0.74	GIS	ML1		NAT	t-ALL			t-ALL		4381	EI Portal	
02S39B	GR	0.85	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
02S41	GR	1.60	GIS	ML1		NAT	ALL			ALL		4574	Jawbone Ridge	
02S43	GR	1.40	GIS	ML1		NAT	t-4WD			t-4WD		4391	Buckhorn Peak	
02S44	GR	1.49	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S45	GR	1.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S47	GR	0.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S50Y	GR	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S52	GR	0.35	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S53	GR	0.97	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
02S53	GR	0.11	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
02S53A	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56	GR	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56A	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S57	GR	0.29	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S57	GR	0.67	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S58	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S59A	GR	0.50	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S59B	GR	1.35	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S64C	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S65D	GR	0.22	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
02S68	GR	1.81	GIS	ML1		NAT	ALL			ALL		4563	Ascension Mt	
02S74	GR	1.37	GIS	ML1		NAT				t-ALL		4381	EI Portal	
02S74A	GR	1.73	GIS	ML1		NAT				t-ALL		4381	EI Portal	
02S82	GR	0.34	GIS	ML1		NAT	t-4WD			t-ALL		4381	EI Portal	
02S83	GR	1.83	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S83B	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S84	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	EI Portal	
02S86	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S93C	GR	0.36	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S97	GR	0.63	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S97	GR	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
03N01	GR	0.57	GIS	HLO	HLO	AGG	ALL			ALL		4733	Cherry Lake N	Combined Use
03N01	GR	0.86	GIS	HLO	HLO	AGG	ALL			ALL		4733	Cherry Lake N	Combined Use
03N01	GR	0.30	GIS	HLO	HLO	AC	ALL			ALL		4571	Duckwall Mt	Combined Use
03N01	GR	0.31	GIS	HLO	HLO	AC	ALL			ALL		4571	Duckwall Mt	Combined Use
03N01	GR	0.60	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	Combined Use
03N01	GR	2.24	GIS	HLO	HLO	AGG				ALL		4733	Cherry Lake N	Mixed Use

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
03N01C	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
03N01P	GR	0.44	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
03N01P	GR	0.61	GIS	ALL	ALL	NAT	t-4WD				HLO	4562	Cherry Lake S	
03N01Q	GR	0.20	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
03S06	GR	0.66	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
21904B	GR	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
FR4898	GR	0.09	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR4898	GR	0.22	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR7856	GR	0.14	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
FR8445	GR	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
FR8602	GR	0.23	MAP	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01N01	MW	5.77	GIS	ALL	ALL	NAT					t-ALL	4571	Duckwall Mt	
01N01	MW	0.02	GIS	HLO	HLO	NAT	ALL			ALL		4572	Tuolumne	Mixed Use
01N01	MW	8.47	GIS	HLO	HLO	AC	ALL			ALL		4572	Tuolumne	Mixed Use
01N01J	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N03	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N16	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N33	MW	0.73	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
01N58A	MW	0.40	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
02N03Y	MW	0.79	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.04	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.29	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.16	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.58	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03YA	MW	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03YB	MW	0.18	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
02N03YB	MW	0.43	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
02N07	MW	0.92	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N07D	MW	0.05	GIS	ML1		NAT	t-ALL			t-ALL		4743	Twain Harte	
02N08	MW	0.42	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.43	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.30	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08A	MW	0.29	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N09	MW	0.14	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
02N09	MW	1.13	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
02N09A	MW	0.36	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.11	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N10	MW	1.17	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N10	MW	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	1.77	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.86	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N13Y	MW	0.26	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N13Y	MW	0.85	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N14	MW	3.50	GIS	HLO	HLO	AGG	ALL			ALL		4744	Hull Creek	Mixed Use
02N26	MW	0.47	GIS	ALL	ALL	AC	HLO				HLO	4743	Twain Harte	
02N26	MW	0.21	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N26	MW	0.59	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N32Y	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N34	MW	2.63	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N34A	MW	0.84	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N34B	MW	0.56	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N34C	MW	0.47	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N39	MW	0.86	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02N39A	MW	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.65	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	1.60	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4571	Duckwall Mt	
02N58	MW	0.80	GIS	ALL	ALL	NAT	ML1					ML1	4744	Hull Creek	
02N63A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N63B	MW	0.15	MAO	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75	MW	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75A	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N81	MW	2.08	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N81A	MW	0.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N88	MW	1.35	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N88A	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N93	MW	1.02	GIS	ALL	ALL	NAT	ML1					ML1	4743	Twain Harte	
03N01	MW	1.80	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Combined Use
03N01	MW	5.77	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.69	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
03N01	MW	1.58	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	Mixed Use
03N01D	MW	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N01H	MW	0.95	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01J	MW	0.81	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01L	MW	0.38	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01M	MW	0.63	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01U	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N01W	MW	0.22	GIS	ML1	ALL	NAT				t-ALL			4744	Hull Creek	
03N01Y	MW	1.69	GIS	ALL	MC	NAT	t-MC			t-MC	t-MC		4743	Twain Harte	
03N02	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	3.43	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03B	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03C	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N04	MW	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N06Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N06Y	MW	0.89	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N07	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N08Y	MW	0.49	GIS	ML1	ALL	NAT	t-ATV			t-ATV	t-ATV		4744	Hull Creek	
03N10Y	MW	0.57	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N10YA	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	5.13	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.61	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11A	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11B	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11C	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11D	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12	MW	3.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12A	MW	1.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12B	MW	1.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N14	MW	0.89	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.34	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.13	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N15	MW	3.56	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N16	MW	3.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N16	MW	1.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N17Y	MW	1.30	GIS	ALL	ALL	NAT						HLO	4732	Pincrest	
03N18	MW	2.57	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20Y	MW	2.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
03N20YB	MW	0.11	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N20YC	MW	0.81	GIS	ALL	ALL	NAT	HLO				HLO	4733	Cherry Lake N	
03N20YD	MW	0.84	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N20YD	MW	0.50	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N22	MW	1.85	GIS	ALL	ALL	AGG					HLO	4733	Cherry Lake N	
03N22A	MW	1.32	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N22Y	MW	0.60	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N24	MW	4.87	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N24A	MW	0.09	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
03N24D	MW	0.30	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N25	MW	1.43	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N26YA	MW	0.11	GIS	ALL	ALL	NAT					ML1	4744	Hull Creek	
03N26YB	MW	0.14	GIS	ML1	ALL	NAT	ALL			ALL		4744	Hull Creek	
03N26YB	MW	0.15	GIS	ML1	ALL	NAT	ALL			t-ATV		4744	Hull Creek	
03N27	MW	2.85	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27	MW	1.60	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27A	MW	1.03	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27B	MW	0.34	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27C	MW	2.06	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27C	MW	0.65	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27Y	MW	1.20	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27YA	MW	0.40	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N28	MW	2.26	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N29A	MW	0.70	GIS	ALL	ALL	NAT					HLO	4732	Pincrest	
03N29C	MW	1.05	GIS	ALL	ALL	NAT					HLO	4732	Pincrest	
03N30	MW	1.75	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N30	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N30	MW	0.62	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N30	MW	1.02	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N30	MW	0.14	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N30	MW	0.38	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N30	MW	0.04	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N32Y	MW	2.18	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N32YA	MW	0.28	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N34	MW	1.63	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N34A	MW	0.27	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N34Y	MW	0.75	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N34Y	MW	3.21	GIS	HLO	HLO	AGG	ALL			ALL		4733	Cherry Lake N	Mixed Use
03N38	MW	0.04	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N39	MW	3.16	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N40	MW	0.23	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N41	MW	1.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
03N43A	MW	0.55	GIS	ML1		NAT				t-ALL		4744	Hull Creek	
03N44	MW	1.62	GIS	ALL	ALL	NAT	HLO				HLO	4753	Columbia	
03N45	MW	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N45YA	MW	0.54	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N46	MW	0.42	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N46	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N46Y	MW	0.80	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N48	MW	2.30	GIS	ALL	ALL	AGG	HLO				HLO	4741	Strawberry	
03N48	MW	0.59	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N48	MW	0.12	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N48	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N48A	MW	0.53	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N48B	MW	0.80	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N48Y	MW	0.75	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4744	Hull Creek	
03N50	MW	0.91	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N50	MW	2.05	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N53	MW	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N58	MW	0.29	GIS	ALL	ALL	NAT	t-MC			t-MC	ML1	4743	Twain Harte	
03N59	MW	0.52	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
03N59A	MW	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N60	MW	1.33	GIS	ML1	ATV	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N68	MW	1.71	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N68Y	MW	0.88	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N69	MW	0.56	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N69	MW	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N69	MW	3.83	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N69A	MW	0.61	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
03N69Y	MW	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
03N69Y	MW	0.42	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
03N70A	MW	0.13	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N71	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N71	MW	0.64	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N71	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N71Y	MW	1.30	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
03N71Y	MW	0.28	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
03N72	MW	1.43	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N73	MW	2.05	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N73B	MW	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N75Y	MW	0.32	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N77	MW	0.56	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N84	MW	0.47	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N87	MW	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N87	MW	2.04	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N89	MW	0.72	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N90	MW	3.77	GIS	ALL	ALL	AGG	HLO				HLO	4744	Hull Creek	
03N91	MW	0.17	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N91	MW	0.12	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N91	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N91	MW	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N92	MW	0.88	GIS	ALL	ALL	AGG	HLO				HLO	4744	Hull Creek	
03N92	MW	0.30	GIS	ALL	ALL	AGG	HLO				HLO	4744	Hull Creek	
03N95	MW	1.12	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N95A	MW	0.56	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N99	MW	1.50	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N99	MW	0.15	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N99	MW	0.87	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N01	MW	2.26	GIS	ALL	ALL	AGG	HLO				HLO	4741	Strawberry	
04N01	MW	0.38	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N01	MW	2.32	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N01	MW	0.41	GIS	ALL	ALL	AGG	HLO				HLO	4751	Stanislaus	
04N01	MW	0.52	GIS	ALL	ALL	AGG	HLO				HLO	4751	Stanislaus	
04N01A	MW	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N01B	MW	0.58	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N01C	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N01Y	MW	0.59	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N02	MW	0.54	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
04N02	MW	1.07	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N02	MW	0.16	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N02	MW	0.17	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N04	MW	2.29	GIS	ALL	ALL	AGG	HLO				HLO	4751	Stanislaus	
04N04	MW	0.25	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N04	MW	0.38	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N04A	MW	0.77	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N04C	MW	1.10	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N05	MW	0.48	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N05	MW	1.25	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N05B	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N09	MW	0.62	GIS	ML1	ALL	NAT	ALL			ALL		4732	Pinecrest	
04N09	MW	0.04	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4732	Pinecrest	
04N09	MW	0.27	GIS	ML1		NAT				t-ALL		4732	Pinecrest	
04N09	MW	0.76	GIS	ML1		NAT				t-MC		4732	Pinecrest	
04N09	MW	0.30	GIS	HLO	HLO	BIT	ALL			ALL		4744	Hull Creek	Combined Use

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N11	MW	4.94	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N15Y	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16Y	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16YA	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N17	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17D	MW	0.59	GIS	ALL	ALL	NAT	ML1			t-ALL		ML1	4742	Crandall Peak	
04N17E	MW	0.32	GIS	ALL	ALL	NAT	ML1					ML1	4742	Crandall Peak	
04N17F	MW	0.63	GIS	ALL	ALL	NAT	ML1					ML1	4742	Crandall Peak	
04N18	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N20Y	MW	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N20YA	MW	0.20	GIS	ALL	ALL	NAT	ML1			ML1		ML1	4751	Stanislaus	
04N25	MW	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4732	Pinecrest	Combined Use
04N32	MW	2.00	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N32A	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32C	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N33	MW	0.42	GIS	HLO	ALL	NAT				ALL			4744	Hull Creek	Mixed Use
04N35Y	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N49Y	MW	0.16	GIS	ALL	ALL	NAT	ML1					ML1	4732	Pinecrest	
04N49Y	MW	1.23	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N49YA	MW	0.13	GIS	ML1		NAT	t-4WD			t-ALL			4732	Pinecrest	
04N50Y	MW	2.01	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50Y	MW	1.57	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50YC	MW	1.10	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N61A	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N69	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N72Y	MW	0.93	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
04N72YA	MW	0.25	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
04N74	MW	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N75	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N78	MW	2.86	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N90	MW	4.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N98	MW	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N02Y	SU	1.86	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N06YA	SU	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10	SU	2.43	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10A	SU	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N10B	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N11	SU	2.38	GIS	ALL	ALL	AGG	HLO					HLO	4732	Pinecrest	
04N12Q	SU	0.17	MAP	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	SU	0.34	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N13	SU	2.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N24	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N25A	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26B	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26C	SU	0.35	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N27Y	SU	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.79	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31A	SU	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32	SU	0.60	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N33	SU	1.75	GIS	ALL	ALL	BIT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.44	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N35Y	SU	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N47	SU	4.03	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47D	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N47Y	SU	1.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N51Y	SU	0.51	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N54	SU	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57A	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N67	SU	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N67A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N68Y	SU	1.52	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N70	SU	1.51	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71	SU	1.13	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71A	SU	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N73	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N76Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N76Y	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N77Y	SU	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78Y	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YA	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YB	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N01	SU	2.54	GIS	HLO	HLO	AGG	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.55	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.47	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	2.61	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N02C	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02C	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02D	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02F	SU	0.24	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
05N02H	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N04	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N14D	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N17Y	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N26Y	SU	1.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N29Y	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N29Y	SU	0.18	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N44	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N59	SU	1.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N73Y	SU	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
05N85Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N85YA	SU	0.90	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N93	SU	1.44	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N06A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B1	SU	0.27	MAP	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06C	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06F	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N07Y	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N08Y	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
06N09Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N12	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N14	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N16A	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
06N19	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N19A	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N24	SU	0.13	GIS	ALL	ALL	AGG	ADM					ADM	4903	Donnell Lake	
06N24	SU	0.32	GIS	ALL	ALL	AGG	ML1					ML1	4903	Donnell Lake	
06N24	SU	0.49	GIS	ALL	ALL	AGG	HLO					HLO	4903	Donnell Lake	
06N24A	SU	0.19	GIS	ALL	ALL	AGG	HLO			HLO		HLO	4903	Donnell Lake	
06N30	SU	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N30A	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N33Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34Y	SU	2.91	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34YD	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N36Y	SU	1.12	GIS	ALL	ALL	NAT	ADM					ADM	4904	Dardanelle	
06N36Y	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N36Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N37Y	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N39Y	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N44Y	SU	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N45Y	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N47Y	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N82Y	SU	0.24	GIS	ALL	ALL	NAT	t-4WD					HLO	4904	Dardanelle	
07N13	SU	0.60	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N13A	SU	0.15	GIS	ALL		NAT	HLO					HLO	4901	Dardanelles Cone	
07N30Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YA	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YB	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
41899Z21	SU	0.08	MAP	ALL	ALL	AC	HLO			HLO		HLO	4732	Pincrest	
51913A1	SU	0.06	MAP	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
61919A	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
61931B04	SU	0.06	MAP	ALL	ALL	NAT	t-4WD					t-4WD	4903	Donnell Lake	
61932B	SU	0.05	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4903	Donnell Lake	
62127C	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
72032C	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
FR12607	SU	0.19	MAP	ALL	ALL	AC	HLO			HLO		HLO	4741	Strawberry	
FR14823	SU	0.25	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4901	Dardanelles Cone	
FR14833	SU	0.09	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4901	Dardanelles Cone	
719.69															

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
05N40	CAL	0.15	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
06N11Y	CAL	0.81	GIS	ALL		NAT	ADM			ADM	ADM	4913	Boards Crossing	
06N71Y	CAL	1.35	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	0.37	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	2.52	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
07N17B	CAL	0.57	GIS	ALL	ALL	AGG	ADM				ADM	4911	Tamarack	
07N57	CAL	0.29	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N58	CAL	1.77	GIS	ALL		NAT	ADM			ADM	ADM	4921	Garnet Hill	
07N60	CAL	0.40	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95	CAL	0.08	GIS	ALL		NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95A	CAL	0.11	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
01N09	GR	6.62	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01N15Y	GR	0.53	GIS	ML1		AGG	ADM			ADM	ADM	4562	Cherry Lake S	
01N86	GR	1.19	GIS	ML1		NAT	ADM			ADM	ADM	4562	Cherry Lake S	
01S01	GR	2.95	GIS	ML1		NAT	ADM			t-4WD	ADM	4574	Jawbone Ridge	
01S15Y	GR	3.14	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S15YB	GR	0.18	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S16A	GR	0.27	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S23E	GR	0.16	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S28B	GR	0.59	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S50	GR	0.43	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S58	GR	3.00	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S63Y	GR	2.26	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S63YA	GR	0.10	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
02N87	GR	0.13	GIS	ALL	ALL	NAT	ADM				ADM	4562	Cherry Lake S	
02S04	GR	1.47	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
02S57	GR	0.29	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S57	GR	0.67	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
FR4898	GR	0.09	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR4898	GR	0.22	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR8602	GR	0.23	MAP	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
02N09	MW	0.14	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
02N09	MW	1.13	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
06N24	SU	0.13	GIS	ALL	ALL	AGG	ADM				ADM	4903	Donnell Lake	
06N36Y	SU	1.12	GIS	ALL	ALL	NAT	ADM				ADM	4904	Dardanelle	
05N14	CAL	0.55	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	0.53	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	3.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	1.12	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.02	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.71	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.34	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.60	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	4.62	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
06N58	CAL	0.03	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.79	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.46	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.08	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.36	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.70	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.18	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	1.74	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.90	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.12	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N62	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N05	CAL	0.53	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.84	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.13	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	2.23	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.48	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.09	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.44	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
07N09	CAL	0.01	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N09	CAL	0.59	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N09	CAL	2.94	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N28	CAL	0.91	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N28	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N28	CAL	0.96	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
01N01	GR	7.77	GIS	HLO	HLO	AGG	ALL			ALL			4571	Duckwall Mt	Mixed Use
01N01	GR	0.36	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01N01	GR	0.03	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01N01	GR	0.43	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01N37	GR	1.43	GIS	ML1	ALL	NAT	ALL			ALL			4571	Duckwall Mt	
01S03	GR	0.01	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	0.68	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	2.33	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	0.91	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	Combined Use
01S04	GR	1.28	GIS	ML1	ALL	AGG	ALL			t-ALL			4563	Ascension Mt	
01S04	GR	0.51	GIS	ML1	ALL	AGG	ALL			t-ALL			4563	Ascension Mt	
01S45Y	GR	0.04	GIS	ML1		NAT	ALL			ALL			4574	Jawbone Ridge	
01S73Y	GR	2.12	GIS	ML1	ALL	NAT	ALL			ALL			4574	Jawbone Ridge	
02N05	GR	0.83	GIS	HLO	HLO	NAT	ALL			ALL			4733	Cherry Lake N	Mixed Use
02N14	GR	1.81	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02N14	GR	2.57	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02S02	GR	5.35	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	Mixed Use
02S02	GR	0.10	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S02	GR	2.37	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S07	GR	2.88	GIS	ML1		NAT	ALL			ALL	ALL		4574	Jawbone Ridge	
02S30	GR	1.11	GIS	HLO	HLO	BIT	ALL			ALL			4563	Ascension Mt	Combined Use
02S41	GR	1.60	GIS	ML1		NAT	ALL			ALL			4574	Jawbone Ridge	
02S68	GR	1.81	GIS	ML1		NAT	ALL			ALL			4563	Ascension Mt	
03N01	GR	0.57	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.86	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.30	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.31	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.60	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Combined Use
01N01	MW	0.02	GIS	HLO	HLO	NAT	ALL			ALL			4572	Tuolumne	Mixed Use
01N01	MW	8.47	GIS	HLO	HLO	AC	ALL			ALL			4572	Tuolumne	Mixed Use
02N14	MW	3.50	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.80	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Combined Use
03N01	MW	5.77	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.69	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
03N26YB	MW	0.14	GIS	ML1	ALL	NAT	ALL			ALL			4744	Hull Creek	
03N26YB	MW	0.15	GIS	ML1	ALL	NAT	ALL			t-ATV			4744	Hull Creek	
03N34Y	MW	3.21	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
04N09	MW	0.62	GIS	ML1	ALL	NAT	ALL			ALL			4732	Pinecrest	
04N09	MW	0.30	GIS	HLO	HLO	BIT	ALL			ALL			4744	Hull Creek	Combined Use
04N25	MW	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4732	Pinecrest	Combined Use
05N01	SU	2.54	GIS	HLO	HLO	AGG	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.55	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.47	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	2.61	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
06N64	CAL	0.93	GIS	ALL	ALL	NAT	ML1			ML1	ML1		4924	Dorrington	
06N94	CAL	1.68	GIS	ALL	ALL	NAT	ML1			ML1	ML1		4914	Liberty Hill	
01N15	GR	1.09	GIS	ALL	ALL	NAT	ML1				ML1		4571	Duckwall Mt	
01S01Y	GR	0.59	GIS	ALL		NAT	ML1				ML1		4563	Ascension Mt	
01S01YA	GR	0.17	GIS	ALL	ALL	NAT	ML1				ML1		4563	Ascension Mt	
01S11Y	GR	1.44	GIS	ALL	ALL	NAT	ML1				ML1		4563	Ascension Mt	
01S15YA	GR	1.36	GIS	ALL	ALL	NAT	ML1				ML1		4563	Ascension Mt	
01S30B	GR	0.55	GIS	ALL	ALL	NAT	ML1				ML1		4563	Ascension Mt	
01S33	GR	1.72	GIS	ALL	ALL	NAT	ML1			HLO	ML1		4573	Groveland	
01S62	GR	1.42	GIS	ALL	ALL	NAT	ML1				ML1		4563	Ascension Mt	
01S70A	GR	0.34	GIS	ALL	ALL	NAT	ML1				ML1		4563	Ascension Mt	
02S65D	GR	0.22	GIS	ALL	ALL	NAT	ML1				ML1		4563	Ascension Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01N58A	MW	0.40	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
02N58	MW	0.80	GIS	ALL	ALL	NAT	ML1				ML1	4744	Hull Creek	
02N93	MW	1.02	GIS	ALL	ALL	NAT	ML1				ML1	4743	Twain Harte	
04N17D	MW	0.59	GIS	ALL	ALL	NAT	ML1			t-ALL	ML1	4742	Crandall Peak	
04N17E	MW	0.32	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N17F	MW	0.63	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N20YA	MW	0.20	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4751	Stanislaus	
04N49Y	MW	0.16	GIS	ALL	ALL	NAT	ML1				ML1	4732	Pinecrest	
06N24	SU	0.32	GIS	ALL	ALL	AGG	ML1				ML1	4903	Donnell Lake	
04N04Y	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N06	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N38	CAL	2.64	GIS	ALL	ALL	AC	HLO			HLO	HLO	4751	Stanislaus	
04N80Y	CAL	1.17	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	1.14	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.16	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.59	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
05N02B	CAL	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	1.48	GIS	ALL	ALL	NAT	HLO			HLO	ML1	4913	Boards Crossing	
05N14L	CAL	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14M	CAL	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N35	CAL	1.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N35B	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51Y	CAL	1.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51YA	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N53Y	CAL	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N56	CAL	0.01	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4924	Dorrington	
06N13X	CAL	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N29Y	CAL	0.98	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
06N40	CAL	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N44	CAL	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N60Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
06N80	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N81Y	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.26	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81YA	CAL	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N82	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
07N01C	CAL	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01E	CAL	0.36	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01G	CAL	0.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02	CAL	2.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
07N08	CAL	2.57	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	1.94	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	0.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4924	Dorrington	
07N16X	CAL	1.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N17	CAL	2.79	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.24	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N18Y	CAL	0.90	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N29Y	CAL	3.96	GIS	ALL	ALL	AGG	HLO				HLO	4911	Tamarack	
07N38	CAL	0.75	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N40Y	CAL	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N49Y	CAL	0.36	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4911	Tamarack	
07N55	CAL	1.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55A	CAL	0.59	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55Y	CAL	0.40	GIS	ALL	ALL	NAT	HLO				HLO	4902	Spicer Mdw Res	
07N58	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N70	CAL	0.77	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N75C	CAL	0.49	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N77	CAL	0.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N82	CAL	0.95	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
07N82A	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N93	CAL	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N94	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N94A	CAL	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
08N01A	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.23	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N13	CAL	0.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
08N14	CAL	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR10831	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR11116	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR12088	CAL	0.11	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12476	CAL	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12477	CAL	0.37	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR5219	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR7181	CAL	0.16	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR8080	CAL	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
FR8319	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.48	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8322	CAL	0.08	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8323	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8925	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR9330	CAL	0.11	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR9331	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FS83231	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
01N04	GR	5.14	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	1.07	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N10	GR	5.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10	GR	6.62	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01N10A	GR	0.53	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N14	GR	1.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N14	GR	2.72	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14A	GR	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14F	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N23	GR	1.98	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N40Y	GR	1.91	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N45Y	GR	0.48	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N60	GR	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N60A	GR	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.74	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.97	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.67	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N88	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N97	GR	5.01	GIS	ALL	ALL	AGG	HLO				ML1	4562	Cherry Lake S	
01S01Y	GR	0.07	GIS	ALL		NAT	HLO			HLO	ML1	4563	Ascension Mt	
01S01YB	GR	0.66	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S05Y	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S06	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06B	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S12	GR	2.25	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4381	EI Portal	
01S13	GR	0.70	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4574	Jawbone Ridge	
01S13Y	GR	1.22	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S15Y	GR	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16B	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16Y	GR	1.87	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S17	GR	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17A	GR	0.56	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S17D	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S19Y	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S20Y	GR	0.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4561	Lake Eleanor	
01S23Y	GR	0.67	GIS	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01S26	GR	2.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26	GR	2.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26C	GR	0.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26E	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S27Y	GR	0.84	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30	GR	1.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S35Y	GR	1.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S35YA	GR	0.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S36Y	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S39Y	GR	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YA	GR	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S40Y	GR	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S43	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S51	GR	2.24	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S52	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S53	GR	1.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S55Y	GR	0.17	GIS	ALL	ALL	AC	HLO			HLO	HLO	4573	Groveland	
01S55Y	GR	1.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S57	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S63	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S81	GR	1.90	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S81Y	GR	1.00	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S82	GR	1.39	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S96	GR	1.52	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
01S96A	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02N04	GR	1.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
02N04	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
02S01	GR	0.79	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.07	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.67	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	1.26	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	7.71	GIS	ALL		NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01A	GR	0.92	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01C	GR	0.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01G	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S04Y	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S04YA	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S07Y	GR	1.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S08	GR	3.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S09Y	GR	1.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S11Y	GR	0.76	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S12Y	GR	0.45	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S12YA	GR	0.28	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S13	GR	0.91	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S13	GR	2.75	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S17Y	GR	1.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S18A	GR	0.55	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S18Y	GR	1.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S20	GR	1.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S21	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	1.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	3.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S22Y	GR	1.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
02S23	GR	1.64	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	1.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S24	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S24Y	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S30A	GR	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S30B	GR	0.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S34	GR	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S35	GR	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37	GR	1.60	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S44	GR	1.49	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S45	GR	1.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S47	GR	0.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S50Y	GR	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S52	GR	0.35	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S53	GR	0.97	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
02S53	GR	0.11	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
02S53A	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56	GR	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56A	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S58	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S83	GR	1.83	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S83B	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S84	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S86	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S97	GR	0.63	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S97	GR	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
03N01C	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
03N01P	GR	0.44	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
03N01Q	GR	0.20	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
21904B	GR	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
FR7856	GR	0.14	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
FR8445	GR	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01N01J	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N03	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N16	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N33	MW	0.73	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N03Y	MW	0.79	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.04	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.29	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.16	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.58	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03YA	MW	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N07	MW	0.92	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N08	MW	0.42	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.43	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.30	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08A	MW	0.29	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N09A	MW	0.36	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.11	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N10	MW	1.17	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N10	MW	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	1.77	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02N10	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N13Y	MW	0.26	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N13Y	MW	0.85	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N26	MW	0.47	GIS	ALL	ALL	AC	HLO					HLO	4743	Twain Harte	
02N26	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N26	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N32Y	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N34	MW	2.63	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
02N34A	MW	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34B	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34C	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39A	MW	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.65	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	1.60	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4571	Duckwall Mt	
02N63A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N63B	MW	0.15	MAO	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75	MW	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75A	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N88	MW	1.35	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N88A	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N01D	MW	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N01U	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N02	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	3.43	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03B	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03C	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N04	MW	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N06Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N06Y	MW	0.89	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N07	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N10Y	MW	0.57	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N10YA	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	5.13	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.61	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11A	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11B	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11C	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11D	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12	MW	3.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12A	MW	1.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12B	MW	1.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N14	MW	0.89	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.34	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.13	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N15	MW	3.56	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N20YC	MW	0.81	GIS	ALL	ALL	NAT	HLO					HLO	4733	Cherry Lake N	
03N24	MW	4.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N24D	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	1.75	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N30	MW	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N34	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N34A	MW	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N38	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N39	MW	3.16	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N41	MW	1.68	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4744	Hull Creek	
03N44	MW	1.62	GIS	ALL	ALL	NAT	HLO					HLO	4753	Columbia	
03N45	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N48	MW	2.30	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
03N48	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48A	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48B	MW	0.80	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N50	MW	0.91	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N50	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N53	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N59	MW	0.52	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N59A	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N68	MW	1.71	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N68Y	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N69	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	0.82	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	3.83	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N69A	MW	0.61	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4743	Twain Harte	
03N69Y	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N69Y	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N70A	MW	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.64	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N72	MW	1.43	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N73	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N73B	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N77	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N84	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N87	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N87	MW	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N89	MW	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N90	MW	3.77	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N91	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N92	MW	0.88	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N92	MW	0.30	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N95	MW	1.12	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N95A	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N99	MW	1.50	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.15	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N01	MW	2.26	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N01	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	2.32	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	0.41	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01	MW	0.52	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01A	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01B	MW	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N01C	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01Y	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N02	MW	0.54	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
04N02	MW	1.07	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.17	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N04	MW	2.29	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N04	MW	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04A	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04C	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	1.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05B	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N11	MW	4.94	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N15Y	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16Y	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16YA	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N17	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N20Y	MW	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N32	MW	2.00	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N32A	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32C	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N35Y	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N61A	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N69	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N74	MW	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N75	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N78	MW	2.86	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N90	MW	4.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N98	MW	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N02Y	SU	1.86	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N06YA	SU	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10	SU	2.43	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10A	SU	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N10B	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N11	SU	2.38	GIS	ALL	ALL	AGG	HLO					HLO	4732	Pinecrest	
04N12Q	SU	0.17	MAP	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	SU	0.34	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N13	SU	2.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N24	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N25A	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26B	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26C	SU	0.35	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N27Y	SU	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.79	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31A	SU	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32	SU	0.60	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N33	SU	1.75	GIS	ALL	ALL	BIT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.44	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N35Y	SU	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N47	SU	4.03	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47D	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N47Y	SU	1.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N51Y	SU	0.51	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N54	SU	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57A	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N67	SU	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N67A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N68Y	SU	1.52	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N70	SU	1.51	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71	SU	1.13	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71A	SU	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N73	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N76Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N76Y	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N77Y	SU	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78Y	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YA	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YB	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02C	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02C	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02D	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02F	SU	0.24	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
05N02H	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N04	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N14D	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N17Y	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N26Y	SU	1.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N29Y	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N29Y	SU	0.18	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N44	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N59	SU	1.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N73Y	SU	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
05N85Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N85YA	SU	0.90	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N93	SU	1.44	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N06A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B1	SU	0.27	MAP	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06C	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06F	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N07Y	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N08Y	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N09Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N12	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N14	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N16A	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
06N19	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
06N19A	SU	0.15	GIS	ALL	ALL	NAT	HLO				HLO	4914	Liberty Hill	
06N24	SU	0.49	GIS	ALL	ALL	AGG	HLO				HLO	4903	Donnell Lake	
06N24A	SU	0.19	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4903	Donnell Lake	
06N30	SU	0.72	GIS	ALL	ALL	NAT	HLO				HLO	4914	Liberty Hill	
06N30A	SU	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4914	Liberty Hill	
06N33Y	SU	0.92	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
06N34Y	SU	2.91	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
06N34YD	SU	0.25	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
06N36Y	SU	0.21	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
06N36Y	SU	0.04	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
06N37Y	SU	0.09	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
06N39Y	SU	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
06N44Y	SU	0.12	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
06N45Y	SU	0.26	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
06N47Y	SU	0.25	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
07N13	SU	0.60	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
07N13A	SU	0.15	GIS	ALL		NAT	HLO				HLO	4901	Dardanelles Cone	
07N30Y	SU	0.23	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
07N30YA	SU	0.09	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
07N30YB	SU	0.09	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
41899Z21	SU	0.08	MAP	ALL	ALL	AC	HLO			HLO	HLO	4732	Pinecrest	
51913A1	SU	0.06	MAP	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
61919A	SU	0.16	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
61932B	SU	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4903	Donnell Lake	
62127C	SU	0.14	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
72032C	SU	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
FR12607	SU	0.19	MAP	ALL	ALL	AC	HLO			HLO	HLO	4741	Strawberry	
FR14823	SU	0.25	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FR14833	SU	0.09	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
06N17A	CAL	0.46	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17A	CAL	0.09	MAP	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17B	CAL	0.65	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17D	CAL	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17J	CAL	0.52	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
06N17P	CAL	0.41	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4911	Tamarack	
06N27	CAL	1.53	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N27	CAL	3.23	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N66YB	CAL	0.82	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N76YA	CAL	0.25	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80Y	CAL	0.78	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80YA	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85	CAL	0.72	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85A	CAL	0.39	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
07N09W	CAL	0.24	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N14C	CAL	0.47	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N16A	CAL	0.20	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N19X	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
07N48A	CAL	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N56YA	CAL	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
01N01C	GR	0.19	GIS	ML1		NAT	t-ALL			t-ALL		4562	Cherry Lake S	
01N01D	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N69	GR	1.14	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01S11C	GR	0.68	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.08	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11D	GR	0.98	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S14K	GR	0.17	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S14L	GR	0.58	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S23C	GR	0.27	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S32A	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4561	Lake Eleanor	
01S45Y	GR	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S54Y	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S60Y	GR	0.51	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S66Y	GR	0.49	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02N64	GR	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4744	Hull Creek	
02S20C	GR	0.37	GIS	ML1		NAT	t-ALL			t-ALL		4381	EI Portal	
02S21Y	GR	0.30	GIS	ALL	ALL	NAT	t-ALL			t-ALL	ML1	4563	Ascension Mt	
02S21Y	GR	1.53	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S23YA	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
02S37YB	GR	0.74	GIS	ML1		NAT	t-ALL			t-ALL		4381	EI Portal	
02S39B	GR	0.85	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
02S64C	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S93C	GR	0.36	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02N07D	MW	0.05	GIS	ML1		NAT	t-ALL			t-ALL		4743	Twain Harte	
03N48Y	MW	0.75	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4744	Hull Creek	
04N09	MW	0.04	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4732	Pinecrest	
01S79	GR	0.12	GIS	ML1	ATV	NAT	t-ATV			t-ATV		4563	Ascension Mt	
03N08Y	MW	0.49	GIS	ML1	ALL	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N60	MW	1.33	GIS	ML1	ATV	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N01Y	MW	1.69	GIS	ALL	MC	NAT	t-MC			t-MC	t-MC	4743	Twain Harte	
03N58	MW	0.29	GIS	ALL	ALL	NAT	t-MC			t-MC	ML1	4743	Twain Harte	
03N71Y	MW	1.30	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
03N71Y	MW	0.28	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
07N09A	CAL	0.86	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09B	CAL	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N09C	CAL	0.62	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09D	CAL	0.16	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09E	CAL	0.29	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09F	CAL	0.13	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09G	CAL	0.12	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09H	CAL	0.54	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09J	CAL	0.26	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N17A	CAL	0.08	GIS	ML1		NAT	t-4WD			t-ALL		4911	Tamarack	
07N18YC	CAL	0.32	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N22	CAL	0.05	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.43	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.01	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	1.03	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87	CAL	1.70	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.14	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.20	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87B	CAL	0.11	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
01N04A	GR	0.44	GIS	ML1		AGG	t-4WD			t-ALL		4562	Cherry Lake S	
01N04C	GR	0.91	GIS	ML1		NAT	t-4WD			t-ALL		4733	Cherry Lake N	
01N07A	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01N10B	GR	0.16	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N32Y	GR	1.03	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N33Y	GR	0.29	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N45	GR	1.73	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N81	GR	0.72	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N91	GR	0.58	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01S01YC	GR	0.13	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S03A	GR	0.63	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S15C	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S20	GR	0.30	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S26A	GR	0.20	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S27	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S30A	GR	0.24	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S39YB	GR	0.38	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S46	GR	0.25	GIS	ML1		NAT	t-4WD			t-4WD		4574	Jawbone Ridge	
01S51A	GR	0.77	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S52Y	GR	0.49	GIS	ML1		NAT	t-4WD			t-4WD		4574	Jawbone Ridge	
01S56Y	GR	0.60	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S57B	GR	1.45	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
01S57Y	GR	0.66	GIS	ML1		NAT	t-4WD				t-4WD		4564	Ackerson Mt	
01S59	GR	0.87	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S61Y	GR	0.26	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S61YA	GR	0.55	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S65Y	GR	0.45	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S86	GR	2.77	GIS	ML1	HLO	NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S86B	GR	0.57	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S97	GR	0.90	GIS	ML1		NAT	t-4WD				t-4WD		4564	Ackerson Mt	
02S43	GR	1.40	GIS	ML1		NAT	t-4WD				t-4WD		4391	Buckhorn Peak	
02S82	GR	0.34	GIS	ML1		NAT	t-4WD				t-ALL		4381	EI Portal	
03N01P	GR	0.61	GIS	ALL	ALL	NAT	t-4WD				HLO		4562	Cherry Lake S	
04N49YA	MW	0.13	GIS	ML1		NAT	t-4WD				t-ALL		4732	Pinecrest	
06N82Y	SU	0.24	GIS	ALL	ALL	NAT	t-4WD				HLO		4904	Dardanelle	
61931B04	SU	0.06	MAP	ALL	ALL	NAT	t-4WD				t-4WD		4903	Donnell Lake	
07N01	CAL	0.09	GIS	HLO	HLO	AC					ALL		4911	Tamarack	
07N75	CAL	1.84	GIS	HLO	HLO	AGG					ALL		4911	Tamarack	
01N14B	GR	0.96	GIS	ML1	ALL	NAT					t-ALL		4562	Cherry Lake S	
01N14E	GR	0.54	GIS	ML1	ALL	NAT					t-ALL		4562	Cherry Lake S	
01N34	GR	1.24	GIS	ML1	ALL	NAT					t-ALL		4562	Cherry Lake S	
01N34A	GR	0.93	GIS	ML1	ALL	NAT					t-ALL		4562	Cherry Lake S	
01N40Y	GR	0.62	GIS	ML1	ALL	NAT					t-ALL		4562	Cherry Lake S	
01N97E	GR	0.64	GIS	ML1	ALL	NAT					t-ALL		4562	Cherry Lake S	
01S05A	GR	0.65	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S26B	GR	0.41	GIS	ML1	ALL	NAT					t-ALL		4563	Ascension Mt	
01S29A	GR	0.24	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
01S35Y	GR	1.00	GIS	ML1		NAT					t-4WD		4573	Groveland	
01S39	GR	0.80	GIS	ML1		NAT					t-ALL		4573	Groveland	
01S42	GR	1.03	GIS	ML1		NAT					t-ALL		4573	Groveland	
01S51B	GR	0.71	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S70	GR	1.10	GIS	ALL	ALL	NAT					ML1		4563	Ascension Mt	
01S70	GR	1.64	GIS	ALL		AGG					ML1		4563	Ascension Mt	
01S79	GR	2.51	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
01S79	GR	0.19	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S81A	GR	0.59	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
02N82	GR	1.33	GIS	ALL	ALL	NAT					t-ALL		4733	Cherry Lake N	
02S05C	GR	0.98	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S07A	GR	0.66	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
02S09A	GR	1.64	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S10Y	GR	0.88	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S11C	GR	1.04	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
02S20Y	GR	2.33	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S22	GR	0.73	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S26	GR	1.48	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S59A	GR	0.50	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
02S59B	GR	1.35	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
02S74	GR	1.37	GIS	ML1		NAT					t-ALL		4381	EI Portal	
02S74A	GR	1.73	GIS	ML1		NAT					t-ALL		4381	EI Portal	
03N01	GR	2.24	GIS	HLO	HLO	AGG					ALL		4733	Cherry Lake N	
03S06	GR	0.66	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
01N01	MW	5.77	GIS	ALL	ALL	NAT					t-ALL		4571	Duckwall Mt	
02N03YB	MW	0.18	GIS	ML1		NAT					t-ALL		4743	Twain Harte	
02N03YB	MW	0.43	GIS	ML1		NAT					t-ALL		4743	Twain Harte	
02N81	MW	2.08	GIS	ALL	ALL	NAT					HLO		4733	Cherry Lake N	
02N81A	MW	0.18	GIS	ALL	ALL	NAT					HLO		4733	Cherry Lake N	
03N01	MW	1.58	GIS	HLO	HLO	AGG					ALL		4733	Cherry Lake N	
03N01H	MW	0.95	GIS	ALL	ALL	AGG					HLO		4733	Cherry Lake N	
03N01J	MW	0.81	GIS	ALL	ALL	AGG					HLO		4733	Cherry Lake N	
03N01L	MW	0.38	GIS	ALL	ALL	NAT					HLO		4733	Cherry Lake N	
03N01M	MW	0.63	GIS	ALL	ALL	NAT					HLO		4733	Cherry Lake N	
03N01W	MW	0.22	GIS	ML1	ALL	NAT					t-ALL		4744	Hull Creek	
03N16	MW	3.32	GIS	ALL	ALL	AGG					HLO		4733	Cherry Lake N	
03N16	MW	1.32	GIS	ALL	ALL	AGG					HLO		4733	Cherry Lake N	
03N17Y	MW	1.30	GIS	ALL	ALL	NAT					HLO		4732	Pinecrest	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N18	MW	2.57	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20Y	MW	2.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N20YB	MW	0.11	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YD	MW	0.84	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YD	MW	0.50	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22	MW	1.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N22A	MW	1.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22Y	MW	0.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N24A	MW	0.09	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
03N25	MW	1.43	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N26YA	MW	0.11	GIS	ALL	ALL	NAT						ML1	4744	Hull Creek	
03N27	MW	2.85	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27	MW	1.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27A	MW	1.03	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27B	MW	0.34	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	2.06	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	0.65	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27Y	MW	1.20	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27YA	MW	0.40	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N28	MW	2.26	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N29A	MW	0.70	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N29C	MW	1.05	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N32Y	MW	2.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N32YA	MW	0.28	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N34Y	MW	0.75	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N40	MW	0.23	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N43A	MW	0.55	GIS	ML1		NAT				t-ALL			4744	Hull Creek	
03N45YA	MW	0.54	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N46Y	MW	0.80	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N75Y	MW	0.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
04N09	MW	0.27	GIS	ML1		NAT				t-ALL			4732	Pinecrest	
04N09	MW	0.76	GIS	ML1		NAT				t-MC			4732	Pinecrest	
04N33	MW	0.42	GIS	HLO	ALL	NAT				ALL			4744	Hull Creek	
04N49Y	MW	1.23	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50Y	MW	2.01	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50Y	MW	1.57	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50YC	MW	1.10	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N72Y	MW	0.93	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
04N72YA	MW	0.25	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
719.69															

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
05N40	CAL	0.15	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
06N11Y	CAL	0.81	GIS	ALL		NAT	ADM			ADM	ADM	4913	Boards Crossing	
06N71Y	CAL	1.35	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	0.37	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	2.52	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
07N57	CAL	0.29	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N58	CAL	1.77	GIS	ALL		NAT	ADM			ADM	ADM	4921	Garnet Hill	
07N60	CAL	0.40	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95	CAL	0.08	GIS	ALL		NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95A	CAL	0.11	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
01N15Y	GR	0.53	GIS	ML1		AGG	ADM			ADM	ADM	4562	Cherry Lake S	
01N86	GR	1.19	GIS	ML1		NAT	ADM			ADM	ADM	4562	Cherry Lake S	
01S23E	GR	0.16	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S28B	GR	0.59	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
05N14	CAL	0.55	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	0.53	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	3.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	1.12	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.02	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.71	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.34	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.60	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	4.62	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
06N58	CAL	0.03	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.79	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.46	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.08	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.36	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.70	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.18	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	1.74	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.90	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.12	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N62	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N01	CAL	0.09	GIS	HLO	HLO	AC				ALL		4911	Tamarack	Combined Use
07N05	CAL	0.53	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.84	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.13	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	2.23	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.48	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.09	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.44	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	0.01	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	0.59	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	2.94	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	0.91	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	0.96	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N49Y	CAL	0.36	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4911	Tamarack	
07N75	CAL	1.84	GIS	HLO	HLO	AGG				ALL		4911	Tamarack	Combined Use
01N01	GR	7.77	GIS	HLO	HLO	AGG	ALL			ALL		4571	Duckwall Mt	Mixed Use
01N01	GR	0.36	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	Mixed Use
01N01	GR	0.03	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	Mixed Use
01N01	GR	0.43	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	Mixed Use
01N37	GR	1.43	GIS	ML1	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
01S03	GR	0.01	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	Combined Use
01S03	GR	0.68	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	Combined Use
01S03	GR	2.33	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	Combined Use
01S03	GR	0.91	GIS	HLO	HLO	AGG	ALL			ALL		4563	Ascension Mt	Combined Use
01S45Y	GR	0.04	GIS	ML1		NAT	ALL			ALL		4574	Jawbone Ridge	
01S73Y	GR	2.12	GIS	ML1	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
02N05	GR	0.83	GIS	HLO	HLO	NAT	ALL			ALL		4733	Cherry Lake N	Mixed Use

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02N14	GR	1.81	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02N14	GR	2.57	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02S02	GR	5.35	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	Mixed Use
02S02	GR	0.10	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S02	GR	2.37	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S07	GR	2.88	GIS	ML1		NAT	ALL			ALL	ALL		4574	Jawbone Ridge	
02S30	GR	1.11	GIS	HLO	HLO	BIT	ALL			ALL			4563	Ascension Mt	Combined Use
02S41	GR	1.60	GIS	ML1		NAT	ALL			ALL			4574	Jawbone Ridge	
02S53	GR	0.97	GIS	ML1	HLO	NAT	HLO			ALL	HLO		4391	Buckhorn Peak	
02S53	GR	0.11	GIS	ML1	HLO	NAT	HLO			ALL	HLO		4391	Buckhorn Peak	
02S68	GR	1.81	GIS	ML1		NAT	ALL			ALL			4563	Ascension Mt	
03N01	GR	0.57	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.86	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.30	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.31	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.60	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Combined Use
03N01	GR	2.24	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	Mixed Use
01N01	MW	0.02	GIS	HLO	HLO	NAT	ALL			ALL			4572	Tuolumne	Mixed Use
01N01	MW	8.47	GIS	HLO	HLO	AC	ALL			ALL			4572	Tuolumne	Mixed Use
02N14	MW	3.50	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.80	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Combined Use
03N01	MW	5.77	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.69	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
03N01	MW	1.58	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	Mixed Use
03N26YB	MW	0.14	GIS	ML1	ALL	NAT	ALL			ALL			4744	Hull Creek	
03N34Y	MW	3.21	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
04N09	MW	0.62	GIS	ML1	ALL	NAT	ALL			ALL			4732	Pinecrest	
04N09	MW	0.30	GIS	HLO	HLO	BIT	ALL			ALL			4744	Hull Creek	Combined Use
04N25	MW	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4732	Pinecrest	Combined Use
04N33	MW	0.42	GIS	HLO	ALL	NAT				ALL			4744	Hull Creek	Mixed Use
05N01	SU	2.54	GIS	HLO	HLO	AGG	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.55	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.47	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	2.61	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
06N64	CAL	0.93	GIS	ALL	ALL	NAT	ML1			ML1	ML1		4924	Dorrington	
06N94	CAL	1.68	GIS	ALL	ALL	NAT	ML1			ML1	ML1		4914	Liberty Hill	
04N20YA	MW	0.20	GIS	ALL	ALL	NAT	ML1			ML1	ML1		4751	Stanislaus	
04N04Y	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4751	Stanislaus	
04N06	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4751	Stanislaus	
04N38	CAL	2.64	GIS	ALL	ALL	AC	HLO			HLO	HLO		4751	Stanislaus	
04N80Y	CAL	1.17	GIS	ALL	ALL	AGG	HLO			HLO	ML1		4751	Stanislaus	
04N80Y	CAL	1.14	GIS	ALL	ALL	AGG	HLO			HLO	ML1		4751	Stanislaus	
04N80Y	CAL	0.16	GIS	ALL	ALL	AGG	HLO			HLO	ML1		4751	Stanislaus	
04N80Y	CAL	0.59	GIS	ALL	ALL	AGG	HLO			HLO	ML1		4751	Stanislaus	
05N02B	CAL	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4913	Boards Crossing	
05N02R	CAL	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4913	Boards Crossing	
05N02R	CAL	1.48	GIS	ALL	ALL	NAT	HLO			HLO	ML1		4913	Boards Crossing	
05N14L	CAL	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4913	Boards Crossing	
05N14M	CAL	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4913	Boards Crossing	
05N35	CAL	1.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4751	Stanislaus	
05N35B	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4751	Stanislaus	
05N51Y	CAL	1.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4751	Stanislaus	
05N51YA	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4751	Stanislaus	
05N53Y	CAL	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4913	Boards Crossing	
05N56	CAL	0.01	GIS	ALL	ALL	AGG	HLO			HLO	HLO		4924	Dorrington	
06N13X	CAL	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4913	Boards Crossing	
06N40	CAL	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4923	Fort Mt	
06N44	CAL	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4923	Fort Mt	
06N60Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4922	Devils Nose	
06N80	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4913	Boards Crossing	
06N81Y	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4912	Calaveras Dome	
06N81Y	CAL	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO		4912	Calaveras Dome	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
06N81Y	CAL	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.26	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81YA	CAL	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N82	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
07N01C	CAL	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01E	CAL	0.36	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01G	CAL	0.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02	CAL	2.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
07N08	CAL	2.57	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	1.94	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	0.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4924	Dorrington	
07N16X	CAL	1.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N18Y	CAL	0.90	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N40Y	CAL	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N55	CAL	1.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55A	CAL	0.59	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N58	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N70	CAL	0.77	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N77	CAL	0.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N82	CAL	0.95	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N82A	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N93	CAL	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N94	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N94A	CAL	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
08N01A	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.23	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N13	CAL	0.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
08N14	CAL	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR10831	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR11116	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR12088	CAL	0.11	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12476	CAL	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12477	CAL	0.37	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR5219	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR7181	CAL	0.16	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR8080	CAL	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
FR8319	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.48	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8322	CAL	0.08	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8323	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8925	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR9330	CAL	0.11	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR9331	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FS83231	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
01N10	GR	5.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10	GR	6.62	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01N10A	GR	0.53	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N14	GR	1.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N14F	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N23	GR	1.98	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N45Y	GR	0.48	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N88	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01S01Y	GR	0.07	GIS	ALL		NAT	HLO			HLO	ML1	4563	Ascension Mt	
01S01YB	GR	0.66	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S05Y	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S06	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06B	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S12	GR	2.25	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4381	EI Portal	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S13	GR	0.70	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4574	Jawbone Ridge	
01S13Y	GR	1.22	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S15Y	GR	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16B	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16Y	GR	1.87	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S17	GR	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17A	GR	0.56	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17D	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S19Y	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S20Y	GR	0.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4561	Lake Eleanor	
01S23Y	GR	0.67	GIS	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01S26	GR	2.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26	GR	2.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26C	GR	0.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26E	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S27Y	GR	0.84	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30	GR	1.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S33	GR	1.72	GIS	ALL	ALL	NAT	ML1			HLO	ML1	4573	Groveland	
01S35Y	GR	1.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S39Y	GR	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YA	GR	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S40Y	GR	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S43	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S51	GR	2.24	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S52	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S53	GR	1.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S55Y	GR	0.17	GIS	ALL	ALL	AC	HLO			HLO	HLO	4573	Groveland	
01S55Y	GR	1.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S57	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S63	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S81	GR	1.90	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S81Y	GR	1.00	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S82	GR	1.39	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S96	GR	1.52	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
01S96A	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02N04	GR	1.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
02N04	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
02S01	GR	0.79	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.07	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.67	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	1.26	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4564	Ackerson Mt	
02S01A	GR	0.92	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01G	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S04Y	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S04YA	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S07Y	GR	1.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S08	GR	3.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S09Y	GR	1.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S11Y	GR	0.76	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S12Y	GR	0.45	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S12YA	GR	0.28	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S13	GR	0.91	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S13	GR	2.75	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S17Y	GR	1.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S18A	GR	0.55	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S18Y	GR	1.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
02S20	GR	1.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S21	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	1.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	3.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S22Y	GR	1.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S23	GR	1.64	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	1.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S24	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S24Y	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S30A	GR	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S30B	GR	0.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S34	GR	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S35	GR	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37	GR	1.60	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S44	GR	1.49	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S45	GR	1.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S47	GR	0.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S50Y	GR	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S52	GR	0.35	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S53A	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56	GR	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56A	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S58	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S83	GR	1.83	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S83B	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S84	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S86	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S97	GR	0.63	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S97	GR	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
03N01C	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
21904B	GR	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
FR7856	GR	0.14	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
FR8445	GR	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
03N41	MW	1.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
03N69A	MW	0.61	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
06N24A	SU	0.19	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4903	Donnell Lake	
41899Z21	SU	0.08	MAP	ALL	ALL	AC	HLO			HLO	HLO	4732	Pinecrest	
61932B	SU	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4903	Donnell Lake	
FR12607	SU	0.19	MAP	ALL	ALL	AC	HLO			HLO	HLO	4741	Strawberry	
FR14823	SU	0.25	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FR14833	SU	0.09	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
06N17A	CAL	0.46	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17A	CAL	0.09	MAP	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17B	CAL	0.65	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17D	CAL	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17J	CAL	0.52	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
06N17P	CAL	0.41	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4911	Tamarack	
06N27	CAL	1.53	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N27	CAL	3.23	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N66YB	CAL	0.82	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N76YA	CAL	0.25	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80Y	CAL	0.78	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80YA	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85	CAL	0.72	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85A	CAL	0.39	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
07N09W	CAL	0.24	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N14C	CAL	0.47	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N16A	CAL	0.20	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N17A	CAL	0.08	GIS	ML1		NAT	t-4WD			t-ALL		4911	Tamarack	
07N19X	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
07N48A	CAL	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
07N56YA	CAL	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
01N01C	GR	0.19	GIS	ML1		NAT	t-ALL			t-ALL		4562	Cherry Lake S	
01N01D	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N04A	GR	0.44	GIS	ML1		AGG	t-4WD			t-ALL		4562	Cherry Lake S	
01N04C	GR	0.91	GIS	ML1		NAT	t-4WD			t-ALL		4733	Cherry Lake N	
01N07A	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01N10B	GR	0.16	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N14B	GR	0.96	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N14E	GR	0.54	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N32Y	GR	1.03	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N33Y	GR	0.29	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N34	GR	1.24	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N34A	GR	0.93	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N40Y	GR	0.62	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N45	GR	1.73	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N69	GR	1.14	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N81	GR	0.72	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N91	GR	0.58	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N97E	GR	0.64	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01S01YC	GR	0.13	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S03A	GR	0.63	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S04	GR	1.28	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S04	GR	0.51	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S05A	GR	0.65	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S11C	GR	0.68	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.08	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11D	GR	0.98	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S14K	GR	0.17	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S14L	GR	0.58	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S15C	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S23C	GR	0.27	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S26A	GR	0.20	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S26B	GR	0.41	GIS	ML1	ALL	NAT				t-ALL		4563	Ascension Mt	
01S27	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S29A	GR	0.24	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
01S30A	GR	0.24	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S32A	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4561	Lake Eleanor	
01S39	GR	0.80	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S39YB	GR	0.38	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S42	GR	1.03	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S45Y	GR	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S51A	GR	0.77	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S51B	GR	0.71	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S54Y	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S56Y	GR	0.60	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S57B	GR	1.45	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S59	GR	0.87	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S60Y	GR	0.51	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S66Y	GR	0.49	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S79	GR	2.51	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
01S79	GR	0.19	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S81A	GR	0.59	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S86	GR	2.77	GIS	ML1	HLO	NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S86B	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
02N64	GR	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4744	Hull Creek	
02N82	GR	1.33	GIS	ALL	ALL	NAT				t-ALL		4733	Cherry Lake N	
02S05C	GR	0.98	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S07A	GR	0.66	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
02S09A	GR	1.64	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S10Y	GR	0.88	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02S11C	GR	1.04	GIS	ML1		NAT				t-ALL			4391	Buckhorn Peak	
02S20C	GR	0.37	GIS	ML1		NAT	t-ALL			t-ALL			4381	El Portal	
02S20Y	GR	2.33	GIS	ML1		NAT				t-ALL			4574	Jawbone Ridge	
02S21Y	GR	0.30	GIS	ALL	ALL	NAT	t-ALL			t-ALL	ML1		4563	Ascension Mt	
02S21Y	GR	1.53	GIS	ML1		NAT	t-ALL			t-ALL			4563	Ascension Mt	
02S22	GR	0.73	GIS	ML1		NAT				t-ALL			4382	Kinsley	
02S23YA	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL			4564	Ackerson Mt	
02S26	GR	1.48	GIS	ML1		NAT				t-ALL			4382	Kinsley	
02S37YB	GR	0.74	GIS	ML1		NAT	t-ALL			t-ALL			4381	El Portal	
02S39B	GR	0.85	GIS	ML1		NAT	t-ALL			t-ALL			4574	Jawbone Ridge	
02S59A	GR	0.50	GIS	ML1		NAT				t-ALL			4391	Buckhorn Peak	
02S59B	GR	1.35	GIS	ML1		NAT				t-ALL			4391	Buckhorn Peak	
02S64C	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL			4563	Ascension Mt	
02S74	GR	1.37	GIS	ML1		NAT				t-ALL			4381	El Portal	
02S74A	GR	1.73	GIS	ML1		NAT				t-ALL			4381	El Portal	
02S82	GR	0.34	GIS	ML1		NAT	t-4WD			t-ALL			4381	El Portal	
02S93C	GR	0.36	GIS	ML1		NAT	t-ALL			t-ALL			4563	Ascension Mt	
03S06	GR	0.66	GIS	ML1		NAT				t-ALL			4391	Buckhorn Peak	
02N03YB	MW	0.18	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
02N03YB	MW	0.43	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
02N07D	MW	0.05	GIS	ML1		NAT	t-ALL			t-ALL			4743	Twain Harte	
03N01W	MW	0.22	GIS	ML1	ALL	NAT				t-ALL			4744	Hull Creek	
03N24A	MW	0.09	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
03N43A	MW	0.55	GIS	ML1		NAT				t-ALL			4744	Hull Creek	
03N48Y	MW	0.75	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL		4744	Hull Creek	
04N09	MW	0.04	GIS	ML1	ALL	NAT	t-ALL			t-ALL			4732	Pinecrest	
04N09	MW	0.27	GIS	ML1		NAT				t-ALL			4732	Pinecrest	
04N17D	MW	0.59	GIS	ALL	ALL	NAT	ML1			t-ALL	ML1		4742	Crandall Peak	
04N49YA	MW	0.13	GIS	ML1		NAT	t-4WD			t-ALL			4732	Pinecrest	
01S79	GR	0.12	GIS	ML1	ATV	NAT	t-ATV			t-ATV			4563	Ascension Mt	
03N08Y	MW	0.49	GIS	ML1	ALL	NAT	t-ATV			t-ATV	t-ATV		4744	Hull Creek	
03N26YB	MW	0.15	GIS	ML1	ALL	NAT	ALL			t-ATV			4744	Hull Creek	
03N60	MW	1.33	GIS	ML1	ATV	NAT	t-ATV			t-ATV	t-ATV		4744	Hull Creek	
03N01Y	MW	1.69	GIS	ALL	MC	NAT	t-MC			t-MC	t-MC		4743	Twain Harte	
03N58	MW	0.29	GIS	ALL	ALL	NAT	t-MC			t-MC	ML1		4743	Twain Harte	
03N71Y	MW	1.30	GIS	ML1	MC	NAT	t-MC			t-MC			4742	Crandall Peak	
03N71Y	MW	0.28	GIS	ML1	MC	NAT	t-MC			t-MC			4742	Crandall Peak	
04N09	MW	0.76	GIS	ML1		NAT				t-MC			4732	Pinecrest	
07N09A	CAL	0.86	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N09B	CAL	0.45	GIS	ML1		NAT	t-4WD			t-4WD			4912	Calaveras Dome	
07N09C	CAL	0.62	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N09D	CAL	0.16	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N09E	CAL	0.29	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N09F	CAL	0.13	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N09G	CAL	0.12	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N09H	CAL	0.54	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N09J	CAL	0.26	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N18YC	CAL	0.32	GIS	ML1		NAT	t-4WD			t-4WD			4912	Calaveras Dome	
07N22	CAL	0.05	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N22	CAL	0.43	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N22	CAL	0.01	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N22	CAL	1.03	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N87	CAL	1.70	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N87A	CAL	0.14	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N87A	CAL	0.20	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
07N87B	CAL	0.11	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD		4912	Calaveras Dome	
01S01	GR	2.95	GIS	ML1		NAT	ADM			t-4WD	ADM		4574	Jawbone Ridge	
01S20	GR	0.30	GIS	ML1		NAT	t-4WD			t-4WD			4563	Ascension Mt	
01S35Y	GR	1.00	GIS	ML1		NAT				t-4WD			4573	Groveland	
01S46	GR	0.25	GIS	ML1		NAT	t-4WD			t-4WD			4574	Jawbone Ridge	
01S52Y	GR	0.49	GIS	ML1		NAT	t-4WD			t-4WD			4574	Jawbone Ridge	
01S57Y	GR	0.66	GIS	ML1		NAT	t-4WD			t-4WD			4564	Ackerson Mt	
01S61Y	GR	0.26	GIS	ML1		NAT	t-4WD			t-4WD			4563	Ascension Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S61YA	GR	0.55	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S65Y	GR	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S97	GR	0.90	GIS	ML1		NAT	t-4WD			t-4WD		4564	Ackerson Mt	
02S43	GR	1.40	GIS	ML1		NAT	t-4WD			t-4WD		4391	Buckhorn Peak	
06N29Y	CAL	0.98	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.79	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.24	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17B	CAL	0.57	GIS	ALL	ALL	AGG	ADM				ADM	4911	Tamarack	
07N29Y	CAL	3.96	GIS	ALL	ALL	AGG	HLO				HLO	4911	Tamarack	
07N38	CAL	0.75	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N55Y	CAL	0.40	GIS	ALL	ALL	NAT	HLO				HLO	4902	Spicer Mdw Res	
07N75C	CAL	0.49	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
01N04	GR	5.14	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	1.07	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N09	GR	6.62	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01N14	GR	2.72	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14A	GR	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N15	GR	1.09	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
01N40Y	GR	1.91	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N60	GR	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N60A	GR	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.74	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.97	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.67	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N97	GR	5.01	GIS	ALL	ALL	AGG	HLO				ML1	4562	Cherry Lake S	
01S01Y	GR	0.59	GIS	ALL		NAT	ML1				ML1	4563	Ascension Mt	
01S01YA	GR	0.17	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S11Y	GR	1.44	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15Y	GR	3.14	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S15YA	GR	1.36	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15YB	GR	0.18	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S16A	GR	0.27	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S30B	GR	0.55	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S35YA	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
01S36Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
01S50	GR	0.43	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S58	GR	3.00	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S62	GR	1.42	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S63Y	GR	2.26	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S63YA	GR	0.10	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S70	GR	1.10	GIS	ALL	ALL	NAT					ML1	4563	Ascension Mt	
01S70	GR	1.64	GIS	ALL		AGG					ML1	4563	Ascension Mt	
01S70A	GR	0.34	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
02N87	GR	0.13	GIS	ALL	ALL	NAT	ADM				ADM	4562	Cherry Lake S	
02S01	GR	7.71	GIS	ALL		NAT	HLO				HLO	4563	Ascension Mt	
02S01C	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4563	Ascension Mt	
02S04	GR	1.47	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
02S57	GR	0.29	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S57	GR	0.67	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S65D	GR	0.22	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
03N01P	GR	0.44	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
03N01P	GR	0.61	GIS	ALL	ALL	NAT	t-4WD				HLO	4562	Cherry Lake S	
03N01Q	GR	0.20	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
FR4898	GR	0.09	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR4898	GR	0.22	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR8602	GR	0.23	MAP	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01N01	MW	5.77	GIS	ALL	ALL	NAT					t-ALL	4571	Duckwall Mt	
01N01J	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N03	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N16	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N33	MW	0.73	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
01N58A	MW	0.40	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02N03Y	MW	0.79	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.04	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.29	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03YA	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N07	MW	0.92	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N08	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N08	MW	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N08	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N08A	MW	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N09	MW	0.14	GIS	ALL	ALL	NAT	ADM					ADM	4572	Tuolumne	
02N09	MW	1.13	GIS	ALL	ALL	NAT	ADM					ADM	4572	Tuolumne	
02N09A	MW	0.36	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N09D	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N09D	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N10	MW	1.17	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
02N10	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	1.77	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N13Y	MW	0.26	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N13Y	MW	0.85	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N26	MW	0.47	GIS	ALL	ALL	AC	HLO					HLO	4743	Twain Harte	
02N26	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N26	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N32Y	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N34	MW	2.63	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
02N34A	MW	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34B	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34C	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39A	MW	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.65	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	1.60	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4571	Duckwall Mt	
02N58	MW	0.80	GIS	ALL	ALL	NAT	ML1					ML1	4744	Hull Creek	
02N63A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N63B	MW	0.15	MAO	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75	MW	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75A	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N81	MW	2.08	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N81A	MW	0.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N88	MW	1.35	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N88A	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N93	MW	1.02	GIS	ALL	ALL	NAT	ML1					ML1	4743	Twain Harte	
03N01D	MW	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N01H	MW	0.95	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01J	MW	0.81	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01L	MW	0.38	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01M	MW	0.63	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01U	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N02	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	3.43	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03B	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03C	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N04	MW	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N06Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N06Y	MW	0.89	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N07	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N10Y	MW	0.57	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N10YA	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	5.13	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.61	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11A	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11B	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11C	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11D	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12	MW	3.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12A	MW	1.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12B	MW	1.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N14	MW	0.89	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.34	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.13	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N15	MW	3.56	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N16	MW	3.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N16	MW	1.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N17Y	MW	1.30	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N18	MW	2.57	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20Y	MW	2.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N20YB	MW	0.11	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YC	MW	0.81	GIS	ALL	ALL	NAT	HLO					HLO	4733	Cherry Lake N	
03N20YD	MW	0.84	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YD	MW	0.50	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22	MW	1.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N22A	MW	1.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22Y	MW	0.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N24	MW	4.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N24D	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N25	MW	1.43	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N26YA	MW	0.11	GIS	ALL	ALL	NAT					ML1	4744	Hull Creek		
03N27	MW	2.85	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27	MW	1.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27A	MW	1.03	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27B	MW	0.34	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	2.06	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	0.65	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27Y	MW	1.20	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27YA	MW	0.40	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N28	MW	2.26	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N29A	MW	0.70	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N29C	MW	1.05	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N30	MW	1.75	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N32Y	MW	2.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N32YA	MW	0.28	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N34	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N34A	MW	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N34Y	MW	0.75	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N38	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N39	MW	3.16	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N40	MW	0.23	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N44	MW	1.62	GIS	ALL	ALL	NAT	HLO					HLO	4753	Columbia	
03N45	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N45YA	MW	0.54	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N46	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46Y	MW	0.80	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N48	MW	2.30	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
03N48	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48A	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48B	MW	0.80	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N50	MW	0.91	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N50	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N53	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N59	MW	0.52	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N59A	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N68	MW	1.71	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N68Y	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N69	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	0.82	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	3.83	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N69Y	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N69Y	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N70A	MW	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.64	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N72	MW	1.43	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N73	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N73B	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N75Y	MW	0.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N77	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N84	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N87	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N87	MW	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N89	MW	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N90	MW	3.77	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N91	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N92	MW	0.88	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N92	MW	0.30	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N95	MW	1.12	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N95A	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N99	MW	1.50	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.15	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N01	MW	2.26	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N01	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	2.32	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	0.41	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01	MW	0.52	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N01A	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01B	MW	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N01C	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01Y	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N02	MW	0.54	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
04N02	MW	1.07	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.17	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N04	MW	2.29	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N04	MW	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04A	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04C	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	1.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05B	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N11	MW	4.94	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N15Y	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16Y	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16YA	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N17	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17E	MW	0.32	GIS	ALL	ALL	NAT	ML1					ML1	4742	Crandall Peak	
04N17F	MW	0.63	GIS	ALL	ALL	NAT	ML1					ML1	4742	Crandall Peak	
04N18	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N20Y	MW	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N32	MW	2.00	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N32A	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32C	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N35Y	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N49Y	MW	0.16	GIS	ALL	ALL	NAT	ML1					ML1	4732	Pinecrest	
04N49Y	MW	1.23	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50Y	MW	2.01	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50Y	MW	1.57	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50YC	MW	1.10	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N61A	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N69	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N72Y	MW	0.93	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
04N72YA	MW	0.25	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
04N74	MW	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N75	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N78	MW	2.86	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N90	MW	4.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N98	MW	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N02Y	SU	1.86	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N06YA	SU	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10	SU	2.43	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10A	SU	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N10B	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N11	SU	2.38	GIS	ALL	ALL	AGG	HLO					HLO	4732	Pinecrest	
04N12Q	SU	0.17	MAP	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	SU	0.34	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N13	SU	2.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N24	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N25A	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26B	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26C	SU	0.35	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N27Y	SU	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N31	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.79	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31A	SU	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32	SU	0.60	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N33	SU	1.75	GIS	ALL	ALL	BIT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.44	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N35Y	SU	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N47	SU	4.03	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47D	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47Y	SU	1.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N51Y	SU	0.51	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N54	SU	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57A	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N67	SU	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N67A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N68Y	SU	1.52	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N70	SU	1.51	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71	SU	1.13	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71A	SU	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N73	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N76Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N76Y	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N77Y	SU	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78Y	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YA	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YB	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02C	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02C	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02D	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02F	SU	0.24	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
05N02H	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N04	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N14D	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N17Y	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N26Y	SU	1.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N29Y	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N29Y	SU	0.18	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N44	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N59	SU	1.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N73Y	SU	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
05N85Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N85YA	SU	0.90	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N93	SU	1.44	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N06A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
06N06B	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B1	SU	0.27	MAP	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06C	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06F	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N07Y	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N08Y	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N09Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N12	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N14	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N16A	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
06N19	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N19A	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N24	SU	0.13	GIS	ALL	ALL	AGG	ADM					ADM	4903	Donnell Lake	
06N24	SU	0.32	GIS	ALL	ALL	AGG	ML1					ML1	4903	Donnell Lake	
06N24	SU	0.49	GIS	ALL	ALL	AGG	HLO					HLO	4903	Donnell Lake	
06N30	SU	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N30A	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N33Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34Y	SU	2.91	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34YD	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N36Y	SU	1.12	GIS	ALL	ALL	NAT	ADM					ADM	4904	Dardanelle	
06N36Y	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N36Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N37Y	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N39Y	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N44Y	SU	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N45Y	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N47Y	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N82Y	SU	0.24	GIS	ALL	ALL	NAT	t-4WD					HLO	4904	Dardanelle	
07N13	SU	0.60	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N13A	SU	0.15	GIS	ALL		NAT	HLO					HLO	4901	Dardanelles Cone	
07N30Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YA	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YB	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
51913A1	SU	0.06	MAP	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
61919A	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
61931B04	SU	0.06	MAP	ALL	ALL	NAT	t-4WD					t-4WD	4903	Donnell Lake	
62127C	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
72032C	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
05N40	CAL	0.15	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
06N11Y	CAL	0.81	GIS	ALL		NAT	ADM			ADM	ADM	4913	Boards Crossing	
06N71Y	CAL	1.35	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	0.37	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	2.52	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
07N17B	CAL	0.57	GIS	ALL	ALL	AGG	ADM				ADM	4911	Tamarack	
07N57	CAL	0.29	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N58	CAL	1.77	GIS	ALL		NAT	ADM			ADM	ADM	4921	Garnet Hill	
07N60	CAL	0.40	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95	CAL	0.08	GIS	ALL		NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95A	CAL	0.11	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
01N09	GR	6.62	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01N15Y	GR	0.53	GIS	ML1		AGG	ADM			ADM	ADM	4562	Cherry Lake S	
01N86	GR	1.19	GIS	ML1		NAT	ADM			ADM	ADM	4562	Cherry Lake S	
01S01	GR	2.95	GIS	ML1		NAT	ADM			t-4WD	ADM	4574	Jawbone Ridge	
01S15Y	GR	3.14	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S15YB	GR	0.18	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S16A	GR	0.27	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S23E	GR	0.16	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S28B	GR	0.59	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S50	GR	0.43	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S58	GR	3.00	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S63Y	GR	2.26	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S63YA	GR	0.10	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
02N87	GR	0.13	GIS	ALL	ALL	NAT	ADM				ADM	4562	Cherry Lake S	
02S04	GR	1.47	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
02S57	GR	0.29	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S57	GR	0.67	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
FR4898	GR	0.09	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR4898	GR	0.22	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR8602	GR	0.23	MAP	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
02N09	MW	0.14	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
02N09	MW	1.13	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
06N24	SU	0.13	GIS	ALL	ALL	AGG	ADM				ADM	4903	Donnell Lake	
06N36Y	SU	1.12	GIS	ALL	ALL	NAT	ADM				ADM	4904	Dardanelle	
02S07	GR	2.88	GIS	ML1		NAT	ALL			ALL	ALL	4574	Jawbone Ridge	
04N80Y	CAL	1.17	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	1.14	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.16	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.59	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
05N02R	CAL	1.48	GIS	ALL	ALL	NAT	HLO			HLO	ML1	4913	Boards Crossing	
06N64	CAL	0.93	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4924	Dorrington	
06N94	CAL	1.68	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4914	Liberty Hill	
01N15	GR	1.09	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
01N97	GR	5.01	GIS	ALL	ALL	AGG	HLO				ML1	4562	Cherry Lake S	
01S01Y	GR	0.07	GIS	ALL		NAT	HLO			HLO	ML1	4563	Ascension Mt	
01S01Y	GR	0.59	GIS	ALL		NAT	ML1				ML1	4563	Ascension Mt	
01S01YA	GR	0.17	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S11Y	GR	1.44	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15YA	GR	1.36	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S30B	GR	0.55	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S33	GR	1.72	GIS	ALL	ALL	NAT	ML1			HLO	ML1	4573	Groveland	
01S62	GR	1.42	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S70	GR	1.10	GIS	ALL	ALL	NAT					ML1	4563	Ascension Mt	
01S70	GR	1.64	GIS	ALL		AGG					ML1	4563	Ascension Mt	
01S70A	GR	0.34	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
02S21Y	GR	0.30	GIS	ALL	ALL	NAT	t-ALL			t-ALL	ML1	4563	Ascension Mt	
02S65D	GR	0.22	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01N58A	MW	0.40	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
02N58	MW	0.80	GIS	ALL	ALL	NAT	ML1				ML1	4744	Hull Creek	
02N93	MW	1.02	GIS	ALL	ALL	NAT	ML1				ML1	4743	Twain Harte	
03N26YA	MW	0.11	GIS	ALL	ALL	NAT					ML1	4744	Hull Creek	
03N58	MW	0.29	GIS	ALL	ALL	NAT	t-MC			t-MC	ML1	4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
04N17D	MW	0.59	GIS	ALL	ALL	NAT	ML1			t-ALL	ML1	4742	Crandall Peak	
04N17E	MW	0.32	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N17F	MW	0.63	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N20YA	MW	0.20	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4751	Stanislaus	
04N49Y	MW	0.16	GIS	ALL	ALL	NAT	ML1				ML1	4732	Pinecrest	
06N24	SU	0.32	GIS	ALL	ALL	AGG	ML1				ML1	4903	Donnell Lake	
04N04Y	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N06	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N38	CAL	2.64	GIS	ALL	ALL	AC	HLO			HLO	HLO	4751	Stanislaus	
05N02B	CAL	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14L	CAL	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14M	CAL	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N35	CAL	1.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N35B	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51Y	CAL	1.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51YA	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N53Y	CAL	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N56	CAL	0.01	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4924	Dorrington	
06N13X	CAL	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N29Y	CAL	0.98	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
06N40	CAL	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N44	CAL	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N60Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
06N80	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N81Y	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.26	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81YA	CAL	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N82	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
07N01C	CAL	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01E	CAL	0.36	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01G	CAL	0.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02	CAL	2.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
07N08	CAL	2.57	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	1.94	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	0.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4924	Dorrington	
07N16X	CAL	1.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N17	CAL	2.79	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.24	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N18Y	CAL	0.90	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N29Y	CAL	3.96	GIS	ALL	ALL	AGG	HLO				HLO	4911	Tamarack	
07N38	CAL	0.75	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N40Y	CAL	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N49Y	CAL	0.36	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4911	Tamarack	
07N55	CAL	1.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55A	CAL	0.59	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55Y	CAL	0.40	GIS	ALL	ALL	NAT	HLO				HLO	4902	Spicer Mdw Res	
07N58	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N70	CAL	0.77	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N75C	CAL	0.49	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N77	CAL	0.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N82	CAL	0.95	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N82A	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N93	CAL	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N94	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N94A	CAL	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
08N01A	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.23	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N13	CAL	0.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
08N14	CAL	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR10831	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR11116	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR12088	CAL	0.11	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12476	CAL	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12477	CAL	0.37	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR5219	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR7181	CAL	0.16	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR8080	CAL	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
FR8319	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.48	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8322	CAL	0.08	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8323	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8925	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR9330	CAL	0.11	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR9331	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FS83231	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
01N04	GR	5.14	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	1.07	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N10	GR	5.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10	GR	6.62	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01N10A	GR	0.53	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N14	GR	1.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N14	GR	2.72	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14A	GR	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14F	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N23	GR	1.98	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N40Y	GR	1.91	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N45Y	GR	0.48	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N60	GR	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N60A	GR	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.74	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.97	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.67	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N88	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01S01YB	GR	0.66	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S05Y	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S06	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06B	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S12	GR	2.25	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4381	El Portal	
01S13	GR	0.70	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4574	Jawbone Ridge	
01S13Y	GR	1.22	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S15Y	GR	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16B	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16Y	GR	1.87	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S17	GR	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17A	GR	0.56	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17D	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S19Y	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S20Y	GR	0.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4561	Lake Eleanor	
01S23Y	GR	0.67	GIS	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01S26	GR	2.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26	GR	2.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26C	GR	0.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26E	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S27Y	GR	0.84	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S30	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30	GR	1.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S35Y	GR	1.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S35YA	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
01S36Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
01S39Y	GR	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YA	GR	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S40Y	GR	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S43	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S51	GR	2.24	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S52	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S53	GR	1.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S55Y	GR	0.17	GIS	ALL	ALL	AC	HLO			HLO	HLO	4573	Groveland	
01S55Y	GR	1.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S57	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S63	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S81	GR	1.90	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S81Y	GR	1.00	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S82	GR	1.39	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S96	GR	1.52	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
01S96A	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02N04	GR	1.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
02N04	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
02S01	GR	0.79	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.07	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.67	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	1.26	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	7.71	GIS	ALL		NAT	HLO				HLO	4563	Ascension Mt	
02S01A	GR	0.92	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01C	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4563	Ascension Mt	
02S01G	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S04Y	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S04YA	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S07Y	GR	1.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S08	GR	3.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S09Y	GR	1.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S11Y	GR	0.76	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S13	GR	0.91	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S13	GR	2.75	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S17Y	GR	1.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S18A	GR	0.55	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S18Y	GR	1.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S20	GR	1.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S21	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	1.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	3.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S22Y	GR	1.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S23	GR	1.64	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	1.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S24	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S24Y	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S30A	GR	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S30B	GR	0.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S34	GR	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S35	GR	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37	GR	1.60	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S44	GR	1.49	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S45	GR	1.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
02S47	GR	0.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S50Y	GR	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S52	GR	0.35	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S53	GR	0.97	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
02S53	GR	0.11	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
02S53A	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56	GR	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56A	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S58	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S83	GR	1.83	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S83B	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S84	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S86	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S97	GR	0.63	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S97	GR	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
03N01C	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
03N01P	GR	0.44	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
03N01P	GR	0.61	GIS	ALL	ALL	NAT	t-4WD				HLO	4562	Cherry Lake S	
03N01Q	GR	0.20	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
21904B	GR	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
FR7856	GR	0.14	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
FR8445	GR	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01N01J	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N03	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N16	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N33	MW	0.73	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N03Y	MW	0.79	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.04	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.29	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.16	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.58	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03YA	MW	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N07	MW	0.92	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N08	MW	0.42	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.43	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.30	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08A	MW	0.29	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N09A	MW	0.36	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.11	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N10	MW	1.17	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N10	MW	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	1.77	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.86	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N13Y	MW	0.26	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N13Y	MW	0.85	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N26	MW	0.47	GIS	ALL	ALL	AC	HLO				HLO	4743	Twain Harte	
02N26	MW	0.21	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N26	MW	0.59	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N32Y	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N34	MW	2.63	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N34A	MW	0.84	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N34B	MW	0.56	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N34C	MW	0.47	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02N39	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39A	MW	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.65	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	1.60	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4571	Duckwall Mt	
02N63A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N63B	MW	0.15	MAO	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75	MW	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75A	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N81	MW	2.08	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N81A	MW	0.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N88	MW	1.35	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N88A	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N01D	MW	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N01H	MW	0.95	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01J	MW	0.81	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01L	MW	0.38	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01M	MW	0.63	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01U	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N02	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	3.43	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03B	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03C	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N04	MW	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N06Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N06Y	MW	0.89	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N07	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N10Y	MW	0.57	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N10YA	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	5.13	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.61	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11A	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11B	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11C	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11D	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12	MW	3.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12A	MW	1.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12B	MW	1.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N14	MW	0.89	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.34	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.13	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N15	MW	3.56	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N16	MW	3.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N16	MW	1.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N17Y	MW	1.30	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N18	MW	2.57	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20Y	MW	2.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N20YB	MW	0.11	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YC	MW	0.81	GIS	ALL	ALL	NAT	HLO					HLO	4733	Cherry Lake N	
03N20YD	MW	0.84	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YD	MW	0.50	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22	MW	1.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N22A	MW	1.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22Y	MW	0.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N24	MW	4.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N24D	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N25	MW	1.43	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27	MW	2.85	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27	MW	1.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27A	MW	1.03	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27B	MW	0.34	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	2.06	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	0.65	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27Y	MW	1.20	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27YA	MW	0.40	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N28	MW	2.26	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N29A	MW	0.70	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N29C	MW	1.05	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N30	MW	1.75	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N32Y	MW	2.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N32YA	MW	0.28	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N34	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N34A	MW	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N34Y	MW	0.75	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N38	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N39	MW	3.16	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N40	MW	0.23	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N41	MW	1.68	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4744	Hull Creek	
03N44	MW	1.62	GIS	ALL	ALL	NAT	HLO					HLO	4753	Columbia	
03N45	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N45YA	MW	0.54	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N46	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46Y	MW	0.80	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N48	MW	2.30	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
03N48	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48A	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48B	MW	0.80	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N50	MW	0.91	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N50	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N53	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N59	MW	0.52	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N59A	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N68	MW	1.71	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N68Y	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N69	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	0.82	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	3.83	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N69A	MW	0.61	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4743	Twain Harte	
03N69Y	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N69Y	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N70A	MW	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.64	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N72	MW	1.43	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N73	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N73B	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
03N75Y	MW	0.32	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N77	MW	0.56	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N84	MW	0.47	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N87	MW	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N87	MW	2.04	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
03N89	MW	0.72	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N90	MW	3.77	GIS	ALL	ALL	AGG	HLO				HLO	4744	Hull Creek	
03N91	MW	0.17	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N91	MW	0.12	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N91	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N91	MW	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N92	MW	0.88	GIS	ALL	ALL	AGG	HLO				HLO	4744	Hull Creek	
03N92	MW	0.30	GIS	ALL	ALL	AGG	HLO				HLO	4744	Hull Creek	
03N95	MW	1.12	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N95A	MW	0.56	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N99	MW	1.50	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N99	MW	0.15	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
03N99	MW	0.87	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N01	MW	2.26	GIS	ALL	ALL	AGG	HLO				HLO	4741	Strawberry	
04N01	MW	0.38	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N01	MW	2.32	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N01	MW	0.41	GIS	ALL	ALL	AGG	HLO				HLO	4751	Stanislaus	
04N01	MW	0.52	GIS	ALL	ALL	AGG	HLO				HLO	4751	Stanislaus	
04N01A	MW	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N01B	MW	0.58	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N01C	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N01Y	MW	0.59	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N02	MW	0.54	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
04N02	MW	1.07	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N02	MW	0.16	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N02	MW	0.17	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
04N04	MW	2.29	GIS	ALL	ALL	AGG	HLO				HLO	4751	Stanislaus	
04N04	MW	0.25	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N04	MW	0.38	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N04A	MW	0.77	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N04C	MW	1.10	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N05	MW	0.48	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N05	MW	1.25	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N05B	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N11	MW	4.94	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N13	MW	1.02	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N15Y	MW	0.48	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N16Y	MW	0.62	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N16YA	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N17	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N17	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N18	MW	0.69	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N18	MW	0.92	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N20Y	MW	1.17	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N32	MW	2.00	GIS	ALL	ALL	AC	HLO				HLO	4741	Strawberry	
04N32A	MW	0.88	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N32C	MW	0.42	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N35Y	MW	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N49Y	MW	1.23	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50Y	MW	2.01	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50Y	MW	1.57	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50YC	MW	1.10	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N61A	MW	0.69	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N69	MW	1.63	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N72Y	MW	0.93	GIS	ALL	ALL	NAT					HLO	4741	Strawberry	
04N72YA	MW	0.25	GIS	ALL	ALL	NAT					HLO	4741	Strawberry	
04N74	MW	0.26	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N75	MW	1.80	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N78	MW	2.86	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N90	MW	4.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N98	MW	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N02Y	SU	1.86	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N06YA	SU	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10	SU	2.43	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10A	SU	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N10B	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N11	SU	2.38	GIS	ALL	ALL	AGG	HLO					HLO	4732	Pinecrest	
04N12Q	SU	0.17	MAP	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	SU	0.34	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N13	SU	2.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N24	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N25A	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26B	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26C	SU	0.35	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N27Y	SU	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.79	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31A	SU	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32	SU	0.60	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N33	SU	1.75	GIS	ALL	ALL	BIT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.44	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N35Y	SU	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N47	SU	4.03	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47D	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47Y	SU	1.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N51Y	SU	0.51	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N54	SU	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57A	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N67	SU	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N67A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N68Y	SU	1.52	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N70	SU	1.51	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71	SU	1.13	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71A	SU	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N73	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N76Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N76Y	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N77Y	SU	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78Y	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YA	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YB	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02C	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02C	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02D	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02F	SU	0.24	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
05N02H	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
05N02L	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N04	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N14D	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N17Y	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N26Y	SU	1.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N29Y	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N29Y	SU	0.18	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N44	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N59	SU	1.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N73Y	SU	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
05N85Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N85YA	SU	0.90	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N93	SU	1.44	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N06A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B1	SU	0.27	MAP	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06C	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06F	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N07Y	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N08Y	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N09Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N12	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N14	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N16A	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
06N19	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N19A	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N24	SU	0.49	GIS	ALL	ALL	AGG	HLO					HLO	4903	Donnell Lake	
06N24A	SU	0.19	GIS	ALL	ALL	AGG	HLO			HLO		HLO	4903	Donnell Lake	
06N30	SU	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N30A	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N33Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34Y	SU	2.91	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34YD	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N36Y	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N36Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N37Y	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N39Y	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N44Y	SU	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N45Y	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N47Y	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N82Y	SU	0.24	GIS	ALL	ALL	NAT	t-4WD					HLO	4904	Dardanelle	
07N13	SU	0.60	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N13A	SU	0.15	GIS	ALL		NAT	HLO					HLO	4901	Dardanelles Cone	
07N30Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YA	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YB	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
41899Z21	SU	0.08	MAP	ALL	ALL	AC	HLO			HLO		HLO	4732	Pinecrest	
51913A1	SU	0.06	MAP	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
61919A	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
61932B	SU	0.05	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4903	Donnell Lake	
62127C	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
72032C	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
FR12607	SU	0.19	MAP	ALL	ALL	AC	HLO			HLO		HLO	4741	Strawberry	
FR14823	SU	0.25	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4901	Dardanelles Cone	
FR14833	SU	0.09	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4901	Dardanelles Cone	
06N27	CAL	1.53	GIS	ML1	ALL	NAT	t-ALL			t-ALL		t-ALL	4914	Liberty Hill	
06N27	CAL	3.23	GIS	ML1	ALL	NAT	t-ALL			t-ALL		t-ALL	4914	Liberty Hill	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01N01	MW	5.77	GIS	ALL	ALL	NAT					t-ALL	4571	Duckwall Mt	
03N48Y	MW	0.75	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4744	Hull Creek	
03N08Y	MW	0.49	GIS	ML1	ALL	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N60	MW	1.33	GIS	ML1	ATV	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N01Y	MW	1.69	GIS	ALL	MC	NAT	t-MC			t-MC	t-MC	4743	Twain Harte	
07N09A	CAL	0.86	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09C	CAL	0.62	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09D	CAL	0.16	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09E	CAL	0.29	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09F	CAL	0.13	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09G	CAL	0.12	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09H	CAL	0.54	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09J	CAL	0.26	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.05	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.43	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.01	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	1.03	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87	CAL	1.70	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.14	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.20	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87B	CAL	0.11	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
61931B04	SU	0.06	MAP	ALL	ALL	NAT	t-4WD			t-4WD		4903	Donnell Lake	
05N14	CAL	0.55	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	
05N14	CAL	0.53	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	
05N14	CAL	3.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
05N14	CAL	1.12	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	
05N14	CAL	0.02	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	
05N14	CAL	0.71	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	
05N14	CAL	0.34	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	
05N14	CAL	0.60	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	
05N14	CAL	4.62	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	
06N17A	CAL	0.46	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17A	CAL	0.09	MAP	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17B	CAL	0.65	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17D	CAL	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17J	CAL	0.52	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
06N17P	CAL	0.41	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4911	Tamarack	
06N58	CAL	0.03	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N58	CAL	0.79	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N58	CAL	0.46	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N58	CAL	0.08	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N58	CAL	0.36	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N58	CAL	0.70	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	
06N58	CAL	0.18	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	
06N58	CAL	1.74	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	
06N58	CAL	0.90	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N58	CAL	0.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N58	CAL	0.12	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	
06N62	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
06N66YB	CAL	0.82	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N76YA	CAL	0.25	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80Y	CAL	0.78	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80YA	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85	CAL	0.72	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85A	CAL	0.39	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
07N01	CAL	0.09	GIS	HLO	HLO	AC				ALL		4911	Tamarack	
07N05	CAL	0.53	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	0.84	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	1.13	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	2.23	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	0.48	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	1.09	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	0.44	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
07N09	CAL	0.01	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	0.59	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	
07N09	CAL	2.94	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
07N09B	CAL	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N09W	CAL	0.24	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N14C	CAL	0.47	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N16A	CAL	0.20	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N17A	CAL	0.08	GIS	ML1		NAT	t-4WD			t-ALL		4911	Tamarack	
07N18YC	CAL	0.32	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N19X	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
07N28	CAL	0.91	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
07N28	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
07N28	CAL	0.96	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	
07N48A	CAL	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N56YA	CAL	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N75	CAL	1.84	GIS	HLO	HLO	AGG				ALL		4911	Tamarack	
01N01	GR	7.77	GIS	HLO	HLO	AGG	ALL			ALL		4571	Duckwall Mt	
01N01	GR	0.36	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	
01N01	GR	0.03	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	
01N01	GR	0.43	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	
01N01C	GR	0.19	GIS	ML1		NAT	t-ALL			t-ALL		4562	Cherry Lake S	
01N01D	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N04A	GR	0.44	GIS	ML1		AGG	t-4WD			t-ALL		4562	Cherry Lake S	
01N04C	GR	0.91	GIS	ML1		NAT	t-4WD			t-ALL		4733	Cherry Lake N	
01N07A	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01N10B	GR	0.16	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N14B	GR	0.96	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N14E	GR	0.54	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N32Y	GR	1.03	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N33Y	GR	0.29	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N34	GR	1.24	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N34A	GR	0.93	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N37	GR	1.43	GIS	ML1	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
01N40Y	GR	0.62	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N45	GR	1.73	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N69	GR	1.14	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N81	GR	0.72	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N91	GR	0.58	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N97E	GR	0.64	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01S01YC	GR	0.13	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S03	GR	0.01	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	
01S03	GR	0.68	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	
01S03	GR	2.33	GIS	HLO	HLO	AGG	ALL			ALL		4564	Ackerson Mt	
01S03	GR	0.91	GIS	HLO	HLO	AGG	ALL			ALL		4563	Ascension Mt	
01S03A	GR	0.63	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S04	GR	1.28	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S04	GR	0.51	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S05A	GR	0.65	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S11C	GR	0.68	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.08	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11D	GR	0.98	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S14K	GR	0.17	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S14L	GR	0.58	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S15C	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S20	GR	0.30	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S23C	GR	0.27	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S26A	GR	0.20	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S26B	GR	0.41	GIS	ML1	ALL	NAT				t-ALL		4563	Ascension Mt	
01S27	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S29A	GR	0.24	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
01S30A	GR	0.24	GIS	ML1		NAT	t-4WD				t-ALL		4574	Jawbone Ridge	
01S32A	GR	0.50	GIS	ML1		NAT	t-ALL				t-ALL		4561	Lake Eleanor	
01S35Y	GR	1.00	GIS	ML1		NAT					t-4WD		4573	Groveland	
01S39	GR	0.80	GIS	ML1		NAT					t-ALL		4573	Groveland	
01S39YB	GR	0.38	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S42	GR	1.03	GIS	ML1		NAT					t-ALL		4573	Groveland	
01S45Y	GR	0.04	GIS	ML1		NAT	ALL				ALL		4574	Jawbone Ridge	
01S45Y	GR	0.35	GIS	ML1		NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
01S46	GR	0.25	GIS	ML1		NAT	t-4WD				t-4WD		4574	Jawbone Ridge	
01S51A	GR	0.77	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S51B	GR	0.71	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S52Y	GR	0.49	GIS	ML1		NAT	t-4WD				t-4WD		4574	Jawbone Ridge	
01S54Y	GR	0.50	GIS	ML1		NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
01S56Y	GR	0.60	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S57B	GR	1.45	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S57Y	GR	0.66	GIS	ML1		NAT	t-4WD				t-4WD		4564	Ackerson Mt	
01S59	GR	0.87	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S60Y	GR	0.51	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
01S61Y	GR	0.26	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S61YA	GR	0.55	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S65Y	GR	0.45	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S66Y	GR	0.49	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
01S73Y	GR	2.12	GIS	ML1	ALL	NAT	ALL				ALL		4574	Jawbone Ridge	
01S79	GR	2.51	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
01S79	GR	0.19	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S79	GR	0.12	GIS	ML1	ATV	NAT	t-ATV				t-ATV		4563	Ascension Mt	
01S81A	GR	0.59	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S86	GR	2.77	GIS	ML1	HLO	NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S86B	GR	0.57	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S97	GR	0.90	GIS	ML1		NAT	t-4WD				t-4WD		4564	Ackerson Mt	
02N05	GR	0.83	GIS	HLO	HLO	NAT	ALL				ALL		4733	Cherry Lake N	
02N14	GR	1.81	GIS	HLO	HLO	AGG	ALL				ALL		4744	Hull Creek	
02N14	GR	2.57	GIS	HLO	HLO	AGG	ALL				ALL		4744	Hull Creek	
02N64	GR	0.71	GIS	ML1		NAT	t-ALL				t-ALL		4744	Hull Creek	
02N82	GR	1.33	GIS	ALL	ALL	NAT					t-ALL		4733	Cherry Lake N	
02S02	GR	5.35	GIS	HLO	HLO	AGG	ALL				ALL		4563	Ascension Mt	
02S02	GR	0.10	GIS	HLO	HLO	AGG	ALL				ALL		4382	Kinsley	
02S02	GR	2.37	GIS	HLO	HLO	AGG	ALL				ALL		4382	Kinsley	
02S05C	GR	0.98	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S07A	GR	0.66	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
02S09A	GR	1.64	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S10Y	GR	0.88	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S11C	GR	1.04	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
02S12Y	GR	0.45	GIS	ML1		NAT	HLO				HLO		4574	Jawbone Ridge	
02S12YA	GR	0.28	GIS	ML1		NAT	HLO				HLO		4574	Jawbone Ridge	
02S20C	GR	0.37	GIS	ML1		NAT	t-ALL				t-ALL		4381	EI Portal	
02S20Y	GR	2.33	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S21Y	GR	1.53	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
02S22	GR	0.73	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S23YA	GR	0.73	GIS	ML1		NAT	t-ALL				t-ALL		4564	Ackerson Mt	
02S26	GR	1.48	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S30	GR	1.11	GIS	HLO	HLO	BIT	ALL				ALL		4563	Ascension Mt	
02S37YB	GR	0.74	GIS	ML1		NAT	t-ALL				t-ALL		4381	EI Portal	
02S39B	GR	0.85	GIS	ML1		NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
02S41	GR	1.60	GIS	ML1		NAT	ALL				ALL		4574	Jawbone Ridge	
02S43	GR	1.40	GIS	ML1		NAT	t-4WD				t-4WD		4391	Buckhorn Peak	
02S59A	GR	0.50	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
02S59B	GR	1.35	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
02S64C	GR	0.73	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
02S68	GR	1.81	GIS	ML1		NAT	ALL				ALL		4563	Ascension Mt	
02S74	GR	1.37	GIS	ML1		NAT					t-ALL		4381	EI Portal	
02S74A	GR	1.73	GIS	ML1		NAT					t-ALL		4381	EI Portal	
02S82	GR	0.34	GIS	ML1		NAT	t-4WD				t-ALL		4381	EI Portal	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
02S93C	GR	0.36	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
03N01	GR	0.57	GIS	HLO	HLO	AGG	ALL			ALL		4733	Cherry Lake N	
03N01	GR	0.86	GIS	HLO	HLO	AGG	ALL			ALL		4733	Cherry Lake N	
03N01	GR	0.30	GIS	HLO	HLO	AC	ALL			ALL		4571	Duckwall Mt	
03N01	GR	0.31	GIS	HLO	HLO	AC	ALL			ALL		4571	Duckwall Mt	
03N01	GR	0.60	GIS	HLO	HLO	AC	ALL			ALL		4562	Cherry Lake S	
03N01	GR	2.24	GIS	HLO	HLO	AGG				ALL		4733	Cherry Lake N	
03S06	GR	0.66	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
01N01	MW	0.02	GIS	HLO	HLO	NAT	ALL			ALL		4572	Tuolumne	
01N01	MW	8.47	GIS	HLO	HLO	AC	ALL			ALL		4572	Tuolumne	
02N03YB	MW	0.18	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
02N03YB	MW	0.43	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
02N07D	MW	0.05	GIS	ML1		NAT	t-ALL			t-ALL		4743	Twain Harte	
02N14	MW	3.50	GIS	HLO	HLO	AGG	ALL			ALL		4744	Hull Creek	
03N01	MW	1.80	GIS	HLO	HLO	AGG	ALL			ALL		4744	Hull Creek	
03N01	MW	5.77	GIS	HLO	HLO	AGG	ALL			ALL		4744	Hull Creek	
03N01	MW	1.69	GIS	HLO	HLO	AGG	ALL			ALL		4733	Cherry Lake N	
03N01	MW	1.58	GIS	HLO	HLO	AGG				ALL		4733	Cherry Lake N	
03N01W	MW	0.22	GIS	ML1	ALL	NAT				t-ALL		4744	Hull Creek	
03N24A	MW	0.09	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
03N26YB	MW	0.14	GIS	ML1	ALL	NAT	ALL			ALL		4744	Hull Creek	
03N26YB	MW	0.15	GIS	ML1	ALL	NAT	ALL			t-ATV		4744	Hull Creek	
03N34Y	MW	3.21	GIS	HLO	HLO	AGG	ALL			ALL		4733	Cherry Lake N	
03N43A	MW	0.55	GIS	ML1		NAT				t-ALL		4744	Hull Creek	
03N71Y	MW	1.30	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
03N71Y	MW	0.28	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
04N09	MW	0.62	GIS	ML1	ALL	NAT	ALL			ALL		4732	Pinecrest	
04N09	MW	0.04	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4732	Pinecrest	
04N09	MW	0.27	GIS	ML1		NAT				t-ALL		4732	Pinecrest	
04N09	MW	0.76	GIS	ML1		NAT				t-MC		4732	Pinecrest	
04N09	MW	0.30	GIS	HLO	HLO	BIT	ALL			ALL		4744	Hull Creek	
04N25	MW	0.44	GIS	HLO	HLO	AGG	ALL			ALL		4732	Pinecrest	
04N33	MW	0.42	GIS	HLO	ALL	NAT				ALL		4744	Hull Creek	
04N49YA	MW	0.13	GIS	ML1		NAT	t-4WD			t-ALL		4732	Pinecrest	
05N01	SU	2.54	GIS	HLO	HLO	AGG	ALL			ALL		4904	Dardanelle	
05N01	SU	0.55	GIS	HLO	HLO	NAT	ALL			ALL		4904	Dardanelle	
05N01	SU	0.47	GIS	HLO	HLO	NAT	ALL			ALL		4904	Dardanelle	
05N01	SU	0.71	GIS	HLO	HLO	NAT	ALL			ALL		4904	Dardanelle	
05N01	SU	2.61	GIS	HLO	HLO	NAT	ALL			ALL		4904	Dardanelle	
719.69														

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
06N11Y	CAL	0.81	GIS	ALL		NAT	ADM			ADM	ADM	4913	Boards Crossing	
06N71Y	CAL	1.35	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	0.37	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N17B	CAL	0.57	GIS	ALL	ALL	AGG	ADM				ADM	4911	Tamarack	
07N57	CAL	0.29	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N58	CAL	1.77	GIS	ALL		NAT	ADM			ADM	ADM	4921	Garnet Hill	
07N60	CAL	0.40	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95	CAL	0.08	GIS	ALL		NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95A	CAL	0.11	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
01N09	GR	6.62	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S15Y	GR	3.14	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S15YB	GR	0.18	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S16A	GR	0.27	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S50	GR	0.43	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S58	GR	3.00	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S63Y	GR	2.26	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S63YA	GR	0.10	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
02N87	GR	0.13	GIS	ALL	ALL	NAT	ADM				ADM	4562	Cherry Lake S	
02S04	GR	1.47	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
02S57	GR	0.29	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S57	GR	0.67	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
FR4898	GR	0.09	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR4898	GR	0.22	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR8602	GR	0.23	MAP	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
02N09	MW	0.14	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
02N09	MW	1.13	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
06N24	SU	0.13	GIS	ALL	ALL	AGG	ADM				ADM	4903	Donnell Lake	
06N36Y	SU	1.12	GIS	ALL	ALL	NAT	ADM				ADM	4904	Dardanelle	
06N64	CAL	0.93	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4924	Dorrington	
06N94	CAL	1.68	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4914	Liberty Hill	
01N15	GR	1.09	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
01S01Y	GR	0.59	GIS	ALL		NAT	ML1				ML1	4563	Ascension Mt	
01S01YA	GR	0.17	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S11Y	GR	1.44	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15YA	GR	1.36	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S30B	GR	0.55	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S33	GR	1.72	GIS	ALL	ALL	NAT	ML1			HLO	ML1	4573	Groveland	
01S62	GR	1.42	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S70A	GR	0.34	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
02S65D	GR	0.22	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01N58A	MW	0.40	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
02N58	MW	0.80	GIS	ALL	ALL	NAT	ML1				ML1	4744	Hull Creek	
02N93	MW	1.02	GIS	ALL	ALL	NAT	ML1				ML1	4743	Twain Harte	
04N17D	MW	0.59	GIS	ALL	ALL	NAT	ML1			t-ALL	ML1	4742	Crandall Peak	
04N17E	MW	0.32	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N17F	MW	0.63	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N49Y	MW	0.16	GIS	ALL	ALL	NAT	ML1				ML1	4732	Pinecrest	
06N24	SU	0.32	GIS	ALL	ALL	AGG	ML1				ML1	4903	Donnell Lake	
04N20YA	MW	0.20	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4751	Stanislaus	
01S35YA	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
04N04Y	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N06	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N38	CAL	2.64	GIS	ALL	ALL	AC	HLO			HLO	HLO	4751	Stanislaus	
04N80Y	CAL	1.17	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	1.14	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.16	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.59	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
05N02B	CAL	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	1.48	GIS	ALL	ALL	NAT	HLO			HLO	ML1	4913	Boards Crossing	
05N14L	CAL	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14M	CAL	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N35	CAL	1.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
05N35B	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51Y	CAL	1.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51YA	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N53Y	CAL	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N56	CAL	0.01	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4924	Dorrington	
06N13X	CAL	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N29Y	CAL	0.98	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
06N40	CAL	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N44	CAL	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N60Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
06N80	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N81Y	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.26	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81YA	CAL	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N82	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
07N01C	CAL	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01E	CAL	0.36	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01G	CAL	0.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02	CAL	2.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
07N08	CAL	2.57	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	1.94	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	0.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4924	Dorrington	
07N16X	CAL	1.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N17	CAL	2.79	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.24	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N18Y	CAL	0.90	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N29Y	CAL	3.96	GIS	ALL	ALL	AGG	HLO				HLO	4911	Tamarack	
07N38	CAL	0.75	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N40Y	CAL	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N55	CAL	1.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55A	CAL	0.59	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55Y	CAL	0.40	GIS	ALL	ALL	NAT	HLO				HLO	4902	Spicer Mdw Res	
07N58	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N70	CAL	0.77	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N75C	CAL	0.49	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N77	CAL	0.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N82	CAL	0.95	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N82A	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N93	CAL	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N94	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N94A	CAL	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
08N01A	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.23	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N13	CAL	0.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
08N14	CAL	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR10831	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR11116	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR12088	CAL	0.11	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12476	CAL	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12477	CAL	0.37	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR5219	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR7181	CAL	0.16	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR8080	CAL	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
FR8319	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.48	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8322	CAL	0.08	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8323	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8925	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
FR9330	CAL	0.11	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR9331	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FS83231	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
01N04	GR	5.14	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	1.07	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N10	GR	5.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10	GR	6.62	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01N10A	GR	0.53	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N14	GR	1.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N14	GR	2.72	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14A	GR	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14F	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N23	GR	1.98	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N40Y	GR	1.91	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N45Y	GR	0.48	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N60	GR	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N60A	GR	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.74	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.97	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.67	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N88	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N97	GR	5.01	GIS	ALL	ALL	AGG	HLO				ML1	4562	Cherry Lake S	
01S01Y	GR	0.07	GIS	ALL		NAT	HLO			HLO	ML1	4563	Ascension Mt	
01S01YB	GR	0.66	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S05Y	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S06	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06B	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S12	GR	2.25	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4381	El Portal	
01S13	GR	0.70	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4574	Jawbone Ridge	
01S13Y	GR	1.22	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S15Y	GR	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16B	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16Y	GR	1.87	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S17	GR	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17A	GR	0.56	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17D	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S19Y	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S20Y	GR	0.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4561	Lake Eleanor	
01S23Y	GR	0.67	GIS	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01S26	GR	2.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26	GR	2.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26C	GR	0.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26E	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S27Y	GR	0.84	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30	GR	1.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39Y	GR	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YA	GR	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S51	GR	2.24	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S52	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S53	GR	1.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S55Y	GR	0.17	GIS	ALL	ALL	AC	HLO			HLO	HLO	4573	Groveland	
01S55Y	GR	1.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S57	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S63	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S81	GR	1.90	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S81Y	GR	1.00	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S82	GR	1.39	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S96	GR	1.52	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
01S96A	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02N04	GR	1.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
02N04	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
02S01	GR	0.79	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.07	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.67	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	1.26	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	7.71	GIS	ALL		NAT	HLO				HLO	4563	Ascension Mt	
02S01A	GR	0.92	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01C	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4563	Ascension Mt	
02S01G	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S04Y	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S04YA	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S07Y	GR	1.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S08	GR	3.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S09Y	GR	1.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S11Y	GR	0.76	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S13	GR	0.91	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S13	GR	2.75	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S17Y	GR	1.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S18A	GR	0.55	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S18Y	GR	1.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S20	GR	1.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S21	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	1.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	3.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S22Y	GR	1.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S23	GR	1.64	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	1.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S24	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S24Y	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S30A	GR	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S30B	GR	0.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S34	GR	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S40Y	GR	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S43	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S35	GR	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37	GR	1.60	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S44	GR	1.49	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S45	GR	1.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S47	GR	0.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S50Y	GR	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S52	GR	0.35	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S53A	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56	GR	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56A	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S58	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S83	GR	1.83	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S83B	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S84	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S86	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S97	GR	0.63	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S97	GR	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
03N01C	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
03N01P	GR	0.44	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
03N01Q	GR	0.20	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
21904B	GR	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
FR7856	GR	0.14	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
FR8445	GR	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01N01J	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N03	MW	0.01	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
01N16	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N33	MW	0.73	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N03Y	MW	0.79	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.04	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.29	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.16	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03Y	MW	0.58	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N03YA	MW	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N07	MW	0.92	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N08	MW	0.42	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.43	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08	MW	0.30	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N08A	MW	0.29	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N09A	MW	0.36	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N09D	MW	0.11	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N10	MW	1.17	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N10	MW	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	1.77	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N10	MW	0.86	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N13Y	MW	0.26	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N13Y	MW	0.85	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N26	MW	0.47	GIS	ALL	ALL	AC	HLO				HLO	4743	Twain Harte	
02N26	MW	0.21	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N26	MW	0.59	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N32Y	MW	0.03	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N34	MW	2.63	GIS	ALL	ALL	AGG	HLO				HLO	4572	Tuolumne	
02N34A	MW	0.84	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N34B	MW	0.56	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N34C	MW	0.47	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N39	MW	0.86	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N39A	MW	0.71	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N44	MW	0.65	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N44	MW	0.17	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N44	MW	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N44	MW	0.32	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N44	MW	1.60	GIS	ALL	ALL	NAT	HLO				HLO	4572	Tuolumne	
02N44A	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
02N63A	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N63B	MW	0.15	MAO	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N75	MW	0.82	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N75A	MW	0.30	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
02N88	MW	1.35	GIS	ALL	ALL	AGG	HLO				HLO	4743	Twain Harte	
02N88A	MW	0.28	GIS	ALL	ALL	NAT	HLO				HLO	4743	Twain Harte	
03N01D	MW	0.15	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N01U	MW	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4744	Hull Creek	
03N02	MW	0.11	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N03	MW	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	
03N03	MW	3.43	GIS	ALL	ALL	NAT	HLO				HLO	4754	Columbia SE	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N03B	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03C	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N04	MW	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N06Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N06Y	MW	0.89	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N07	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N10Y	MW	0.57	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N10YA	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	5.13	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.61	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11A	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11B	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11C	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11D	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12	MW	3.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12A	MW	1.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12B	MW	1.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N14	MW	0.89	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.34	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.13	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N15	MW	3.56	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N20YC	MW	0.81	GIS	ALL	ALL	NAT	HLO					HLO	4733	Cherry Lake N	
03N24	MW	4.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N24D	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	1.75	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N34	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N34A	MW	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N38	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N39	MW	3.16	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N41	MW	1.68	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4744	Hull Creek	
03N44	MW	1.62	GIS	ALL	ALL	NAT	HLO					HLO	4753	Columbia	
03N45	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N48	MW	2.30	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
03N48	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48A	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48B	MW	0.80	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N50	MW	0.91	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N50	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N53	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N59	MW	0.52	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N59A	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N68	MW	1.71	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N68Y	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N69	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	0.82	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	3.83	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N69A	MW	0.61	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N69Y	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N69Y	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N70A	MW	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.64	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N72	MW	1.43	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N73	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N73B	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N77	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N84	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N87	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N87	MW	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N89	MW	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N90	MW	3.77	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N91	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N92	MW	0.88	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N92	MW	0.30	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N95	MW	1.12	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N95A	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N99	MW	1.50	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.15	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N01	MW	2.26	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N01	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	2.32	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	0.41	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01	MW	0.52	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01A	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01B	MW	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N01C	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01Y	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N02	MW	0.54	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
04N02	MW	1.07	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.17	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N04	MW	2.29	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N04	MW	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04A	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04C	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	1.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05B	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N11	MW	4.94	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N15Y	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16Y	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16YA	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N17	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N20Y	MW	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N32	MW	2.00	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N32A	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32C	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N35Y	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N61A	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N69	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N74	MW	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N75	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N78	MW	2.86	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N90	MW	4.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N98	MW	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N02Y	SU	1.86	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N06YA	SU	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10	SU	2.43	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10A	SU	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N10B	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N11	SU	2.38	GIS	ALL	ALL	AGG	HLO					HLO	4732	Pinecrest	
04N12Q	SU	0.17	MAP	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	SU	0.34	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N13	SU	2.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N24	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N25A	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26B	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26C	SU	0.35	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N27Y	SU	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.79	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31A	SU	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32	SU	0.60	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N33	SU	1.75	GIS	ALL	ALL	BIT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.44	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N35Y	SU	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N47	SU	4.03	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47D	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47Y	SU	1.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N51Y	SU	0.51	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N54	SU	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57A	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N67	SU	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N67A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N68Y	SU	1.52	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N70	SU	1.51	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71	SU	1.13	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71A	SU	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N73	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N76Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N76Y	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N77Y	SU	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78Y	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YA	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YB	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02C	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02C	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02D	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
05N02F	SU	0.24	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
05N02H	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N04	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N14D	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N17Y	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N26Y	SU	1.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N29Y	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N29Y	SU	0.18	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N44	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N59	SU	1.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N73Y	SU	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
05N85Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N85YA	SU	0.90	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N93	SU	1.44	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N06A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B1	SU	0.27	MAP	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06C	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06F	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N07Y	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N08Y	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N09Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N12	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N14	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N16A	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
06N19	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N19A	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N24	SU	0.49	GIS	ALL	ALL	AGG	HLO					HLO	4903	Donnell Lake	
06N24A	SU	0.19	GIS	ALL	ALL	AGG	HLO			HLO		HLO	4903	Donnell Lake	
06N30	SU	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N30A	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N33Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34Y	SU	2.91	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34YD	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N36Y	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N36Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N37Y	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N39Y	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N44Y	SU	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N45Y	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N47Y	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
07N13	SU	0.60	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N13A	SU	0.15	GIS	ALL		NAT	HLO					HLO	4901	Dardanelles Cone	
07N30Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YA	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YB	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
41899Z21	SU	0.08	MAP	ALL	ALL	AC	HLO			HLO		HLO	4732	Pinecrest	
51913A1	SU	0.06	MAP	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
61919A	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
61932B	SU	0.05	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4903	Donnell Lake	
62127C	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
72032C	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
FR12607	SU	0.19	MAP	ALL	ALL	AC	HLO			HLO		HLO	4741	Strawberry	
FR14823	SU	0.25	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4901	Dardanelles Cone	
FR14833	SU	0.09	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4901	Dardanelles Cone	
01S35Y	GR	1.32	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4573	Groveland	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S36Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
02S21Y	GR	0.30	GIS	ALL	ALL	NAT	t-ALL			t-ALL	ML1	4563	Ascension Mt	
03N01Y	MW	1.69	GIS	ALL	MC	NAT	t-MC			t-MC	t-MC	4743	Twain Harte	
03N58	MW	0.29	GIS	ALL	ALL	NAT	t-MC			t-MC	ML1	4743	Twain Harte	
07N09A	CAL	0.86	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09C	CAL	0.62	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09D	CAL	0.16	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09E	CAL	0.29	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09F	CAL	0.13	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09G	CAL	0.12	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09H	CAL	0.54	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09J	CAL	0.26	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.05	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.43	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.01	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	1.03	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87	CAL	1.70	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.14	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.20	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87B	CAL	0.11	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
03N01P	GR	0.61	GIS	ALL	ALL	NAT	t-4WD				HLO	4562	Cherry Lake S	
06N82Y	SU	0.24	GIS	ALL	ALL	NAT	t-4WD				HLO	4904	Dardanelle	
61931B04	SU	0.06	MAP	ALL	ALL	NAT	t-4WD				t-4WD	4903	Donnell Lake	
01S70	GR	1.10	GIS	ALL	ALL	NAT					ML1	4563	Ascension Mt	
01S70	GR	1.64	GIS	ALL		AGG					ML1	4563	Ascension Mt	
02N82	GR	1.33	GIS	ALL	ALL	NAT				t-ALL		4733	Cherry Lake N	
01N01	MW	5.77	GIS	ALL	ALL	NAT					t-ALL	4571	Duckwall Mt	
02N81	MW	2.08	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
02N81A	MW	0.18	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N01H	MW	0.95	GIS	ALL	ALL	AGG					HLO	4733	Cherry Lake N	
03N01J	MW	0.81	GIS	ALL	ALL	AGG					HLO	4733	Cherry Lake N	
03N01L	MW	0.38	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N01M	MW	0.63	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N16	MW	3.32	GIS	ALL	ALL	AGG					HLO	4733	Cherry Lake N	
03N16	MW	1.32	GIS	ALL	ALL	AGG					HLO	4733	Cherry Lake N	
03N17Y	MW	1.30	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
03N18	MW	2.57	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N20Y	MW	2.85	GIS	ALL	ALL	AGG					HLO	4733	Cherry Lake N	
03N20YB	MW	0.11	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N20YD	MW	0.84	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N20YD	MW	0.50	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N22	MW	1.85	GIS	ALL	ALL	AGG					HLO	4733	Cherry Lake N	
03N22A	MW	1.32	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N22Y	MW	0.60	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N25	MW	1.43	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N26YA	MW	0.11	GIS	ALL	ALL	NAT					ML1	4744	Hull Creek	
03N27	MW	2.85	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27	MW	1.60	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27A	MW	1.03	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27B	MW	0.34	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27C	MW	2.06	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27C	MW	0.65	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27Y	MW	1.20	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N27YA	MW	0.40	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N28	MW	2.26	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N29A	MW	0.70	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
03N29C	MW	1.05	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
03N32Y	MW	2.18	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N32YA	MW	0.28	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N34Y	MW	0.75	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N40	MW	0.23	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N45YA	MW	0.54	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
03N46Y	MW	0.80	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
03N75Y	MW	0.32	GIS	ALL	ALL	NAT					HLO	4733	Cherry Lake N	
04N49Y	MW	1.23	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50Y	MW	2.01	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50Y	MW	1.57	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50YC	MW	1.10	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N72Y	MW	0.93	GIS	ALL	ALL	NAT					HLO	4741	Strawberry	
04N72YA	MW	0.25	GIS	ALL	ALL	NAT					HLO	4741	Strawberry	
01N15Y	GR	0.53	GIS	ML1		AGG	ADM			ADM	ADM	4562	Cherry Lake S	
01N86	GR	1.19	GIS	ML1		NAT	ADM			ADM	ADM	4562	Cherry Lake S	
01S01	GR	2.95	GIS	ML1		NAT	ADM			t-4WD	ADM	4574	Jawbone Ridge	
01S23E	GR	0.16	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S28B	GR	0.59	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01N37	GR	1.43	GIS	ML1	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
01S04	GR	1.28	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S04	GR	0.51	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S45Y	GR	0.04	GIS	ML1		NAT	ALL			ALL		4574	Jawbone Ridge	
01S73Y	GR	2.12	GIS	ML1	ALL	NAT	ALL			ALL		4574	Jawbone Ridge	
02S07	GR	2.88	GIS	ML1		NAT	ALL			ALL	ALL	4574	Jawbone Ridge	
02S41	GR	1.60	GIS	ML1		NAT	ALL			ALL		4574	Jawbone Ridge	
02S68	GR	1.81	GIS	ML1		NAT	ALL			ALL		4563	Ascension Mt	
03N26YB	MW	0.14	GIS	ML1	ALL	NAT	ALL			ALL		4744	Hull Creek	
03N26YB	MW	0.15	GIS	ML1	ALL	NAT	ALL			t-ATV		4744	Hull Creek	
04N09	MW	0.62	GIS	ML1	ALL	NAT	ALL			ALL		4732	Pinecrest	
07N49Y	CAL	0.36	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4911	Tamarack	
02S12Y	GR	0.45	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S12YA	GR	0.28	GIS	ML1		NAT	HLO			HLO		4574	Jawbone Ridge	
02S53	GR	0.97	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
02S53	GR	0.11	GIS	ML1	HLO	NAT	HLO			ALL	HLO	4391	Buckhorn Peak	
06N17A	CAL	0.46	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17A	CAL	0.09	MAP	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17B	CAL	0.65	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17D	CAL	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17J	CAL	0.52	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
06N17P	CAL	0.41	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4911	Tamarack	
06N27	CAL	1.53	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N27	CAL	3.23	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
06N66YB	CAL	0.82	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N76YA	CAL	0.25	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80Y	CAL	0.78	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80YA	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85	CAL	0.72	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85A	CAL	0.39	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
07N09W	CAL	0.24	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N14C	CAL	0.47	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N16A	CAL	0.20	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N19X	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
07N48A	CAL	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N56YA	CAL	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
01N01C	GR	0.19	GIS	ML1		NAT	t-ALL			t-ALL		4562	Cherry Lake S	
01N01D	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N69	GR	1.14	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01S11C	GR	0.68	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.08	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11D	GR	0.98	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S14K	GR	0.17	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S14L	GR	0.58	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S23C	GR	0.27	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S32A	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4561	Lake Eleanor	
01S45Y	GR	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S54Y	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S60Y	GR	0.51	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S66Y	GR	0.49	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02N64	GR	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4744	Hull Creek	
02S20C	GR	0.37	GIS	ML1		NAT	t-ALL			t-ALL		4381	EI Portal	
02S21Y	GR	1.53	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S23YA	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
02S37YB	GR	0.74	GIS	ML1		NAT	t-ALL			t-ALL		4381	EI Portal	
02S39B	GR	0.85	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
02S64C	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S93C	GR	0.36	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02N07D	MW	0.05	GIS	ML1		NAT	t-ALL			t-ALL		4743	Twain Harte	
03N48Y	MW	0.75	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4744	Hull Creek	
04N09	MW	0.04	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4732	Pinecrest	
01S79	GR	0.12	GIS	ML1	ATV	NAT	t-ATV			t-ATV		4563	Ascension Mt	
03N08Y	MW	0.49	GIS	ML1	ALL	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N60	MW	1.33	GIS	ML1	ATV	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N71Y	MW	1.30	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
03N71Y	MW	0.28	GIS	ML1	MC	NAT	t-MC			t-MC		4742	Crandall Peak	
01S61YA	GR	0.55	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
07N09B	CAL	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N17A	CAL	0.08	GIS	ML1		NAT	t-4WD			t-ALL		4911	Tamarack	
07N18YC	CAL	0.32	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
01N04A	GR	0.44	GIS	ML1		AGG	t-4WD			t-ALL		4562	Cherry Lake S	
01N04C	GR	0.91	GIS	ML1		NAT	t-4WD			t-ALL		4733	Cherry Lake N	
01N07A	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01N10B	GR	0.16	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N32Y	GR	1.03	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N33Y	GR	0.29	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N45	GR	1.73	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N81	GR	0.72	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N91	GR	0.58	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01S01YC	GR	0.13	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S03A	GR	0.63	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S15C	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S20	GR	0.30	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S26A	GR	0.20	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S27	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S30A	GR	0.24	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S39YB	GR	0.38	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S46	GR	0.25	GIS	ML1		NAT	t-4WD			t-4WD		4574	Jawbone Ridge	
01S51A	GR	0.77	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S52Y	GR	0.49	GIS	ML1		NAT	t-4WD			t-4WD		4574	Jawbone Ridge	
01S56Y	GR	0.60	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S57B	GR	1.45	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S57Y	GR	0.66	GIS	ML1		NAT	t-4WD			t-4WD		4564	Ackerson Mt	
01S59	GR	0.87	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S61Y	GR	0.26	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S65Y	GR	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4563	Ascension Mt	
01S86	GR	2.77	GIS	ML1	HLO	NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S86B	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S97	GR	0.90	GIS	ML1		NAT	t-4WD			t-4WD		4564	Ackerson Mt	
02S43	GR	1.40	GIS	ML1		NAT	t-4WD			t-4WD		4391	Buckhorn Peak	
02S82	GR	0.34	GIS	ML1		NAT	t-4WD			t-ALL		4381	EI Portal	
04N49YA	MW	0.13	GIS	ML1		NAT	t-4WD			t-ALL		4732	Pinecrest	
01N14B	GR	0.96	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N14E	GR	0.54	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N34	GR	1.24	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N34A	GR	0.93	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N40Y	GR	0.62	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N97E	GR	0.64	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01S05A	GR	0.65	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S26B	GR	0.41	GIS	ML1	ALL	NAT				t-ALL		4563	Ascension Mt	
01S29A	GR	0.24	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S35Y	GR	1.00	GIS	ML1		NAT				t-4WD		4573	Groveland	
01S39	GR	0.80	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S42	GR	1.03	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S51B	GR	0.71	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S79	GR	2.51	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
01S79	GR	0.19	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S81A	GR	0.59	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
02S05C	GR	0.98	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S07A	GR	0.66	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
02S09A	GR	1.64	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S10Y	GR	0.88	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S11C	GR	1.04	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S20Y	GR	2.33	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S22	GR	0.73	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S26	GR	1.48	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S59A	GR	0.50	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S59B	GR	1.35	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S74	GR	1.37	GIS	ML1		NAT				t-ALL		4381	El Portal	
02S74A	GR	1.73	GIS	ML1		NAT				t-ALL		4381	El Portal	
03S06	GR	0.66	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02N03YB	MW	0.18	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
02N03YB	MW	0.43	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
03N01W	MW	0.22	GIS	ML1	ALL	NAT				t-ALL		4744	Hull Creek	
03N24A	MW	0.09	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
03N43A	MW	0.55	GIS	ML1		NAT				t-ALL		4744	Hull Creek	
04N09	MW	0.27	GIS	ML1		NAT				t-ALL		4732	Pinecrest	
04N09	MW	0.76	GIS	ML1		NAT				t-MC		4732	Pinecrest	
05N40	CAL	0.15	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	2.52	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
05N14	CAL	0.55	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	0.53	GIS	HLO	HLO	AGG	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	3.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
05N14	CAL	1.12	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.02	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.71	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.34	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	0.60	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
05N14	CAL	4.62	GIS	HLO	HLO	NAT	ALL			ALL		4914	Liberty Hill	Mixed Use
06N58	CAL	0.03	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.79	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.46	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.08	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.36	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.70	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.18	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	1.74	GIS	HLO	HLO	NAT	ALL			ALL		4924	Dorrington	Mixed Use
06N58	CAL	0.90	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.25	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N58	CAL	0.12	GIS	HLO	HLO	NAT	ALL			ALL		4913	Boards Crossing	Mixed Use
06N62	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N05	CAL	0.53	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.84	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.13	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	2.23	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.48	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	1.09	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Combined Use
07N09	CAL	0.44	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	0.01	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	0.59	GIS	HLO	HLO	NAT	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N09	CAL	2.94	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	0.91	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use
07N28	CAL	0.96	GIS	HLO	HLO	AGG	ALL			ALL		4912	Calaveras Dome	Mixed Use

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
01N01	GR	7.77	GIS	HLO	HLO	AGG	ALL			ALL			4571	Duckwall Mt	Mixed Use
01N01	GR	0.36	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01N01	GR	0.03	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01N01	GR	0.43	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01S03	GR	0.01	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	0.68	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	2.33	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	0.91	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	Combined Use
02N05	GR	0.83	GIS	HLO	HLO	NAT	ALL			ALL			4733	Cherry Lake N	Mixed Use
02N14	GR	1.81	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02N14	GR	2.57	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02S02	GR	5.35	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	Mixed Use
02S02	GR	0.10	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S02	GR	2.37	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S30	GR	1.11	GIS	HLO	HLO	BIT	ALL			ALL			4563	Ascension Mt	Combined Use
03N01	GR	0.57	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.86	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.30	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.31	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.60	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Combined Use
01N01	MW	0.02	GIS	HLO	HLO	NAT	ALL			ALL			4572	Tuolumne	Mixed Use
01N01	MW	8.47	GIS	HLO	HLO	AC	ALL			ALL			4572	Tuolumne	Mixed Use
02N14	MW	3.50	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.80	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Combined Use
03N01	MW	5.77	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.69	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
03N34Y	MW	3.21	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
04N09	MW	0.30	GIS	HLO	HLO	BIT	ALL			ALL			4744	Hull Creek	Combined Use
04N25	MW	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4732	Pinecrest	Combined Use
05N01	SU	2.54	GIS	HLO	HLO	AGG	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.55	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.47	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	2.61	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
07N01	CAL	0.09	GIS	HLO	HLO	AC				ALL			4911	Tamarack	
07N75	CAL	1.84	GIS	HLO	HLO	AGG				ALL			4911	Tamarack	
03N01	GR	2.24	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	
03N01	MW	1.58	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	
04N33	MW	0.42	GIS	HLO	ALL	NAT				ALL			4744	Hull Creek	
719.69															

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
06N11Y	CAL	0.81	GIS	ALL		NAT	ADM			ADM	ADM	4913	Boards Crossing	
06N71Y	CAL	1.35	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	0.37	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N57	CAL	0.29	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N58	CAL	1.77	GIS	ALL		NAT	ADM			ADM	ADM	4921	Garnet Hill	
07N60	CAL	0.40	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95	CAL	0.08	GIS	ALL		NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95A	CAL	0.11	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
06N64	CAL	0.93	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4924	Dorrington	
06N94	CAL	1.68	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4914	Liberty Hill	
04N20YA	MW	0.20	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4751	Stanislaus	
04N04Y	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N06	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N38	CAL	2.64	GIS	ALL	ALL	AC	HLO			HLO	HLO	4751	Stanislaus	
04N80Y	CAL	1.17	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	1.14	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.16	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.59	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
05N02B	CAL	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	1.48	GIS	ALL	ALL	NAT	HLO			HLO	ML1	4913	Boards Crossing	
05N14L	CAL	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14M	CAL	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N35	CAL	1.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N35B	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51Y	CAL	1.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51YA	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N53Y	CAL	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N56	CAL	0.01	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4924	Dorrington	
06N13X	CAL	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N40	CAL	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N44	CAL	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N60Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
06N80	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N81Y	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.26	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81YA	CAL	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N82	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
07N01C	CAL	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01E	CAL	0.36	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01G	CAL	0.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02	CAL	2.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
07N08	CAL	2.57	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	1.94	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	0.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4924	Dorrington	
07N16X	CAL	1.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N18Y	CAL	0.90	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N40Y	CAL	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N55	CAL	1.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55A	CAL	0.59	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N58	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N70	CAL	0.77	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N77	CAL	0.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N82	CAL	0.95	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N82A	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N93	CAL	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N94	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N94A	CAL	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
08N01A	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
08N04	CAL	0.23	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N13	CAL	0.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
08N14	CAL	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR10831	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR11116	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR12088	CAL	0.11	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12476	CAL	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12477	CAL	0.37	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR5219	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR7181	CAL	0.16	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR8080	CAL	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
FR8319	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.48	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8322	CAL	0.08	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8323	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8925	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR9330	CAL	0.11	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR9331	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FS83231	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
01N10	GR	5.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10	GR	6.62	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01N10A	GR	0.53	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N14	GR	1.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N14F	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N23	GR	1.98	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N45Y	GR	0.48	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N88	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01S01Y	GR	0.07	GIS	ALL		NAT	HLO			HLO	ML1	4563	Ascension Mt	
01S01YB	GR	0.66	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S05Y	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S06	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06B	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S12	GR	2.25	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4381	El Portal	
01S13	GR	0.70	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4574	Jawbone Ridge	
01S13Y	GR	1.22	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S15Y	GR	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16B	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16Y	GR	1.87	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S17	GR	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17A	GR	0.56	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17D	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S19Y	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S20Y	GR	0.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4561	Lake Eleanor	
01S23Y	GR	0.67	GIS	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01S26	GR	2.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26	GR	2.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26C	GR	0.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26E	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S27Y	GR	0.84	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30	GR	1.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S33	GR	1.72	GIS	ALL	ALL	NAT	ML1			HLO	ML1	4573	Groveland	
01S39Y	GR	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YA	GR	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S51	GR	2.24	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S52	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S53	GR	1.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S55Y	GR	0.17	GIS	ALL	ALL	AC	HLO			HLO	HLO	4573	Groveland	
01S55Y	GR	1.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S57	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S63	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S81	GR	1.90	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S81Y	GR	1.00	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S82	GR	1.39	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S96	GR	1.52	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
01S96A	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02N04	GR	1.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
02N04	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
02S01	GR	0.79	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.07	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.67	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	1.26	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4564	Ackerson Mt	
02S01A	GR	0.92	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01G	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S04Y	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S04YA	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S07Y	GR	1.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S08	GR	3.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S09Y	GR	1.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S11Y	GR	0.76	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S13	GR	0.91	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S13	GR	2.75	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S17Y	GR	1.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S18A	GR	0.55	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S18Y	GR	1.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S20	GR	1.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S21	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	1.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	3.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S22Y	GR	1.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S23	GR	1.64	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	1.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S24	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S24Y	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S30A	GR	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S30B	GR	0.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S34	GR	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S40Y	GR	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S43	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S35	GR	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37	GR	1.60	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S44	GR	1.49	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S45	GR	1.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S47	GR	0.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S50Y	GR	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S52	GR	0.35	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S53A	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56	GR	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56A	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S58	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S83	GR	1.83	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S83B	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S84	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S86	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S97	GR	0.63	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
02S97	GR	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
03N01C	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
21904B	GR	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
FR7856	GR	0.14	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
FR8445	GR	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
03N41	MW	1.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
03N69A	MW	0.61	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
06N24A	SU	0.19	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4903	Donnell Lake	
41899Z21	SU	0.08	MAP	ALL	ALL	AC	HLO			HLO	HLO	4732	Pinecrest	
61932B	SU	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4903	Donnell Lake	
FR12607	SU	0.19	MAP	ALL	ALL	AC	HLO			HLO	HLO	4741	Strawberry	
FR14823	SU	0.25	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FR14833	SU	0.09	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
01S35Y	GR	1.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02N82	GR	1.33	GIS	ALL	ALL	NAT				t-ALL		4733	Cherry Lake N	
02S21Y	GR	0.30	GIS	ALL	ALL	NAT	t-ALL			t-ALL	ML1	4563	Ascension Mt	
04N17D	MW	0.59	GIS	ALL	ALL	NAT	ML1			t-ALL	ML1	4742	Crandall Peak	
03N01Y	MW	1.69	GIS	ALL	MC	NAT	t-MC			t-MC	t-MC	4743	Twain Harte	
03N58	MW	0.29	GIS	ALL	ALL	NAT	t-MC			t-MC	ML1	4743	Twain Harte	
07N09A	CAL	0.86	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09C	CAL	0.62	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09D	CAL	0.16	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09E	CAL	0.29	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09F	CAL	0.13	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09G	CAL	0.12	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09H	CAL	0.54	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09J	CAL	0.26	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.05	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.43	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.01	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	1.03	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87	CAL	1.70	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.14	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.20	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87B	CAL	0.11	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
06N29Y	CAL	0.98	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.79	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.24	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17B	CAL	0.57	GIS	ALL	ALL	AGG	ADM				ADM	4911	Tamarack	
07N29Y	CAL	3.96	GIS	ALL	ALL	AGG	HLO				HLO	4911	Tamarack	
07N38	CAL	0.75	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N55Y	CAL	0.40	GIS	ALL	ALL	NAT	HLO				HLO	4902	Spicer Mdw Res	
07N75C	CAL	0.49	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
01N04	GR	5.14	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	1.07	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N09	GR	6.62	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01N14	GR	2.72	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14A	GR	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N15	GR	1.09	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
01N40Y	GR	1.91	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N60	GR	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N60A	GR	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.74	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.97	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.67	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N97	GR	5.01	GIS	ALL	ALL	AGG	HLO				ML1	4562	Cherry Lake S	
01S01Y	GR	0.59	GIS	ALL		NAT	ML1				ML1	4563	Ascension Mt	
01S01YA	GR	0.17	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S11Y	GR	1.44	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15Y	GR	3.14	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S15YA	GR	1.36	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15YB	GR	0.18	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
01S16A	GR	0.27	GIS	ALL	ALL	NAT	ADM					ADM	4574	Jawbone Ridge	
01S30B	GR	0.55	GIS	ALL	ALL	NAT	ML1					ML1	4563	Ascension Mt	
01S35YA	GR	0.39	GIS	ALL	ALL	NAT	HLO					HLO	4573	Groveland	
01S50	GR	0.43	GIS	ALL	ALL	NAT	ADM					ADM	4574	Jawbone Ridge	
01S58	GR	3.00	GIS	ALL	ALL	NAT	ADM					ADM	4563	Ascension Mt	
01S62	GR	1.42	GIS	ALL	ALL	NAT	ML1					ML1	4563	Ascension Mt	
01S63Y	GR	2.26	GIS	ALL	ALL	NAT	ADM					ADM	4571	Duckwall Mt	
01S63YA	GR	0.10	GIS	ALL	ALL	NAT	ADM					ADM	4571	Duckwall Mt	
01S70	GR	1.10	GIS	ALL	ALL	NAT						ML1	4563	Ascension Mt	
01S70	GR	1.64	GIS	ALL		AGG						ML1	4563	Ascension Mt	
01S70A	GR	0.34	GIS	ALL	ALL	NAT	ML1					ML1	4563	Ascension Mt	
02N87	GR	0.13	GIS	ALL	ALL	NAT	ADM					ADM	4562	Cherry Lake S	
02S01	GR	7.71	GIS	ALL		NAT	HLO					HLO	4563	Ascension Mt	
02S01C	GR	0.39	GIS	ALL	ALL	NAT	HLO					HLO	4563	Ascension Mt	
02S04	GR	1.47	GIS	ALL	ALL	NAT	ADM					ADM	4563	Ascension Mt	
02S57	GR	0.29	GIS	ALL	ALL	NAT	ADM					ADM	4391	Buckhorn Peak	
02S57	GR	0.67	GIS	ALL	ALL	NAT	ADM					ADM	4391	Buckhorn Peak	
02S65D	GR	0.22	GIS	ALL	ALL	NAT	ML1					ML1	4563	Ascension Mt	
03N01P	GR	0.44	GIS	ALL	ALL	NAT	HLO					HLO	4562	Cherry Lake S	
03N01P	GR	0.61	GIS	ALL	ALL	NAT	t-4WD					HLO	4562	Cherry Lake S	
03N01Q	GR	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4562	Cherry Lake S	
FR4898	GR	0.09	GIS	ALL	ALL	NAT	ADM					ADM	4574	Jawbone Ridge	
FR4898	GR	0.22	GIS	ALL	ALL	NAT	ADM					ADM	4574	Jawbone Ridge	
FR8602	GR	0.23	MAP	ALL	ALL	NAT	ADM					ADM	4574	Jawbone Ridge	
01N01	MW	5.77	GIS	ALL	ALL	NAT						t-ALL	4571	Duckwall Mt	
01N01J	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
01N03	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
01N16	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4571	Duckwall Mt	
01N33	MW	0.73	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
01N58A	MW	0.40	GIS	ALL	ALL	NAT	ML1					ML1	4571	Duckwall Mt	
02N03Y	MW	0.79	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.04	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.29	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03Y	MW	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N03YA	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N07	MW	0.92	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N08	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N08	MW	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N08	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N08A	MW	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N09	MW	0.14	GIS	ALL	ALL	NAT	ADM					ADM	4572	Tuolumne	
02N09	MW	1.13	GIS	ALL	ALL	NAT	ADM					ADM	4572	Tuolumne	
02N09A	MW	0.36	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N09D	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N09D	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N10	MW	1.17	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
02N10	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	1.77	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N13Y	MW	0.26	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N13Y	MW	0.85	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N26	MW	0.47	GIS	ALL	ALL	AC	HLO					HLO	4743	Twain Harte	
02N26	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02N26	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N32Y	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N34	MW	2.63	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
02N34A	MW	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34B	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34C	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39A	MW	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.65	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	1.60	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4571	Duckwall Mt	
02N58	MW	0.80	GIS	ALL	ALL	NAT	ML1					ML1	4744	Hull Creek	
02N63A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N63B	MW	0.15	MAO	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75	MW	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75A	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N81	MW	2.08	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N81A	MW	0.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N88	MW	1.35	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N88A	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N93	MW	1.02	GIS	ALL	ALL	NAT	ML1					ML1	4743	Twain Harte	
03N01D	MW	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N01H	MW	0.95	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01J	MW	0.81	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01L	MW	0.38	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01M	MW	0.63	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01U	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N02	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	3.43	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03B	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03C	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N04	MW	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N06Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N06Y	MW	0.89	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N07	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N10Y	MW	0.57	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N10YA	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	5.13	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.61	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11A	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11B	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11C	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11D	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12	MW	3.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12A	MW	1.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12B	MW	1.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N14	MW	0.89	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.34	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.13	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N15	MW	3.56	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N16	MW	3.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N16	MW	1.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N17Y	MW	1.30	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N18	MW	2.57	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20Y	MW	2.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N20YB	MW	0.11	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YC	MW	0.81	GIS	ALL	ALL	NAT	HLO					HLO	4733	Cherry Lake N	
03N20YD	MW	0.84	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YD	MW	0.50	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22	MW	1.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N22A	MW	1.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22Y	MW	0.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N24	MW	4.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N24D	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N25	MW	1.43	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N26YA	MW	0.11	GIS	ALL	ALL	NAT						ML1	4744	Hull Creek	
03N27	MW	2.85	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27	MW	1.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27A	MW	1.03	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27B	MW	0.34	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	2.06	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	0.65	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27Y	MW	1.20	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27YA	MW	0.40	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N28	MW	2.26	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N29A	MW	0.70	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N29C	MW	1.05	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N30	MW	1.75	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N32Y	MW	2.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N32YA	MW	0.28	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N34	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N34A	MW	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N38	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N39	MW	3.16	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N40	MW	0.23	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N44	MW	1.62	GIS	ALL	ALL	NAT	HLO					HLO	4753	Columbia	
03N45	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N45YA	MW	0.54	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N46	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46Y	MW	0.80	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N48	MW	2.30	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
03N48	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48A	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48B	MW	0.80	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N50	MW	0.91	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N50	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N53	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N59	MW	0.52	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N59A	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N68	MW	1.71	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N68Y	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N69	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	0.82	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	3.83	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N69Y	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N69Y	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N70A	MW	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N71	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.64	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N72	MW	1.43	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N73	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N73B	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N75Y	MW	0.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N77	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N84	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N87	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N87	MW	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N89	MW	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N90	MW	3.77	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N91	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N92	MW	0.88	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N92	MW	0.30	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N95	MW	1.12	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N95A	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N99	MW	1.50	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.15	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N01	MW	2.26	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N01	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	2.32	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	0.41	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01	MW	0.52	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01A	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01B	MW	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N01C	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01Y	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N02	MW	0.54	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
04N02	MW	1.07	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.17	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N04	MW	2.29	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N04	MW	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04A	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04C	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	1.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05B	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N11	MW	4.94	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N15Y	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16Y	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16YA	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N17	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17E	MW	0.32	GIS	ALL	ALL	NAT	ML1					ML1	4742	Crandall Peak	
04N17F	MW	0.63	GIS	ALL	ALL	NAT	ML1					ML1	4742	Crandall Peak	
04N18	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N20Y	MW	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N32	MW	2.00	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N32A	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32C	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N35Y	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N49Y	MW	0.16	GIS	ALL	ALL	NAT	ML1					ML1	4732	Pinecrest	
04N49Y	MW	1.23	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
04N50Y	MW	2.01	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50Y	MW	1.57	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N50YC	MW	1.10	GIS	ALL	ALL	NAT					HLO	4732	Pinecrest	
04N61A	MW	0.69	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N69	MW	1.63	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N72Y	MW	0.93	GIS	ALL	ALL	NAT					HLO	4741	Strawberry	
04N72YA	MW	0.25	GIS	ALL	ALL	NAT					HLO	4741	Strawberry	
04N74	MW	0.26	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N75	MW	1.80	GIS	ALL	ALL	NAT	HLO				HLO	4751	Stanislaus	
04N78	MW	2.86	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N90	MW	4.05	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N95	MW	0.36	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N95	MW	0.22	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N95	MW	0.48	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N98	MW	1.22	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N02Y	SU	1.86	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N06YA	SU	0.07	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N10	SU	2.43	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N10A	SU	0.82	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N10B	SU	0.66	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N11	SU	2.38	GIS	ALL	ALL	AGG	HLO				HLO	4732	Pinecrest	
04N12Q	SU	0.17	MAP	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N13	SU	0.34	GIS	ALL	ALL	AC	HLO				HLO	4741	Strawberry	
04N13	SU	2.08	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N24	SU	0.30	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N25A	SU	0.27	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N26B	SU	0.78	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N26C	SU	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N27Y	SU	0.84	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N31	SU	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N31	SU	0.79	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N31A	SU	0.36	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N32	SU	0.60	GIS	ALL	ALL	AGG	HLO				HLO	4741	Strawberry	
04N33	SU	1.75	GIS	ALL	ALL	BIT	HLO				HLO	4732	Pinecrest	
04N34	SU	2.44	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N34	SU	1.22	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N34	SU	2.27	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N35Y	SU	2.04	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N47	SU	4.03	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N47D	SU	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N47Y	SU	1.76	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N51Y	SU	0.51	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N54	SU	1.17	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N55	SU	0.48	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N55	SU	0.71	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N57	SU	0.15	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N57A	SU	0.37	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N65	SU	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N65	SU	0.23	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N67	SU	0.32	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N67A	SU	0.31	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N68Y	SU	1.52	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N70	SU	1.51	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N71	SU	1.13	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N71A	SU	0.58	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N73	SU	0.78	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N76Y	SU	0.23	GIS	ALL	ALL	NAT	HLO				HLO	4742	Crandall Peak	
04N76Y	SU	0.37	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N77Y	SU	0.38	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N78Y	SU	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	
04N78YA	SU	0.34	GIS	ALL	ALL	NAT	HLO				HLO	4741	Strawberry	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N78YB	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02C	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02C	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02D	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02F	SU	0.24	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
05N02H	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N04	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N14D	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N17Y	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N26Y	SU	1.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N29Y	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N29Y	SU	0.18	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N44	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N59	SU	1.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N73Y	SU	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
05N85Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N85YA	SU	0.90	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N93	SU	1.44	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N06A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B1	SU	0.27	MAP	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06C	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06F	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N07Y	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N08Y	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N09Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N12	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N14	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N16A	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
06N19	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N19A	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N24	SU	0.13	GIS	ALL	ALL	AGG	ADM					ADM	4903	Donnell Lake	
06N24	SU	0.32	GIS	ALL	ALL	AGG	ML1					ML1	4903	Donnell Lake	
06N24	SU	0.49	GIS	ALL	ALL	AGG	HLO					HLO	4903	Donnell Lake	
06N30	SU	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N30A	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N33Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34Y	SU	2.91	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34YD	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N36Y	SU	1.12	GIS	ALL	ALL	NAT	ADM					ADM	4904	Dardanelle	
06N36Y	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N36Y	SU	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N37Y	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N39Y	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4893	Sonora Pass	
06N44Y	SU	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N45Y	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N47Y	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
06N82Y	SU	0.24	GIS	ALL	ALL	NAT	t-4WD					HLO	4904	Dardanelle	
07N13	SU	0.60	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N13A	SU	0.15	GIS	ALL		NAT	HLO					HLO	4901	Dardanelles Cone	
07N30Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YA	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	
07N30YB	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4901	Dardanelles Cone	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
51913A1	SU	0.06	MAP	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
61919A	SU	0.16	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
61931B04	SU	0.06	MAP	ALL	ALL	NAT	t-4WD				t-4WD	4903	Donnell Lake	
62127C	SU	0.14	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
72032C	SU	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
01S36Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
01N15Y	GR	0.53	GIS	ML1		AGG	ADM		ADM	ADM		4562	Cherry Lake S	
01N86	GR	1.19	GIS	ML1		NAT	ADM		ADM	ADM		4562	Cherry Lake S	
01S23E	GR	0.16	GIS	ML1		NAT	ADM		ADM	ADM		4574	Jawbone Ridge	
01S28B	GR	0.59	GIS	ML1		NAT	ADM		ADM	ADM		4574	Jawbone Ridge	
07N49Y	CAL	0.36	GIS	ML1	HLO	NAT	HLO		ALL	HLO		4911	Tamarack	
01N37	GR	1.43	GIS	ML1	ALL	NAT	ALL		ALL			4571	Duckwall Mt	
01S45Y	GR	0.04	GIS	ML1		NAT	ALL		ALL			4574	Jawbone Ridge	
01S73Y	GR	2.12	GIS	ML1	ALL	NAT	ALL		ALL			4574	Jawbone Ridge	
02S07	GR	2.88	GIS	ML1		NAT	ALL		ALL	ALL		4574	Jawbone Ridge	
02S41	GR	1.60	GIS	ML1		NAT	ALL		ALL			4574	Jawbone Ridge	
02S53	GR	0.97	GIS	ML1	HLO	NAT	HLO		ALL	HLO		4391	Buckhorn Peak	
02S53	GR	0.11	GIS	ML1	HLO	NAT	HLO		ALL	HLO		4391	Buckhorn Peak	
02S68	GR	1.81	GIS	ML1		NAT	ALL		ALL			4563	Ascension Mt	
03N26YB	MW	0.14	GIS	ML1	ALL	NAT	ALL		ALL			4744	Hull Creek	
04N09	MW	0.62	GIS	ML1	ALL	NAT	ALL		ALL			4732	Pinecrest	
02S12Y	GR	0.45	GIS	ML1		NAT	HLO		HLO			4574	Jawbone Ridge	
02S12YA	GR	0.28	GIS	ML1		NAT	HLO		HLO			4574	Jawbone Ridge	
06N17A	CAL	0.46	GIS	ML1		NAT	t-ALL		t-ALL			4913	Boards Crossing	
06N17A	CAL	0.09	MAP	ML1		NAT	t-ALL		t-ALL			4913	Boards Crossing	
06N17B	CAL	0.65	GIS	ML1		NAT	t-ALL		t-ALL			4913	Boards Crossing	
06N17D	CAL	0.35	GIS	ML1		NAT	t-ALL		t-ALL			4913	Boards Crossing	
06N17J	CAL	0.52	GIS	ML1		NAT	t-ALL		t-ALL			4911	Tamarack	
06N17P	CAL	0.41	GIS	ML1	ALL	NAT	t-ALL		t-ALL			4911	Tamarack	
06N27	CAL	1.53	GIS	ML1	ALL	NAT	t-ALL		t-ALL	t-ALL		4914	Liberty Hill	
06N27	CAL	3.23	GIS	ML1	ALL	NAT	t-ALL		t-ALL	t-ALL		4914	Liberty Hill	
06N66YB	CAL	0.82	GIS	ML1		NAT	t-ALL		t-ALL			4914	Liberty Hill	
06N76YA	CAL	0.25	GIS	ML1		NAT	t-ALL		t-ALL			4914	Liberty Hill	
06N80Y	CAL	0.78	GIS	ML1		NAT	t-ALL		t-ALL			4914	Liberty Hill	
06N80YA	CAL	0.11	GIS	ML1		NAT	t-ALL		t-ALL			4914	Liberty Hill	
06N85	CAL	0.72	GIS	ML1	ALL	NAT	t-ALL		t-ALL			4914	Liberty Hill	
06N85A	CAL	0.39	GIS	ML1		NAT	t-ALL		t-ALL			4914	Liberty Hill	
07N09W	CAL	0.24	GIS	ML1		NAT	t-ALL		t-ALL			4912	Calaveras Dome	
07N14C	CAL	0.47	GIS	ML1		NAT	t-ALL		t-ALL			4912	Calaveras Dome	
07N16A	CAL	0.20	GIS	ML1		NAT	t-ALL		t-ALL			4912	Calaveras Dome	
07N17A	CAL	0.08	GIS	ML1		NAT	t-4WD		t-ALL			4911	Tamarack	
07N19X	CAL	0.11	GIS	ML1		NAT	t-ALL		t-ALL			4911	Tamarack	
07N48A	CAL	0.22	GIS	ML1		NAT	t-ALL		t-ALL			4912	Calaveras Dome	
07N56YA	CAL	0.71	GIS	ML1		NAT	t-ALL		t-ALL			4912	Calaveras Dome	
01N01C	GR	0.19	GIS	ML1		NAT	t-ALL		t-ALL			4562	Cherry Lake S	
01N01D	GR	0.50	GIS	ML1		NAT	t-ALL		t-ALL			4571	Duckwall Mt	
01N04A	GR	0.44	GIS	ML1		AGG	t-4WD		t-ALL			4562	Cherry Lake S	
01N04C	GR	0.91	GIS	ML1		NAT	t-4WD		t-ALL			4733	Cherry Lake N	
01N07A	GR	0.80	GIS	ML1		NAT	t-4WD		t-ALL			4563	Ascension Mt	
01N10B	GR	0.16	GIS	ML1		NAT	t-4WD		t-ALL			4571	Duckwall Mt	
01N14B	GR	0.96	GIS	ML1	ALL	NAT			t-ALL			4562	Cherry Lake S	
01N14E	GR	0.54	GIS	ML1	ALL	NAT			t-ALL			4562	Cherry Lake S	
01N32Y	GR	1.03	GIS	ML1		NAT	t-4WD		t-ALL			4571	Duckwall Mt	
01N33Y	GR	0.29	GIS	ML1		NAT	t-4WD		t-ALL			4571	Duckwall Mt	
01N34	GR	1.24	GIS	ML1	ALL	NAT			t-ALL			4562	Cherry Lake S	
01N34A	GR	0.93	GIS	ML1	ALL	NAT			t-ALL			4562	Cherry Lake S	
01N40Y	GR	0.62	GIS	ML1	ALL	NAT			t-ALL			4562	Cherry Lake S	
01N45	GR	1.73	GIS	ML1		NAT	t-4WD		t-ALL			4562	Cherry Lake S	
01N69	GR	1.14	GIS	ML1		NAT	t-ALL		t-ALL			4571	Duckwall Mt	
01N81	GR	0.72	GIS	ML1		NAT	t-4WD		t-ALL			4562	Cherry Lake S	
01N91	GR	0.58	GIS	ML1		NAT	t-4WD		t-ALL			4571	Duckwall Mt	
01N97E	GR	0.64	GIS	ML1	ALL	NAT			t-ALL			4562	Cherry Lake S	
01S01YC	GR	0.13	GIS	ML1		NAT	t-4WD		t-ALL			4563	Ascension Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S03A	GR	0.63	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S04	GR	1.28	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S04	GR	0.51	GIS	ML1	ALL	AGG	ALL			t-ALL		4563	Ascension Mt	
01S05A	GR	0.65	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S11C	GR	0.68	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.08	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11C	GR	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
01S11D	GR	0.98	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S14K	GR	0.17	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S14L	GR	0.58	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S15C	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S23C	GR	0.27	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S26A	GR	0.20	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S26B	GR	0.41	GIS	ML1	ALL	NAT				t-ALL		4563	Ascension Mt	
01S27	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S29A	GR	0.24	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
01S30A	GR	0.24	GIS	ML1		NAT	t-4WD			t-ALL		4574	Jawbone Ridge	
01S32A	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4561	Lake Eleanor	
01S39	GR	0.80	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S39YB	GR	0.38	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S42	GR	1.03	GIS	ML1		NAT				t-ALL		4573	Groveland	
01S45Y	GR	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S51A	GR	0.77	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S51B	GR	0.71	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S54Y	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
01S56Y	GR	0.60	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S57B	GR	1.45	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S59	GR	0.87	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S60Y	GR	0.51	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S66Y	GR	0.49	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
01S79	GR	2.51	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
01S79	GR	0.19	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S81A	GR	0.59	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
01S86	GR	2.77	GIS	ML1	HLO	NAT	t-4WD			t-ALL		4563	Ascension Mt	
01S86B	GR	0.57	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
02N64	GR	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4744	Hull Creek	
02S05C	GR	0.98	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S07A	GR	0.66	GIS	ML1		NAT				t-ALL		4563	Ascension Mt	
02S09A	GR	1.64	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S10Y	GR	0.88	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S11C	GR	1.04	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S20C	GR	0.37	GIS	ML1		NAT	t-ALL			t-ALL		4381	El Portal	
02S20Y	GR	2.33	GIS	ML1		NAT				t-ALL		4574	Jawbone Ridge	
02S21Y	GR	1.53	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S22	GR	0.73	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S23YA	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4564	Ackerson Mt	
02S26	GR	1.48	GIS	ML1		NAT				t-ALL		4382	Kinsley	
02S37YB	GR	0.74	GIS	ML1		NAT	t-ALL			t-ALL		4381	El Portal	
02S39B	GR	0.85	GIS	ML1		NAT	t-ALL			t-ALL		4574	Jawbone Ridge	
02S59A	GR	0.50	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S59B	GR	1.35	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02S64C	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
02S74	GR	1.37	GIS	ML1		NAT				t-ALL		4381	El Portal	
02S74A	GR	1.73	GIS	ML1		NAT				t-ALL		4381	El Portal	
02S82	GR	0.34	GIS	ML1		NAT	t-4WD			t-ALL		4381	El Portal	
02S93C	GR	0.36	GIS	ML1		NAT	t-ALL			t-ALL		4563	Ascension Mt	
03S06	GR	0.66	GIS	ML1		NAT				t-ALL		4391	Buckhorn Peak	
02N03YB	MW	0.18	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
02N03YB	MW	0.43	GIS	ML1		NAT				t-ALL		4743	Twain Harte	
02N07D	MW	0.05	GIS	ML1		NAT	t-ALL			t-ALL		4743	Twain Harte	
03N01W	MW	0.22	GIS	ML1	ALL	NAT				t-ALL		4744	Hull Creek	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N24A	MW	0.09	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
03N43A	MW	0.55	GIS	ML1		NAT				t-ALL			4744	Hull Creek	
03N48Y	MW	0.75	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL		4744	Hull Creek	
04N09	MW	0.04	GIS	ML1	ALL	NAT	t-ALL			t-ALL			4732	Pinecrest	
04N09	MW	0.27	GIS	ML1		NAT				t-ALL			4732	Pinecrest	
04N49YA	MW	0.13	GIS	ML1		NAT	t-4WD			t-ALL			4732	Pinecrest	
01S79	GR	0.12	GIS	ML1	ATV	NAT	t-ATV			t-ATV			4563	Ascension Mt	
03N08Y	MW	0.49	GIS	ML1	ALL	NAT	t-ATV			t-ATV	t-ATV		4744	Hull Creek	
03N26YB	MW	0.15	GIS	ML1	ALL	NAT	ALL			t-ATV			4744	Hull Creek	
03N60	MW	1.33	GIS	ML1	ATV	NAT	t-ATV			t-ATV	t-ATV		4744	Hull Creek	
03N71Y	MW	1.30	GIS	ML1	MC	NAT	t-MC			t-MC			4742	Crandall Peak	
03N71Y	MW	0.28	GIS	ML1	MC	NAT	t-MC			t-MC			4742	Crandall Peak	
04N09	MW	0.76	GIS	ML1		NAT				t-MC			4732	Pinecrest	
01S35Y	GR	1.00	GIS	ML1		NAT				t-4WD			4573	Groveland	
01S61YA	GR	0.55	GIS	ML1		NAT	t-4WD			t-4WD			4563	Ascension Mt	
07N09B	CAL	0.45	GIS	ML1		NAT	t-4WD			t-4WD			4912	Calaveras Dome	
07N18YC	CAL	0.32	GIS	ML1		NAT	t-4WD			t-4WD			4912	Calaveras Dome	
01S01	GR	2.95	GIS	ML1		NAT	ADM			t-4WD	ADM		4574	Jawbone Ridge	
01S20	GR	0.30	GIS	ML1		NAT	t-4WD			t-4WD			4563	Ascension Mt	
01S46	GR	0.25	GIS	ML1		NAT	t-4WD			t-4WD			4574	Jawbone Ridge	
01S52Y	GR	0.49	GIS	ML1		NAT	t-4WD			t-4WD			4574	Jawbone Ridge	
01S57Y	GR	0.66	GIS	ML1		NAT	t-4WD			t-4WD			4564	Ackerson Mt	
01S61Y	GR	0.26	GIS	ML1		NAT	t-4WD			t-4WD			4563	Ascension Mt	
01S65Y	GR	0.45	GIS	ML1		NAT	t-4WD			t-4WD			4563	Ascension Mt	
01S97	GR	0.90	GIS	ML1		NAT	t-4WD			t-4WD			4564	Ackerson Mt	
02S43	GR	1.40	GIS	ML1		NAT	t-4WD			t-4WD			4391	Buckhorn Peak	
05N40	CAL	0.15	GIS	HLO	HLO	NAT	ADM			ADM	ADM		4924	Dorrington	
07N08	CAL	2.52	GIS	HLO	HLO	NAT	ADM			ADM	ADM		4924	Dorrington	
05N14	CAL	0.55	GIS	HLO	HLO	AGG	ALL			ALL			4913	Boards Crossing	Mixed Use
05N14	CAL	0.53	GIS	HLO	HLO	AGG	ALL			ALL			4913	Boards Crossing	Mixed Use
05N14	CAL	3.25	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
05N14	CAL	1.12	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	Mixed Use
05N14	CAL	0.02	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	Mixed Use
05N14	CAL	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	Mixed Use
05N14	CAL	0.34	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	Mixed Use
05N14	CAL	0.60	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	Mixed Use
05N14	CAL	4.62	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	Mixed Use
06N58	CAL	0.03	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N58	CAL	0.79	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N58	CAL	0.46	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N58	CAL	0.08	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N58	CAL	0.36	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N58	CAL	0.70	GIS	HLO	HLO	NAT	ALL			ALL			4924	Dorrington	Mixed Use
06N58	CAL	0.18	GIS	HLO	HLO	NAT	ALL			ALL			4924	Dorrington	Mixed Use
06N58	CAL	1.74	GIS	HLO	HLO	NAT	ALL			ALL			4924	Dorrington	Mixed Use
06N58	CAL	0.90	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N58	CAL	0.25	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N58	CAL	0.12	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	Mixed Use
06N62	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N01	CAL	0.09	GIS	HLO	HLO	AC				ALL			4911	Tamarack	Combined Use
07N05	CAL	0.53	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	Combined Use
07N09	CAL	0.84	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Combined Use
07N09	CAL	1.13	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	Combined Use
07N09	CAL	2.23	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	Combined Use
07N09	CAL	0.48	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	Combined Use
07N09	CAL	1.09	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Combined Use
07N09	CAL	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N09	CAL	0.01	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N09	CAL	0.59	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N09	CAL	2.94	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N28	CAL	0.91	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N28	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use
07N28	CAL	0.96	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	Mixed Use

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
07N75	CAL	1.84	GIS	HLO	HLO	AGG				ALL			4911	Tamarack	Combined Use
01N01	GR	7.77	GIS	HLO	HLO	AGG	ALL			ALL			4571	Duckwall Mt	Mixed Use
01N01	GR	0.36	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01N01	GR	0.03	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01N01	GR	0.43	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Mixed Use
01S03	GR	0.01	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	0.68	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	2.33	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	Combined Use
01S03	GR	0.91	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	Combined Use
02N05	GR	0.83	GIS	HLO	HLO	NAT	ALL			ALL			4733	Cherry Lake N	Mixed Use
02N14	GR	1.81	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02N14	GR	2.57	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
02S02	GR	5.35	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	Mixed Use
02S02	GR	0.10	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S02	GR	2.37	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	Mixed Use
02S30	GR	1.11	GIS	HLO	HLO	BIT	ALL			ALL			4563	Ascension Mt	Combined Use
03N01	GR	0.57	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.86	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Combined Use
03N01	GR	0.30	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.31	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	Combined Use
03N01	GR	0.60	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	Combined Use
03N01	GR	2.24	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	Mixed Use
01N01	MW	0.02	GIS	HLO	HLO	NAT	ALL			ALL			4572	Tuolumne	Mixed Use
01N01	MW	8.47	GIS	HLO	HLO	AC	ALL			ALL			4572	Tuolumne	Mixed Use
02N14	MW	3.50	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.80	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Combined Use
03N01	MW	5.77	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	Mixed Use
03N01	MW	1.69	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
03N01	MW	1.58	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	Mixed Use
03N34Y	MW	3.21	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	Mixed Use
04N09	MW	0.30	GIS	HLO	HLO	BIT	ALL			ALL			4744	Hull Creek	Combined Use
04N25	MW	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4732	Pinecrest	Combined Use
04N33	MW	0.42	GIS	HLO	ALL	NAT				ALL			4744	Hull Creek	Mixed Use
05N01	SU	2.54	GIS	HLO	HLO	AGG	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.55	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.47	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
05N01	SU	2.61	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	Mixed Use
03N34Y	MW	0.75	GIS	HLO	ALL	NAT					HLO		4733	Cherry Lake N	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
06N11Y	CAL	0.81	GIS	ALL		NAT	ADM			ADM	ADM	4913	Boards Crossing	
06N71Y	CAL	1.35	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	0.37	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4924	Dorrington	
07N17B	CAL	0.57	GIS	ALL	ALL	AGG	ADM				ADM	4911	Tamarack	
07N57	CAL	0.29	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N58	CAL	1.77	GIS	ALL		NAT	ADM			ADM	ADM	4921	Garnet Hill	
07N60	CAL	0.40	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95	CAL	0.08	GIS	ALL		NAT	ADM			ADM	ADM	4912	Calaveras Dome	
07N95A	CAL	0.11	GIS	ALL	ALL	NAT	ADM			ADM	ADM	4912	Calaveras Dome	
01N09	GR	6.62	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S15Y	GR	3.14	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S15YB	GR	0.18	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S16A	GR	0.27	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S50	GR	0.43	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
01S58	GR	3.00	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
01S63Y	GR	2.26	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
01S63YA	GR	0.10	GIS	ALL	ALL	NAT	ADM				ADM	4571	Duckwall Mt	
02N87	GR	0.13	GIS	ALL	ALL	NAT	ADM				ADM	4562	Cherry Lake S	
02S04	GR	1.47	GIS	ALL	ALL	NAT	ADM				ADM	4563	Ascension Mt	
02S57	GR	0.29	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
02S57	GR	0.67	GIS	ALL	ALL	NAT	ADM				ADM	4391	Buckhorn Peak	
FR4898	GR	0.09	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR4898	GR	0.22	GIS	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
FR8602	GR	0.23	MAP	ALL	ALL	NAT	ADM				ADM	4574	Jawbone Ridge	
02N09	MW	0.14	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
02N09	MW	1.13	GIS	ALL	ALL	NAT	ADM				ADM	4572	Tuolumne	
06N24	SU	0.13	GIS	ALL	ALL	AGG	ADM				ADM	4903	Donnell Lake	
06N36Y	SU	1.12	GIS	ALL	ALL	NAT	ADM				ADM	4904	Dardanelle	
01N15Y	GR	0.53	GIS	ML1		AGG	ADM			ADM	ADM	4562	Cherry Lake S	
01N86	GR	1.19	GIS	ML1		NAT	ADM			ADM	ADM	4562	Cherry Lake S	
01S01	GR	2.95	GIS	ML1		NAT	ADM			t-4WD	ADM	4574	Jawbone Ridge	
01S23E	GR	0.16	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
01S28B	GR	0.59	GIS	ML1		NAT	ADM			ADM	ADM	4574	Jawbone Ridge	
05N40	CAL	0.15	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
07N08	CAL	2.52	GIS	HLO	HLO	NAT	ADM			ADM	ADM	4924	Dorrington	
02S07	GR	2.88	GIS	ML1		NAT	ALL			ALL	ALL	4574	Jawbone Ridge	
04N80Y	CAL	1.17	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	1.14	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.16	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
04N80Y	CAL	0.59	GIS	ALL	ALL	AGG	HLO			HLO	ML1	4751	Stanislaus	
05N02R	CAL	1.48	GIS	ALL	ALL	NAT	HLO			HLO	ML1	4913	Boards Crossing	
06N64	CAL	0.93	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4924	Dorrington	
06N94	CAL	1.68	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4914	Liberty Hill	
01N15	GR	1.09	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
01N97	GR	5.01	GIS	ALL	ALL	AGG	HLO				ML1	4562	Cherry Lake S	
01S01Y	GR	0.07	GIS	ALL		NAT	HLO			HLO	ML1	4563	Ascension Mt	
01S01Y	GR	0.59	GIS	ALL		NAT	ML1				ML1	4563	Ascension Mt	
01S01YA	GR	0.17	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S11Y	GR	1.44	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S15YA	GR	1.36	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S30B	GR	0.55	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S33	GR	1.72	GIS	ALL	ALL	NAT	ML1			HLO	ML1	4573	Groveland	
01S62	GR	1.42	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01S70	GR	1.10	GIS	ALL	ALL	NAT					ML1	4563	Ascension Mt	
01S70	GR	1.64	GIS	ALL		AGG					ML1	4563	Ascension Mt	
01S70A	GR	0.34	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
02S21Y	GR	0.30	GIS	ALL	ALL	NAT	t-ALL			t-ALL	ML1	4563	Ascension Mt	
02S65D	GR	0.22	GIS	ALL	ALL	NAT	ML1				ML1	4563	Ascension Mt	
01N58A	MW	0.40	GIS	ALL	ALL	NAT	ML1				ML1	4571	Duckwall Mt	
02N58	MW	0.80	GIS	ALL	ALL	NAT	ML1				ML1	4744	Hull Creek	
02N93	MW	1.02	GIS	ALL	ALL	NAT	ML1				ML1	4743	Twain Harte	
03N26YA	MW	0.11	GIS	ALL	ALL	NAT					ML1	4744	Hull Creek	
03N58	MW	0.29	GIS	ALL	ALL	NAT	t-MC			t-MC	ML1	4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
04N17D	MW	0.59	GIS	ALL	ALL	NAT	ML1			t-ALL	ML1	4742	Crandall Peak	
04N17E	MW	0.32	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N17F	MW	0.63	GIS	ALL	ALL	NAT	ML1				ML1	4742	Crandall Peak	
04N20YA	MW	0.20	GIS	ALL	ALL	NAT	ML1			ML1	ML1	4751	Stanislaus	
04N49Y	MW	0.16	GIS	ALL	ALL	NAT	ML1				ML1	4732	Pinecrest	
06N24	SU	0.32	GIS	ALL	ALL	AGG	ML1				ML1	4903	Donnell Lake	
04N26B	SU	0.78	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
04N47D	SU	0.19	GIS	ALL	ALL	NAT	HLO				HLO	4732	Pinecrest	
06N06C	SU	0.26	GIS	ALL	ALL	NAT	HLO				HLO	4903	Donnell Lake	
06N07Y	SU	0.08	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
06N08Y	SU	0.06	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
06N09Y	SU	0.04	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
06N12	SU	0.34	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
06N14	SU	0.37	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
06N16A	SU	0.21	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
06N36Y	SU	0.21	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
06N36Y	SU	0.04	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
06N37Y	SU	0.09	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
06N39Y	SU	0.10	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
06N47Y	SU	0.25	GIS	ALL	ALL	NAT	HLO				HLO	4904	Dardanelle	
06N82Y	SU	0.24	GIS	ALL	ALL	NAT	t-4WD				HLO	4904	Dardanelle	
07N13	SU	0.60	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
07N13A	SU	0.15	GIS	ALL		NAT	HLO				HLO	4901	Dardanelles Cone	
07N30Y	SU	0.23	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
07N30YA	SU	0.09	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
07N30YB	SU	0.09	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
62127C	SU	0.14	GIS	ALL	ALL	NAT	HLO				HLO	4893	Sonora Pass	
72032C	SU	0.05	GIS	ALL	ALL	NAT	HLO				HLO	4901	Dardanelles Cone	
FR14823	SU	0.25	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FR14833	SU	0.09	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
01S35YA	GR	0.39	GIS	ALL	ALL	NAT	HLO				HLO	4573	Groveland	
04N04Y	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N06	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
04N38	CAL	2.64	GIS	ALL	ALL	AC	HLO			HLO	HLO	4751	Stanislaus	
05N02B	CAL	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N02R	CAL	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14L	CAL	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N14M	CAL	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N35	CAL	1.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N35B	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51Y	CAL	1.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N51YA	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4751	Stanislaus	
05N53Y	CAL	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
05N56	CAL	0.01	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4924	Dorrington	
06N13X	CAL	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N29Y	CAL	0.98	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
06N40	CAL	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N44	CAL	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4923	Fort Mt	
06N60Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
06N80	CAL	0.05	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
06N81Y	CAL	0.46	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81Y	CAL	0.26	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N81YA	CAL	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
06N82	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4913	Boards Crossing	
07N01C	CAL	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01E	CAL	0.36	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N01G	CAL	0.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02	CAL	2.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N02Y	CAL	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4922	Devils Nose	
07N08	CAL	2.57	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N08	CAL	1.94	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
07N08	CAL	0.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4924	Dorrington	
07N16X	CAL	1.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N17	CAL	2.79	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N17	CAL	2.24	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N18Y	CAL	0.90	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N29Y	CAL	3.96	GIS	ALL	ALL	AGG	HLO				HLO	4911	Tamarack	
07N38	CAL	0.75	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N40Y	CAL	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N55	CAL	1.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55A	CAL	0.59	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N55Y	CAL	0.40	GIS	ALL	ALL	NAT	HLO				HLO	4902	Spicer Mdw Res	
07N58	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
07N70	CAL	0.77	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N75C	CAL	0.49	GIS	ALL	ALL	NAT	HLO				HLO	4911	Tamarack	
07N77	CAL	0.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N82	CAL	0.95	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N82A	CAL	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N93	CAL	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4911	Tamarack	
07N94	CAL	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
07N94A	CAL	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
08N01A	CAL	0.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N04	CAL	0.23	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
08N13	CAL	0.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
08N14	CAL	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR10831	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR11116	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR12088	CAL	0.11	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12476	CAL	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR12477	CAL	0.37	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR5219	CAL	0.03	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR7181	CAL	0.16	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR8080	CAL	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4921	Garnet Hill	
FR8319	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.48	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8319	CAL	0.05	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4912	Calaveras Dome	
FR8322	CAL	0.08	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8323	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5063	Pacific Valley	
FR8925	CAL	0.04	MAP	ALL	ALL	AC	HLO			HLO	HLO	4911	Tamarack	
FR9330	CAL	0.11	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4902	Spicer Mdw Res	
FR9331	CAL	0.33	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4901	Dardanelles Cone	
FS83231	CAL	0.06	MAP	ALL	ALL	NAT	HLO			HLO	HLO	5064	Ebbetts Pass	
01N04	GR	5.14	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	0.50	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N07Y	GR	1.07	GIS	ALL	ALL	NAT	HLO				HLO	4562	Cherry Lake S	
01N10	GR	5.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N10	GR	6.62	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01N10A	GR	0.53	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N14	GR	1.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N14	GR	2.72	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14A	GR	0.82	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N14F	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N23	GR	1.98	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
01N40Y	GR	1.91	GIS	ALL	ALL	AGG	HLO				HLO	4562	Cherry Lake S	
01N45Y	GR	0.48	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4562	Cherry Lake S	
01N60	GR	0.76	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N60A	GR	0.35	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.74	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.97	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N76	GR	0.67	GIS	ALL	ALL	NAT	HLO				HLO	4571	Duckwall Mt	
01N88	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01S01YB	GR	0.66	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S05Y	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
01S06	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.37	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S06B	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S12	GR	2.25	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4381	EI Portal	
01S13	GR	0.70	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4574	Jawbone Ridge	
01S13Y	GR	1.22	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S15Y	GR	0.14	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16B	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S16Y	GR	1.87	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S17	GR	2.68	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17	GR	0.04	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17A	GR	0.56	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S17D	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S19Y	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S20Y	GR	0.65	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4561	Lake Eleanor	
01S23Y	GR	0.67	GIS	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01S26	GR	2.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26	GR	2.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26C	GR	0.69	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S26E	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S27Y	GR	0.84	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.63	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S30	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S30	GR	1.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39Y	GR	0.89	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S39YA	GR	0.10	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S51	GR	2.24	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S52	GR	0.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S53	GR	1.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S55Y	GR	0.17	GIS	ALL	ALL	AC	HLO			HLO	HLO	4573	Groveland	
01S55Y	GR	1.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S57	GR	1.96	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
01S63	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S81	GR	1.90	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S81Y	GR	1.00	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
01S82	GR	1.39	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4563	Ascension Mt	
01S96	GR	1.52	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
01S96A	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02N04	GR	1.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4744	Hull Creek	
02N04	GR	0.22	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
02S01	GR	0.79	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.07	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	0.67	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	1.26	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4564	Ackerson Mt	
02S01	GR	7.71	GIS	ALL		NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01A	GR	0.92	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01C	GR	0.39	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S01G	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S01G	GR	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4564	Ackerson Mt	
02S04Y	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S04YA	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S07Y	GR	1.45	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S08	GR	3.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S09Y	GR	1.12	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S11Y	GR	0.76	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S13	GR	0.91	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S13	GR	2.75	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S17Y	GR	1.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S18A	GR	0.55	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
02S18Y	GR	1.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S20	GR	1.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S21	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	1.54	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	3.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S21	GR	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S22Y	GR	1.15	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S23	GR	1.64	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S23	GR	1.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4392	Coulterville	
02S24	GR	0.47	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S24Y	GR	0.32	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S30A	GR	0.18	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S30B	GR	0.34	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S34	GR	0.24	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S40Y	GR	0.51	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
01S43	GR	0.25	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S35	GR	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S37	GR	1.60	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4573	Groveland	
02S44	GR	1.49	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S45	GR	1.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S47	GR	0.27	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S50Y	GR	0.73	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
02S52	GR	0.35	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S53A	GR	0.09	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56	GR	1.13	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S56A	GR	0.21	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S58	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4391	Buckhorn Peak	
02S83	GR	1.83	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S83B	GR	0.38	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S84	GR	0.50	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4381	El Portal	
02S86	GR	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
02S97	GR	0.63	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4382	Kinsley	
02S97	GR	0.40	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
03N01C	GR	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
03N01P	GR	0.44	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
03N01P	GR	0.61	GIS	ALL	ALL	NAT	t-4WD			HLO	HLO	4562	Cherry Lake S	
03N01Q	GR	0.20	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4562	Cherry Lake S	
21904B	GR	0.06	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4563	Ascension Mt	
FR7856	GR	0.14	MAP	ALL	ALL	NAT	HLO			HLO	HLO	4574	Jawbone Ridge	
FR8445	GR	0.05	MAP	ALL	ALL	AC	HLO			HLO	HLO	4562	Cherry Lake S	
01N01J	MW	0.28	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4572	Tuolumne	
01N03	MW	0.01	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4572	Tuolumne	
01N16	MW	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4571	Duckwall Mt	
01N33	MW	0.73	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4572	Tuolumne	
02N03Y	MW	0.79	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.04	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.29	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.16	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.02	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.08	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.03	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N03Y	MW	0.58	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N03YA	MW	0.31	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N07	MW	0.92	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4743	Twain Harte	
02N08	MW	0.42	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4572	Tuolumne	
02N08	MW	0.43	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4572	Tuolumne	
02N08	MW	0.30	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4572	Tuolumne	
02N08A	MW	0.29	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4572	Tuolumne	
02N09A	MW	0.36	GIS	ALL	ALL	AGG	HLO			HLO	HLO	4743	Twain Harte	
02N09D	MW	0.19	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	
02N09D	MW	0.11	GIS	ALL	ALL	NAT	HLO			HLO	HLO	4743	Twain Harte	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02N10	MW	1.17	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
02N10	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	1.77	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N10	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N13Y	MW	0.26	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N13Y	MW	0.85	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N26	MW	0.47	GIS	ALL	ALL	AC	HLO					HLO	4743	Twain Harte	
02N26	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N26	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N32Y	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N34	MW	2.63	GIS	ALL	ALL	AGG	HLO					HLO	4572	Tuolumne	
02N34A	MW	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34B	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N34C	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39	MW	0.86	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N39A	MW	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.65	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44	MW	1.60	GIS	ALL	ALL	NAT	HLO					HLO	4572	Tuolumne	
02N44A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4571	Duckwall Mt	
02N63A	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N63B	MW	0.15	MAO	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75	MW	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N75A	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
02N81	MW	2.08	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N81A	MW	0.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
02N88	MW	1.35	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
02N88A	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N01D	MW	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N01H	MW	0.95	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01J	MW	0.81	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N01L	MW	0.38	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01M	MW	0.63	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N01U	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N02	MW	0.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03	MW	3.43	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03B	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N03C	MW	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N04	MW	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N06Y	MW	0.02	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N06Y	MW	0.89	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N07	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N10Y	MW	0.57	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N10YA	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	5.13	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.61	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11A	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11B	MW	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11C	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N11D	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12	MW	3.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N12A	MW	1.11	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N12B	MW	1.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N14	MW	0.89	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.34	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N14	MW	0.13	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N15	MW	3.56	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N16	MW	3.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N16	MW	1.32	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N17Y	MW	1.30	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N18	MW	2.57	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20Y	MW	2.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N20YB	MW	0.11	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YC	MW	0.81	GIS	ALL	ALL	NAT	HLO					HLO	4733	Cherry Lake N	
03N20YD	MW	0.84	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N20YD	MW	0.50	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22	MW	1.85	GIS	ALL	ALL	AGG						HLO	4733	Cherry Lake N	
03N22A	MW	1.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N22Y	MW	0.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N24	MW	4.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N24D	MW	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N25	MW	1.43	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27	MW	2.85	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27	MW	1.60	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27A	MW	1.03	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27B	MW	0.34	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	2.06	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27C	MW	0.65	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27Y	MW	1.20	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N27YA	MW	0.40	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N28	MW	2.26	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N29A	MW	0.70	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N29C	MW	1.05	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
03N30	MW	1.75	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N30	MW	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N32Y	MW	2.18	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N32YA	MW	0.28	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N34	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N34A	MW	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N34Y	MW	0.75	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N38	MW	0.04	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N39	MW	3.16	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N40	MW	0.23	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N41	MW	1.68	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4744	Hull Creek	
03N44	MW	1.62	GIS	ALL	ALL	NAT	HLO					HLO	4753	Columbia	
03N45	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N45YA	MW	0.54	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N46	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N46Y	MW	0.80	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N48	MW	2.30	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
03N48	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48A	MW	0.53	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N48B	MW	0.80	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N50	MW	0.91	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
03N50	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N53	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N59	MW	0.52	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N59A	MW	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N68	MW	1.71	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N68Y	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4754	Columbia SE	
03N69	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	0.82	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N69	MW	3.83	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N69A	MW	0.61	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4743	Twain Harte	
03N69Y	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N69Y	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
03N70A	MW	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.64	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N71	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N72	MW	1.43	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N73	MW	2.05	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N73B	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N75Y	MW	0.32	GIS	ALL	ALL	NAT						HLO	4733	Cherry Lake N	
03N77	MW	0.56	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N84	MW	0.47	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N87	MW	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N87	MW	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
03N89	MW	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N90	MW	3.77	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N91	MW	0.17	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N91	MW	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
03N92	MW	0.88	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N92	MW	0.30	GIS	ALL	ALL	AGG	HLO					HLO	4744	Hull Creek	
03N95	MW	1.12	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N95A	MW	0.56	GIS	ALL	ALL	NAT	HLO					HLO	4744	Hull Creek	
03N99	MW	1.50	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.15	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
03N99	MW	0.87	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N01	MW	2.26	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N01	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	2.32	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N01	MW	0.41	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01	MW	0.52	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N01A	MW	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01B	MW	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N01C	MW	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N01Y	MW	0.59	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N02	MW	0.54	GIS	ALL	ALL	NAT	HLO					HLO	4743	Twain Harte	
04N02	MW	1.07	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.16	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N02	MW	0.17	GIS	ALL	ALL	AGG	HLO					HLO	4743	Twain Harte	
04N04	MW	2.29	GIS	ALL	ALL	AGG	HLO					HLO	4751	Stanislaus	
04N04	MW	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04	MW	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04A	MW	0.77	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N04C	MW	1.10	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05	MW	1.25	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N05B	MW	0.01	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N11	MW	4.94	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	MW	1.02	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N15Y	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16Y	MW	0.62	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N16YA	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N17	MW	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N17	MW	0.28	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N18	MW	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N20Y	MW	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N32	MW	2.00	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N32A	MW	0.88	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32C	MW	0.42	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N35Y	MW	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N49Y	MW	1.23	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50Y	MW	2.01	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50Y	MW	1.57	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N50YC	MW	1.10	GIS	ALL	ALL	NAT						HLO	4732	Pinecrest	
04N61A	MW	0.69	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N69	MW	1.63	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N72Y	MW	0.93	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
04N72YA	MW	0.25	GIS	ALL	ALL	NAT						HLO	4741	Strawberry	
04N74	MW	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N75	MW	1.80	GIS	ALL	ALL	NAT	HLO					HLO	4751	Stanislaus	
04N78	MW	2.86	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N90	MW	4.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N95	MW	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N98	MW	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N02Y	SU	1.86	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N06YA	SU	0.07	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10	SU	2.43	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N10A	SU	0.82	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N10B	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N11	SU	2.38	GIS	ALL	ALL	AGG	HLO					HLO	4732	Pinecrest	
04N12Q	SU	0.17	MAP	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N13	SU	0.34	GIS	ALL	ALL	AC	HLO					HLO	4741	Strawberry	
04N13	SU	2.08	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N24	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N25A	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N26C	SU	0.35	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N27Y	SU	0.84	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31	SU	0.79	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N31A	SU	0.36	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N32	SU	0.60	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
04N33	SU	1.75	GIS	ALL	ALL	BIT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.44	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	1.22	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N34	SU	2.27	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N35Y	SU	2.04	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N47	SU	4.03	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N47Y	SU	1.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N51Y	SU	0.51	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N54	SU	1.17	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N55	SU	0.71	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N57A	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N65	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N67	SU	0.32	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N67A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N68Y	SU	1.52	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N70	SU	1.51	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
04N71	SU	1.13	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N71A	SU	0.58	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
04N73	SU	0.78	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N76Y	SU	0.23	GIS	ALL	ALL	NAT	HLO					HLO	4742	Crandall Peak	
04N76Y	SU	0.37	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N77Y	SU	0.38	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78Y	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YA	SU	0.34	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N78YB	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.43	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.14	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
04N91	SU	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02C	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02C	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N02D	SU	0.21	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02F	SU	0.24	GIS	ALL	ALL	AGG	HLO					HLO	4741	Strawberry	
05N02H	SU	0.22	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.19	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N02L	SU	0.13	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N04	SU	0.30	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N14D	SU	0.66	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N17Y	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
05N26Y	SU	1.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N29Y	SU	0.76	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N29Y	SU	0.18	GIS	ALL	ALL	NAT	HLO					HLO	4741	Strawberry	
05N44	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.27	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.20	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.06	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N44	SU	0.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N59	SU	1.03	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N73Y	SU	0.29	GIS	ALL	ALL	NAT	HLO					HLO	4732	Pinecrest	
05N85Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N85YA	SU	0.90	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
05N93	SU	1.44	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N06A	SU	0.31	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.09	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B	SU	0.05	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06B1	SU	0.27	MAP	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N06F	SU	0.08	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N19	SU	0.48	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N19A	SU	0.15	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N24	SU	0.49	GIS	ALL	ALL	AGG	HLO					HLO	4903	Donnell Lake	
06N24A	SU	0.19	GIS	ALL	ALL	AGG	HLO			HLO		HLO	4903	Donnell Lake	
06N30	SU	0.72	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N30A	SU	0.10	GIS	ALL	ALL	NAT	HLO					HLO	4914	Liberty Hill	
06N33Y	SU	0.92	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34Y	SU	2.91	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N34YD	SU	0.25	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N44Y	SU	0.12	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
06N45Y	SU	0.26	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
41899Z21	SU	0.08	MAP	ALL	ALL	AC	HLO			HLO		HLO	4732	Pinecrest	
51913A1	SU	0.06	MAP	ALL	ALL	NAT	HLO					HLO	4904	Dardanelle	
61919A	SU	0.16	GIS	ALL	ALL	NAT	HLO					HLO	4903	Donnell Lake	
61932B	SU	0.05	MAP	ALL	ALL	NAT	HLO			HLO		HLO	4903	Donnell Lake	
FR12607	SU	0.19	MAP	ALL	ALL	AC	HLO			HLO		HLO	4741	Strawberry	
01S35Y	GR	1.32	GIS	ALL	ALL	NAT	HLO			HLO		HLO	4573	Groveland	
01S36Y	GR	0.50	GIS	ALL	ALL	NAT	HLO					HLO	4573	Groveland	
07N49Y	CAL	0.36	GIS	ML1	HLO	NAT	HLO			ALL		HLO	4911	Tamarack	
02S53	GR	0.97	GIS	ML1	HLO	NAT	HLO			ALL		HLO	4391	Buckhorn Peak	
02S53	GR	0.11	GIS	ML1	HLO	NAT	HLO			ALL		HLO	4391	Buckhorn Peak	
01N01	MW	5.77	GIS	ALL	ALL	NAT						t-ALL	4571	Duckwall Mt	
06N27	CAL	1.53	GIS	ML1	ALL	NAT	t-ALL			t-ALL		t-ALL	4914	Liberty Hill	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS
				SYS	USE	SUR	1	2	3	4	5	#	NAME	
06N27	CAL	3.23	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4914	Liberty Hill	
03N48Y	MW	0.75	GIS	ML1	ALL	NAT	t-ALL			t-ALL	t-ALL	4744	Hull Creek	
03N08Y	MW	0.49	GIS	ML1	ALL	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N60	MW	1.33	GIS	ML1	ATV	NAT	t-ATV			t-ATV	t-ATV	4744	Hull Creek	
03N01Y	MW	1.69	GIS	ALL	MC	NAT	t-MC			t-MC	t-MC	4743	Twain Harte	
07N09A	CAL	0.86	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09C	CAL	0.62	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09D	CAL	0.16	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09E	CAL	0.29	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09F	CAL	0.13	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09G	CAL	0.12	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09H	CAL	0.54	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N09J	CAL	0.26	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.05	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.43	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	0.01	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N22	CAL	1.03	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87	CAL	1.70	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.14	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87A	CAL	0.20	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
07N87B	CAL	0.11	GIS	ALL	ALL	NAT	t-4WD			t-4WD	t-4WD	4912	Calaveras Dome	
61931B04	SU	0.06	MAP	ALL	ALL	NAT	t-4WD			t-4WD		4903	Donnell Lake	
02N82	GR	1.33	GIS	ALL	ALL	NAT				t-ALL		4733	Cherry Lake N	
06N17A	CAL	0.46	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17A	CAL	0.09	MAP	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17B	CAL	0.65	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17D	CAL	0.35	GIS	ML1		NAT	t-ALL			t-ALL		4913	Boards Crossing	
06N17J	CAL	0.52	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
06N17P	CAL	0.41	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4911	Tamarack	
06N66YB	CAL	0.82	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N76YA	CAL	0.25	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80Y	CAL	0.78	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N80YA	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85	CAL	0.72	GIS	ML1	ALL	NAT	t-ALL			t-ALL		4914	Liberty Hill	
06N85A	CAL	0.39	GIS	ML1		NAT	t-ALL			t-ALL		4914	Liberty Hill	
07N09B	CAL	0.45	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N09W	CAL	0.24	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N14C	CAL	0.47	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N16A	CAL	0.20	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N17A	CAL	0.08	GIS	ML1		NAT	t-4WD			t-ALL		4911	Tamarack	
07N18YC	CAL	0.32	GIS	ML1		NAT	t-4WD			t-4WD		4912	Calaveras Dome	
07N19X	CAL	0.11	GIS	ML1		NAT	t-ALL			t-ALL		4911	Tamarack	
07N48A	CAL	0.22	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
07N56YA	CAL	0.71	GIS	ML1		NAT	t-ALL			t-ALL		4912	Calaveras Dome	
01N01C	GR	0.19	GIS	ML1		NAT	t-ALL			t-ALL		4562	Cherry Lake S	
01N01D	GR	0.50	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N04A	GR	0.44	GIS	ML1		AGG	t-4WD			t-ALL		4562	Cherry Lake S	
01N04C	GR	0.91	GIS	ML1		NAT	t-4WD			t-ALL		4733	Cherry Lake N	
01N07A	GR	0.80	GIS	ML1		NAT	t-4WD			t-ALL		4563	Ascension Mt	
01N10B	GR	0.16	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N14B	GR	0.96	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N14E	GR	0.54	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N32Y	GR	1.03	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N33Y	GR	0.29	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N34	GR	1.24	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N34A	GR	0.93	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N37	GR	1.43	GIS	ML1	ALL	NAT	ALL			ALL		4571	Duckwall Mt	
01N40Y	GR	0.62	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	
01N45	GR	1.73	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N69	GR	1.14	GIS	ML1		NAT	t-ALL			t-ALL		4571	Duckwall Mt	
01N81	GR	0.72	GIS	ML1		NAT	t-4WD			t-ALL		4562	Cherry Lake S	
01N91	GR	0.58	GIS	ML1		NAT	t-4WD			t-ALL		4571	Duckwall Mt	
01N97E	GR	0.64	GIS	ML1	ALL	NAT				t-ALL		4562	Cherry Lake S	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
01S01YC	GR	0.13	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S03A	GR	0.63	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S04	GR	1.28	GIS	ML1	ALL	AGG	ALL				t-ALL		4563	Ascension Mt	
01S04	GR	0.51	GIS	ML1	ALL	AGG	ALL				t-ALL		4563	Ascension Mt	
01S05A	GR	0.65	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S11C	GR	0.68	GIS	ML1		NAT	t-ALL				t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL				t-ALL		4564	Ackerson Mt	
01S11C	GR	0.08	GIS	ML1		NAT	t-ALL				t-ALL		4564	Ackerson Mt	
01S11C	GR	0.07	GIS	ML1		NAT	t-ALL				t-ALL		4564	Ackerson Mt	
01S11C	GR	0.22	GIS	ML1		NAT	t-ALL				t-ALL		4564	Ackerson Mt	
01S11D	GR	0.98	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
01S14K	GR	0.17	GIS	ML1	ALL	NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
01S14L	GR	0.58	GIS	ML1	ALL	NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
01S15C	GR	0.57	GIS	ML1		NAT	t-4WD				t-ALL		4574	Jawbone Ridge	
01S20	GR	0.30	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S23C	GR	0.27	GIS	ML1		NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
01S26A	GR	0.20	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S26B	GR	0.41	GIS	ML1	ALL	NAT					t-ALL		4563	Ascension Mt	
01S27	GR	0.80	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S29A	GR	0.24	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
01S30A	GR	0.24	GIS	ML1		NAT	t-4WD				t-ALL		4574	Jawbone Ridge	
01S32A	GR	0.50	GIS	ML1		NAT	t-ALL				t-ALL		4561	Lake Eleanor	
01S35Y	GR	1.00	GIS	ML1		NAT					t-4WD		4573	Groveland	
01S39	GR	0.80	GIS	ML1		NAT					t-ALL		4573	Groveland	
01S39YB	GR	0.38	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S42	GR	1.03	GIS	ML1		NAT					t-ALL		4573	Groveland	
01S45Y	GR	0.04	GIS	ML1		NAT	ALL				ALL		4574	Jawbone Ridge	
01S45Y	GR	0.35	GIS	ML1		NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
01S46	GR	0.25	GIS	ML1		NAT	t-4WD				t-4WD		4574	Jawbone Ridge	
01S51A	GR	0.77	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S51B	GR	0.71	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S52Y	GR	0.49	GIS	ML1		NAT	t-4WD				t-4WD		4574	Jawbone Ridge	
01S54Y	GR	0.50	GIS	ML1		NAT	t-ALL				t-ALL		4574	Jawbone Ridge	
01S56Y	GR	0.60	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S57B	GR	1.45	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S57Y	GR	0.66	GIS	ML1		NAT	t-4WD				t-4WD		4564	Ackerson Mt	
01S59	GR	0.87	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S60Y	GR	0.51	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
01S61Y	GR	0.26	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S61YA	GR	0.55	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S65Y	GR	0.45	GIS	ML1		NAT	t-4WD				t-4WD		4563	Ascension Mt	
01S66Y	GR	0.49	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
01S73Y	GR	2.12	GIS	ML1	ALL	NAT	ALL				ALL		4574	Jawbone Ridge	
01S79	GR	2.51	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
01S79	GR	0.19	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S79	GR	0.12	GIS	ML1	ATV	NAT	t-ATV				t-ATV		4563	Ascension Mt	
01S81A	GR	0.59	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
01S86	GR	2.77	GIS	ML1	HLO	NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S86B	GR	0.57	GIS	ML1		NAT	t-4WD				t-ALL		4563	Ascension Mt	
01S97	GR	0.90	GIS	ML1		NAT	t-4WD				t-4WD		4564	Ackerson Mt	
02N64	GR	0.71	GIS	ML1		NAT	t-ALL				t-ALL		4744	Hull Creek	
02S05C	GR	0.98	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S07A	GR	0.66	GIS	ML1		NAT					t-ALL		4563	Ascension Mt	
02S09A	GR	1.64	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S10Y	GR	0.88	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S11C	GR	1.04	GIS	ML1		NAT					t-ALL		4391	Buckhorn Peak	
02S12Y	GR	0.45	GIS	ML1		NAT	HLO				HLO		4574	Jawbone Ridge	
02S12YA	GR	0.28	GIS	ML1		NAT	HLO				HLO		4574	Jawbone Ridge	
02S20C	GR	0.37	GIS	ML1		NAT	t-ALL				t-ALL		4381	EI Portal	
02S20Y	GR	2.33	GIS	ML1		NAT					t-ALL		4574	Jawbone Ridge	
02S21Y	GR	1.53	GIS	ML1		NAT	t-ALL				t-ALL		4563	Ascension Mt	
02S22	GR	0.73	GIS	ML1		NAT					t-ALL		4382	Kinsley	
02S23YA	GR	0.73	GIS	ML1		NAT	t-ALL				t-ALL		4564	Ackerson Mt	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
02S26	GR	1.48	GIS	ML1		NAT				t-ALL			4382	Kinsley	
02S37YB	GR	0.74	GIS	ML1		NAT	t-ALL			t-ALL			4381	El Portal	
02S39B	GR	0.85	GIS	ML1		NAT	t-ALL			t-ALL			4574	Jawbone Ridge	
02S41	GR	1.60	GIS	ML1		NAT	ALL			ALL			4574	Jawbone Ridge	
02S43	GR	1.40	GIS	ML1		NAT	t-4WD			t-4WD			4391	Buckhorn Peak	
02S59A	GR	0.50	GIS	ML1		NAT				t-ALL			4391	Buckhorn Peak	
02S59B	GR	1.35	GIS	ML1		NAT				t-ALL			4391	Buckhorn Peak	
02S64C	GR	0.73	GIS	ML1		NAT	t-ALL			t-ALL			4563	Ascension Mt	
02S68	GR	1.81	GIS	ML1		NAT	ALL			ALL			4563	Ascension Mt	
02S74	GR	1.37	GIS	ML1		NAT				t-ALL			4381	El Portal	
02S74A	GR	1.73	GIS	ML1		NAT				t-ALL			4381	El Portal	
02S82	GR	0.34	GIS	ML1		NAT	t-4WD			t-ALL			4381	El Portal	
02S93C	GR	0.36	GIS	ML1		NAT	t-ALL			t-ALL			4563	Ascension Mt	
03S06	GR	0.66	GIS	ML1		NAT				t-ALL			4391	Buckhorn Peak	
02N03YB	MW	0.18	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
02N03YB	MW	0.43	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
02N07D	MW	0.05	GIS	ML1		NAT	t-ALL			t-ALL			4743	Twain Harte	
03N01W	MW	0.22	GIS	ML1	ALL	NAT				t-ALL			4744	Hull Creek	
03N24A	MW	0.09	GIS	ML1		NAT				t-ALL			4743	Twain Harte	
03N26YB	MW	0.14	GIS	ML1	ALL	NAT	ALL			ALL			4744	Hull Creek	
03N26YB	MW	0.15	GIS	ML1	ALL	NAT	ALL			t-ATV			4744	Hull Creek	
03N43A	MW	0.55	GIS	ML1		NAT				t-ALL			4744	Hull Creek	
03N71Y	MW	1.30	GIS	ML1	MC	NAT	t-MC			t-MC			4742	Crandall Peak	
03N71Y	MW	0.28	GIS	ML1	MC	NAT	t-MC			t-MC			4742	Crandall Peak	
04N09	MW	0.62	GIS	ML1	ALL	NAT	ALL			ALL			4732	Pinecrest	
04N09	MW	0.04	GIS	ML1	ALL	NAT	t-ALL			t-ALL			4732	Pinecrest	
04N09	MW	0.27	GIS	ML1		NAT				t-ALL			4732	Pinecrest	
04N09	MW	0.76	GIS	ML1		NAT				t-MC			4732	Pinecrest	
04N49YA	MW	0.13	GIS	ML1		NAT	t-4WD			t-ALL			4732	Pinecrest	
05N14	CAL	0.55	GIS	HLO	HLO	AGG	ALL			ALL			4913	Boards Crossing	
05N14	CAL	0.53	GIS	HLO	HLO	AGG	ALL			ALL			4913	Boards Crossing	
05N14	CAL	3.25	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
05N14	CAL	1.12	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	
05N14	CAL	0.02	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	
05N14	CAL	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	
05N14	CAL	0.34	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	
05N14	CAL	0.60	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	
05N14	CAL	4.62	GIS	HLO	HLO	NAT	ALL			ALL			4914	Liberty Hill	
06N58	CAL	0.03	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N58	CAL	0.79	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N58	CAL	0.46	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N58	CAL	0.08	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N58	CAL	0.36	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N58	CAL	0.70	GIS	HLO	HLO	NAT	ALL			ALL			4924	Dorrington	
06N58	CAL	0.18	GIS	HLO	HLO	NAT	ALL			ALL			4924	Dorrington	
06N58	CAL	1.74	GIS	HLO	HLO	NAT	ALL			ALL			4924	Dorrington	
06N58	CAL	0.90	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N58	CAL	0.25	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N58	CAL	0.12	GIS	HLO	HLO	NAT	ALL			ALL			4913	Boards Crossing	
06N62	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N01	CAL	0.09	GIS	HLO	HLO	AC				ALL			4911	Tamarack	
07N05	CAL	0.53	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	0.84	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	1.13	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	2.23	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	0.48	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	1.09	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	0.01	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	0.59	GIS	HLO	HLO	NAT	ALL			ALL			4912	Calaveras Dome	
07N09	CAL	2.94	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N28	CAL	0.91	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N28	CAL	1.35	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	

ROUTE	RD	MI	SRC	EXISTING			ALTERNATIVE					QUAD		COMMENTS	
				SYS	USE	SUR	1	2	3	4	5	#	NAME		
07N28	CAL	0.96	GIS	HLO	HLO	AGG	ALL			ALL			4912	Calaveras Dome	
07N75	CAL	1.84	GIS	HLO	HLO	AGG				ALL			4911	Tamarack	
01N01	GR	7.77	GIS	HLO	HLO	AGG	ALL			ALL			4571	Duckwall Mt	
01N01	GR	0.36	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	
01N01	GR	0.03	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	
01N01	GR	0.43	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	
01S03	GR	0.01	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	
01S03	GR	0.68	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	
01S03	GR	2.33	GIS	HLO	HLO	AGG	ALL			ALL			4564	Ackerson Mt	
01S03	GR	0.91	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	
02N05	GR	0.83	GIS	HLO	HLO	NAT	ALL			ALL			4733	Cherry Lake N	
02N14	GR	1.81	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	
02N14	GR	2.57	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	
02S02	GR	5.35	GIS	HLO	HLO	AGG	ALL			ALL			4563	Ascension Mt	
02S02	GR	0.10	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	
02S02	GR	2.37	GIS	HLO	HLO	AGG	ALL			ALL			4382	Kinsley	
02S30	GR	1.11	GIS	HLO	HLO	BIT	ALL			ALL			4563	Ascension Mt	
03N01	GR	0.57	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	
03N01	GR	0.86	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	
03N01	GR	0.30	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	
03N01	GR	0.31	GIS	HLO	HLO	AC	ALL			ALL			4571	Duckwall Mt	
03N01	GR	0.60	GIS	HLO	HLO	AC	ALL			ALL			4562	Cherry Lake S	
03N01	GR	2.24	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	
01N01	MW	0.02	GIS	HLO	HLO	NAT	ALL			ALL			4572	Tuolumne	
01N01	MW	8.47	GIS	HLO	HLO	AC	ALL			ALL			4572	Tuolumne	
02N14	MW	3.50	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	
03N01	MW	1.80	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	
03N01	MW	5.77	GIS	HLO	HLO	AGG	ALL			ALL			4744	Hull Creek	
03N01	MW	1.69	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	
03N01	MW	1.58	GIS	HLO	HLO	AGG				ALL			4733	Cherry Lake N	
03N34Y	MW	3.21	GIS	HLO	HLO	AGG	ALL			ALL			4733	Cherry Lake N	
04N09	MW	0.30	GIS	HLO	HLO	BIT	ALL			ALL			4744	Hull Creek	
04N25	MW	0.44	GIS	HLO	HLO	AGG	ALL			ALL			4732	Pinecrest	
04N33	MW	0.42	GIS	HLO	ALL	NAT				ALL			4744	Hull Creek	
05N01	SU	2.54	GIS	HLO	HLO	AGG	ALL			ALL			4904	Dardanelle	
05N01	SU	0.55	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	
05N01	SU	0.47	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	
05N01	SU	0.71	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	
05N01	SU	2.61	GIS	HLO	HLO	NAT	ALL			ALL			4904	Dardanelle	
719.69															

Change Existing NFTS					
	Alternatives				
	1	2	3	4	5
Convert to Trail	63.06	0.00	0.00	99.86	22.90
Closed to Open	67.96	0.00	0.00	101.83	3.93
Closed to ADM	5.42	0.00	0.00	2.47	1.24
Open to Closed	45.98	0.00	0.00	10.66	65.60
HLO to ALL	93.59	0.00	0.00	99.76	0.00
ALL to HLO	400.49	0.00	0.00	145.76	441.10
ALL to Trail	9.84	0.00	0.00	10.84	19.72
	623.28	0.00	0.00	371.32	531.59

Add NFTS Facilities						
Baseline						
			UNR	UNT		TOTAL
CAL			2.03	25.75		27.78
GR			14.99	54.97		69.95
MW			11.05	141.70		152.76
			28.07	222.42		250.49
Alternative 1						
	ALL	ATV	MC	PER	4WD	TOTAL
CAL	3.26	2.66	3.28	0.00	2.94	12.14
GR	16.15	8.16	0.60	0.00	7.69	32.61
MW	29.27	26.29	50.84	1.38	4.86	112.64
	48.68	37.11	54.72	1.38	15.50	157.39
Alternative 4						
	ALL	ATV	MC	PER	4WD	TOTAL
CAL	3.34	2.66	3.28	0.00	3.63	12.91
GR	20.93	8.16	0.60	0.00	7.52	37.21
MW	35.69	38.04	53.32	1.38	3.18	131.60
	59.96	48.86	57.20	1.38	14.32	181.72
Alternative 5						
	ALL	ATV	MC	PER	4WD	TOTAL
CAL	0.04	0.52	0.00	0.00	1.74	2.30
GR	4.92	0.00	0.00	0.00	0.00	4.92
MW	5.64	5.14	11.89	0.54	1.07	24.28
	10.61	5.66	11.89	0.54	2.81	31.51

Change Existing NFTS									
Alternative 1									
	ADM	ALL	ML1	HLO	t-ALL	t-ATV	t-MC	t-4WD	TOTAL
CAL	8.42	32.23	2.61	51.04	12.27	0.00	0.00	7.50	114.07
GR	24.52	40.95	8.90	133.96	13.62	0.12	0.00	22.90	244.97
MW	1.27	26.11	4.11	151.51	0.84	1.82	3.56	0.13	189.35
SU	1.24	6.88	0.32	66.15	0.00	0.00	0.00	0.30	74.90
	35.46	106.16	15.94	402.66	26.73	1.94	3.56	30.83	623.28
	ADM	ALL	ML1	HLO	t-ALL	t-ATV	t-MC	t-4WD	TOT
ALL	27.37	0.00	15.94	400.49	0.30	0.00	1.98	7.56	453.65
ML1	5.42	12.57	0.00	2.17	26.43	1.94	1.58	23.27	73.38
HLO	2.66	93.59	0.00	0.00	0.00	0.00	0.00	0.00	96.26
	35.46	106.16	15.94	402.66	26.73	1.94	3.56	30.83	623.28
Alternative 4									
	ADM	ALL	ML1	HLO	t-ALL	t-ATV	t-MC	t-4WD	TOTAL
CAL	7.85	34.52	2.61	39.06	12.35	0.00	0.00	7.42	103.80
GR	2.47	42.48	0.00	104.29	61.16	0.12	0.00	9.23	219.76
MW	0.00	27.96	0.20	2.29	3.29	1.97	4.32	0.00	40.03
SU	0.00	6.88	0.00	0.84	0.00	0.00	0.00	0.00	7.72
	10.32	111.84	2.81	146.49	76.81	2.09	4.32	16.65	371.32
	ADM	ALL	ML1	HLO	t-ALL	t-ATV	t-MC	t-4WD	TOT
ALL	5.18	0.00	2.81	145.76	2.21	0.00	1.98	6.65	164.59
ML1	2.47	12.08	0.00	0.73	74.60	2.09	2.34	10.00	104.30
HLO	2.66	99.76	0.00	0.00	0.00	0.00	0.00	0.00	102.43
	10.32	111.84	2.81	146.49	76.81	2.09	4.32	16.65	371.32
Alternative 5									
	ADM	ALL	ML1	HLO	t-ALL	t-ATV	t-MC	t-4WD	TOTAL
CAL	8.42	0.00	7.15	46.50	4.77	0.00	0.00	6.65	73.49
GR	24.52	2.88	17.01	128.76	0.00	0.00	0.00	0.00	173.18
MW	1.27	0.00	4.50	200.89	6.52	1.82	1.69	0.00	216.70
SU	1.24	0.00	0.32	66.39	0.00	0.00	0.00	0.06	68.02
	35.46	2.88	28.99	442.55	11.29	1.82	1.69	6.71	531.39
	ADM	ALL	ML1	HLO	t-ALL	t-ATV	t-MC	t-4WD	TOT
ALL	27.37	0.00	37.35	441.10	0.26	0.00	0.08	19.38	525.54
ML1	1.24	0.26	0.00	0.49	2.87	0.31	0.00	0.00	5.17
HLO	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88
	29.50	0.26	37.35	441.59	3.13	0.31	0.08	19.38	531.59

Trails (Baseline+Additions+NFTS Changes)							Routes (Baseline+Additions+NFTS Changes)					
Alternative 1							1	2	3	4	5	
	ALL	ATV	MC	PER	4WD	TOTAL	All Vehicles (ALL) Road					
CAL	15.53	2.66	3.28	0.00	10.44	31.91	Street Legal Only (SLO) Road	1387.43	1734.91	1734.91	1682.16	1209.63
GR	29.77	8.28	0.60	0.00	30.59	69.25	All Vehicles (ALL) Trail	136.76	61.35	61.35	198.12	83.25
MW	30.10	28.11	54.40	1.38	4.99	118.99	All Terrain Vehicle (ATV) Trail	60.05	21.00	21.00	71.95	28.48
SU	0.00	0.00	0.00	0.00	0.30	0.30	Motorcycle (MC) Trail	71.22	12.94	12.94	74.46	26.52
	75.41	39.05	58.28	1.38	46.02	220.15	Permit Only (PER) Trail	1.38	0.00	0.00	1.38	0.54
Base	61.35	21.00	12.94	0.00	0.00	95.29	4 Wheel Drive (4WD) Trail	46.02	0.00	0.00	30.97	9.45
Total	136.76	60.05	71.22	1.38	46.02	315.44	Total Motorized Opportunities	2438.44	2259.37	2259.37	2532.26	2227.75
Alternative 4												
	ALL	ATV	MC	PER	4WD	TOTAL						
CAL	15.69	2.66	3.28	0.00	11.04	32.67						
GR	82.10	8.28	0.60	0.00	16.74	107.72						
MW	38.98	40.01	57.64	1.38	3.18	141.18						
SU	0.00	0.00	0.00	0.00	0.00	0.00						
	136.77	50.95	61.52	1.38	30.97	281.58						
Base	61.35	21.00	12.94	0.00	0.00	95.29						
Total	198.12	71.95	74.46	1.38	30.97	376.87						
Alternative 5												
	ALL	ATV	MC	PER	4WD	TOTAL						
CAL	4.81	0.52	0.00	0.00	8.39	13.72						
GR	4.92	0.00	0.00	0.00	0.00	4.92						
MW	12.16	6.96	13.58	0.54	1.07	34.32						
SU	0.00	0.00	0.00	0.00	0.06	0.06						
	21.90	7.48	13.58	0.54	9.45	52.96						
Base	61.35	21.00	12.94	0.00	0.00	95.29						
Total	83.25	28.48	26.52	0.54	9.45	148.25						

Legend	
4WD	4 Wheel Drive
ADM	Administrative Use Only (closed to public motorized use)
AGG	Aggregate
ALL	All Vehicles
ATV	ATV (open to ATV and Motorcycle)
BOT	Botany
CAL	Calaveras
CUR	Current
DC	Dispersed Campsite
GIS	Geographic Information System
GR	Groveland
HLO	Highway Legal Only
HR	Heritage Resources
INV	Inventory
MC	Motorcycle
MI	Miles
ML1	Maintenance Level 1
ML2	Maintenance Level 2
ML3	Maintenance Level 3
MW	Mi-Wok
NAT	Native
NFTS	National Forest Transportation System
OHV	Off-Highway Vehicle
PER	Permit Only
RD	Ranger District
REC	Recreation
SRC	Source
SUR	Surface
SYS	System (National Forest System)
t-ALL	NFTS road converted to All Vehicles trail
t-ATV	NFTS road converted to ATV trail
t-MC	NFTS road converted to Motorcycle trail
t-4WD	NFTS road converted to 4WD trail
UNR	Unauthorized Road
UNT	Unauthorized Trail
WLF	Wildlife and Fish