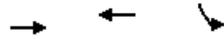


Appendix C

**Traffic Analysis Technical Calculations for
VMT and ADT**

Timings
9: Squaw Valley Rd & Wayne Rd

Existing + Project Conditions
Winter PM



Lane Group	EBT	WBT	SBL
Lane Configurations	↑↑	↑	↑
Volume (vph)	1193	197	50
Turn Type	NA	NA	Prot
Protected Phases	4	8	6
Permitted Phases			
Detector Phase	4	8	6
Switch Phase			
Minimum Initial (s)	5.0	5.0	5.0
Minimum Split (s)	8.5	8.5	8.5
Total Split (s)	50.0	50.0	10.0
Total Split (%)	83.3%	83.3%	16.7%
Yellow Time (s)	3.0	3.0	3.0
All-Red Time (s)	0.0	0.0	0.0
Lost Time Adjust (s)	0.0	0.0	0.0
Total Lost Time (s)	3.0	3.0	3.0
Lead/Lag			
Lead-Lag Optimize?			
Recall Mode	Max	Max	Max
Act Effct Green (s)	47.0	47.0	7.0
Actuated g/C Ratio	0.78	0.78	0.12
v/c Ratio	0.49	0.17	0.40
Control Delay	3.0	1.8	31.0
Queue Delay	0.0	0.0	0.0
Total Delay	3.0	1.8	31.0
LOS	A	A	C
Approach Delay	3.0	1.8	31.0
Approach LOS	A	A	C

Intersection Summary

Cycle Length: 60
 Actuated Cycle Length: 60
 Offset: 0 (0%), Referenced to phase 2: and 6:SBL, Start of Green
 Natural Cycle: 40
 Control Type: Pretimed
 Maximum v/c Ratio: 0.49
 Intersection Signal Delay: 4.2
 Intersection Capacity Utilization 43.8%
 Analysis Period (min) 15

Intersection LOS: A
 ICU Level of Service A

Splits and Phases: 9: Squaw Valley Rd & Wayne Rd



HCM 2010 Signalized Intersection Summary
 9: Squaw Valley Rd & Wayne Rd

Existing + Project Conditions
 Winter PM

								
Movement	EBL	EBT	WBT	WBR	SBL	SBR		
Lane Configurations		↑↑	↑		↓	↓		
Volume (veh/h)	0	1193	197	13	50	0		
Number	7	4	8	18	1	16		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	0	1863	1863	1900	1863	1863		
Adj Flow Rate, veh/h	0	1371	232	15	83	0		
Adj No. of Lanes	0	2	1	0	1	1		
Peak Hour Factor	0.87	0.87	0.85	0.85	0.60	0.60		
Percent Heavy Veh, %	0	2	2	2	2	2		
Cap, veh/h	0	2772	1356	88	207	185		
Arrive On Green	0.00	0.78	0.78	0.78	0.12	0.00		
Sat Flow, veh/h	0	3725	1731	112	1774	1583		
Grp Volume(v), veh/h	0	1371	0	247	83	0		
Grp Sat Flow(s),veh/h/ln	0	1770	0	1843	1774	1583		
Q Serve(g_s), s	0.0	8.2	0.0	2.0	2.6	0.0		
Cycle Q Clear(g_c), s	0.0	8.2	0.0	2.0	2.6	0.0		
Prop In Lane	0.00			0.06	1.00	1.00		
Lane Grp Cap(c), veh/h	0	2772	0	1444	207	185		
V/C Ratio(X)	0.00	0.49	0.00	0.17	0.40	0.00		
Avail Cap(c_a), veh/h	0	2772	0	1444	207	185		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	0.00	1.00	0.00	1.00	1.00	0.00		
Uniform Delay (d), s/veh	0.0	2.3	0.0	1.6	24.6	0.0		
Incr Delay (d2), s/veh	0.0	0.6	0.0	0.3	5.7	0.0		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(-26165%),veh/ln	0.0	4.1	0.0	1.1	1.6	0.0		
LnGrp Delay(d),s/veh	0.0	2.9	0.0	1.9	30.3	0.0		
LnGrp LOS		A		A	C			
Approach Vol, veh/h		1371	247		83			
Approach Delay, s/veh		2.9	1.9		30.3			
Approach LOS		A	A		C			
Timer	1	2	3	4	5	6	7	8
Assigned Phs				4		6		8
Phs Duration (G+Y+Rc), s				50.0		10.0		50.0
Change Period (Y+Rc), s				3.0		3.0		3.0
Max Green Setting (Gmax), s				47.0		7.0		47.0
Max Q Clear Time (g_c+I1), s				10.2		4.6		4.0
Green Ext Time (p_c), s				16.7		0.0		17.8
Intersection Summary								
HCM 2010 Ctrl Delay			4.1					
HCM 2010 LOS			A					

**Vehicle Miles Traveled (VMT)
Summer Friday daily within TRPA**

Demographics	Project VMT
Guest Trips	22,363.9
Employee Trips	1,478.2

Total	23,842.2
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Guest Trips

Start	End	Percent of total guest trips	ADT	VMT
SR 89/Alpine Meadows Rd	Stateline	0.08	219	7,910.2
SR 89/Alpine Meadows Rd	Echo Summit	0.02	55	2,169.3
SR 89/Alpine Meadows Rd	Emerald Bay/Camp Richardson	0.03	82	2,161.1
SR 89/Alpine Meadows Rd	South Y	0.03	82	2,530.8
SR 89/Alpine Meadows Rd	Sand Harbor	0.02	55	1,276.4
SR 89/Alpine Meadows Rd	Incline Village	0.06	164	3,188.2
SR 89/Alpine Meadows Rd	Kings Beach	0.05	137	1,780.4
SR 89/Alpine Meadows Rd	Tahoe City	0.12	329	1,347.6

Total		0.41	1,123	22,363.9
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Employee Trips				
Start	End	Percent of total employee trips	ADT	VMT
SR 89/Alpine Meadows Rd	Homewood	0.07	39	392.7
SR 89/Alpine Meadows Rd	Incline Village	0.01	6	108.8
SR 89/Alpine Meadows Rd	Kings Beach	0.05	28	364.7
SR 89/Alpine Meadows Rd	Dollar Point	0.07	39	267.0
SR 89/Alpine Meadows Rd	Tahoe City	0.15	84	345.0
Total		0.35	196	1,478.2

Number of Trips within TRPA boundary

Type of Trip	Total Summer ADT from Project	Demographic Percent	Demographic Number of Trips	Percent in TRPA Boundary	Final Number of Trips
Guest Trips	3,300	0.83	2,739	0.41	1,123
Employee Trips	3,300	0.17	561	0.35	196

Trip Lengths within TRPA			
Type of Trip	Start	End	Mileage
Guest Trips	SR 89/Alpine Meadows Rd	Stateline	36.1
Guest Trips	SR 89/Alpine Meadows Rd	Echo Summit	39.6
Guest Trips	SR 89/Alpine Meadows Rd	Emerald Bay/Camp Richardson	26.3
Guest Trips	SR 89/Alpine Meadows Rd	South Y	30.8
Guest Trips	SR 89/Alpine Meadows Rd	Sand Harbor	23.3
Guest Trips	SR 89/Alpine Meadows Rd	Incline Village	19.4
Guest Trips	SR 89/Alpine Meadows Rd	Kings Beach	13
Guest Trips	SR 89/Alpine Meadows Rd	Tahoe City	4.1
Employee Trips	SR 89/Alpine Meadows Rd	Homewood	10
Employee Trips	SR 89/Alpine Meadows Rd	Incline Village	19.4
Employee Trips	SR 89/Alpine Meadows Rd	Kings Beach	13
Employee Trips	SR 89/Alpine Meadows Rd	Dollar Point	6.8
Employee Trips	SR 89/Alpine Meadows Rd	Tahoe City	4.1

Vehicle Miles Traveled (winter Saturday daily)		
Tab	Land Use	Project VMT
9_6	Condo Hotel & Fractional Cabin (guest trips - primary)	337.6
9_6	Condo Hotel & Fractional Cabin (guest trips - non primary)	2,622.7
9_7	Condo Hotel & Fractional Cabin (employee trips)	540.1
9_7	Restaurant & Retail (employee trips)	282.9
9_8	Restaurants & Retail (guest trips)	238.7
9_8	Mountain Adventure Center (guest trips)	85.1
9_8	Mountain Adventure Center (employee trips)	68.8
9_8	Miscellaneous trips	1,765.9
other trips	Employee vehicle trips on Squaw Valley Rd	116.0
other trips	Shuttle trips on Squaw Valley Rd	200.0
long dist guests	Condo Hotel & Fractional Cabin (long distance guest trips - primary)	48,398.9
long dist guests	Condo Hotel & Fractional Cabin (long distance guest trips - non primary)	15,901.6
long dist guests	Restaurants & Retail (long distance guest trips)	5,559.2
long dist guests	Mountain Adventure Center (long distance guest trips)	1,942.4
long dist employees	Condo Hotel & Fractional Cabin (long distance employee trips)	4,467.8
long dist employees	Restaurant & Retail (long distance employee trips)	2,355.7
long dist employees	Mountain Adventure Center (long distance employee trips)	514.5
total		<u>85,397.8</u>

Average Daily Traffic (winter Saturday daily)				
Segment	Type	Project ADT	Existing ADT	Total ADT
West River Street from SR 89 to McIver Crossing	Two-Lane Moderate Access Control Arterial	186	3,800	4000
Squaw Valley Road from SR 89 to Squaw Creek Road	Two-Lane Moderate Access Control Arterial	2818	12,600	15400
Squaw Valley Road from Squaw Creek Road to Squaw Valley USA Resort	Two-Lane Moderate Access Control Arterial	2433	12,900	15300
SR 89 north of Squaw Valley Road	Two-Lane Highway	1546	15,000	16500
SR 89 south of Squaw Valley Road	Two-Lane Highway	1272	13,700	15000

Trip Lengths			
Start	End	Mileage	
Squaw Valley Rd/Chamonix Place	W River St	10.1	
Squaw Valley Rd/Chamonix Place	Deerfield Dr/SR 89	10.5	
Squaw Valley Rd/Chamonix Place	EB 80 merge	10.8	*trips extend further
Squaw Valley Rd/Chamonix Place	WB 80 merge	10.9	*trips extend further
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Safeway	11	
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Meadow Wy	11	
Squaw Valley Rd/Chamonix Place	Forest Ln/Frates Ln	11	
Squaw Valley Rd/Chamonix Place	End of Squaw Creek Rd	2.5	
Squaw Valley Rd/Chamonix Place	Alpine Meadows Rd/Juniper Mountain Rd	5.2	
Squaw Valley Rd/Chamonix Place	SR 28/Grove St	7.8	*trips extend further
Squaw Valley Rd/Chamonix Place	SR 89/Granlibakken Rd	7.9	*trips extend further

East Parcel	W River St	8.1	
East Parcel	Deerfield Dr/SR 89	8.5	
East Parcel	EB 80 merge	8.8	*trips extend further
East Parcel	WB 80 merge	8.9	*trips extend further
East Parcel	Donner Pass Rd/Safeway	9	
East Parcel	Donner Pass Rd/Meadow Wy	9	
East Parcel	Forest Ln/Frates Ln	9	
East Parcel	End of Squaw Creek Rd	0.5	
East Parcel	Alpine Meadows Rd/Juniper Mountain Rd	3.2	
East Parcel	SR 28/Grove St	5.8	*trips extend further
East Parcel	SR 89/Granlibakken Rd	5.9	*trips extend further

Squaw Valley Rd/Chamonix Place	East Parcel	2	
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Condo Hotel & Fractional Cabin (guest trips)			811			1144		
Start	End	Mileage	primary			non-primary		
			Percent	ADT	VMT	Percent	ADT	VMT
Squaw Valley Rd/Chamonix Place	W River St	10.1	2%	16	161.6	10%	114	1151.4
Squaw Valley Rd/Chamonix Place	Deerfield Dr/SR 89	10.5	0%	0	0.0	3%	34	357.0
Squaw Valley Rd/Chamonix Place	EB 80 merge		21%	170		10%	114	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	WB 80 merge		65%	527		5%	57	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Safeway	11	0%	0	0.0	2%	23	253.0
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Meadow Wy	11	2%	16	176.0	3%	34	374.0
Squaw Valley Rd/Chamonix Place	Forest Ln/Frates Ln	11	0%	0	0.0	2%	23	253.0
Squaw Valley Rd/Chamonix Place	End of Squaw Creek Rd	2.5	0%	0	0.0	2%	23	57.5
Squaw Valley Rd/Chamonix Place	Alpine Meadows Rd/Juniper Mountain Rd	5.2	0%	0	0.0	3%	34	176.8
Squaw Valley Rd/Chamonix Place	SR 28/Grove St		6%	49		35%	400	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	SR 89/Granlibakken Rd		4%	32		25%	286	*see "long dist guests" tab
total			100%	810	337.6	100%	1142	2622.7

Condo Hotel & Fractional Cabin (employee trips)				330		
Start	End	Mileage	Trip- Distribution			
			Percent	ADT	VMT	
East Parcel	W River St	8.1	8%	26	210.6	
East Parcel	Deerfield Dr/SR 89	8.5	2%	7	59.5	
East Parcel	EB 80 merge		11%	36		*see "long dist employees" tab
East Parcel	WB 80 merge		7%	23		*see "long dist employees" tab
East Parcel	Donner Pass Rd/Safeway	9.0	4%	13	117.0	
East Parcel	Donner Pass Rd/Meadow Wy	9.0	5%	17	153.0	
East Parcel	Forest Ln/Frates Ln	9.0	0%	0	0.0	
East Parcel	End of Squaw Creek Rd	0.5	0%	0	0.0	
East Parcel	Alpine Meadows Rd/Juniper Mountain Rd	3.2	0%	0	0.0	
East Parcel	SR 28/Grove St		55%	182		*see "long dist employees" tab
East Parcel	SR 89/Granlibakken Rd		8%	26		*see "long dist employees" tab
total			100%	330	540.1	

Restaurant & Retail (employee trips)				174		
Start	End	Mileage	Trip- Distribution			
			Percent	ADT	VMT	
East Parcel	W River St	8.1	8%	14	113.4	
East Parcel	Deerfield Dr/SR 89	8.5	2%	3	25.5	
East Parcel	EB 80 merge		11%	19		*see "long dist employees" tab
East Parcel	WB 80 merge		7%	12		*see "long dist employees" tab
East Parcel	Donner Pass Rd/Safeway	9.0	4%	7	63.0	
East Parcel	Donner Pass Rd/Meadow Wy	9.0	5%	9	81.0	
East Parcel	Forest Ln/Frates Ln	9.0	0%	0	0.0	
East Parcel	End of Squaw Creek Rd	0.5	0%	0	0.0	
East Parcel	Alpine Meadows Rd/Juniper Mountain Rd	3.2	0%	0	0.0	
East Parcel	SR 28/Grove St		55%	96		*see "long dist employees" tab
East Parcel	SR 89/Granlibakken Rd		8%	14		*see "long dist employees" tab
total			100%	174	282.9	

Mountain Adventure Center (employee trips)				38		
Start	End	Mileage	Trip Distribution			
			Percent	ADT	VMT	
East Parcel	W River St	8.1	8%	3	24.3	
East Parcel	Deerfield Dr/SR 89	8.5	2%	1	8.5	
East Parcel	EB 80 merge		11%	4		*see "long dist employees" tab
East Parcel	WB 80 merge		7%	3		*see "long dist employees" tab
East Parcel	Donner Pass Rd/Safeway	9.0	4%	2	18	
East Parcel	Donner Pass Rd/Meadow Wy	9.0	5%	2	18	
East Parcel	Forest Ln/Frates Ln	9.0	0%	0	0	
East Parcel	End of Squaw Creek Rd	0.5	0%	0	0	
East Parcel	Alpine Meadows Rd/Juniper M	3.2	0%	0	0	
East Parcel	SR 28/Grove St		55%	21		*see "long dist employees" tab
East Parcel	SR 89/Granlibakken Rd		8%	3		*see "long dist employees" tab
total			100%	39	68.8	

Restaurants & Retail (guest trips)			166		
Start	End	Mileage	Trip Distribution		
			Percent	ADT	VMT
Squaw Valley Rd/Chamonix Place	W River St	10.1	4%	7	70.7
Squaw Valley Rd/Chamonix Place	Deerfield Dr/SR 89	10.5	1%	2	21.0
Squaw Valley Rd/Chamonix Place	EB 80 merge		20%	33	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	WB 80 merge		28%	46	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Safeway	11	3%	5	55.0
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Meadow Wy	11	2%	3	33.0
Squaw Valley Rd/Chamonix Place	Forest Ln/Frates Ln	11	2%	3	33.0
Squaw Valley Rd/Chamonix Place	End of Squaw Creek Rd	2.5	0%	0	0.0
Squaw Valley Rd/Chamonix Place	Alpine Meadows Rd/Juniper Mountain Rd	5.2	3%	5	26.0
Squaw Valley Rd/Chamonix Place	SR 28/Grove St		23%	38	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	SR 89/Granlibakken Rd		14%	23	*see "long dist guests" tab
total			100%	165	238.7

Mountain Adventure Center (guest trips)			58		
Start	End	Mileage	Trip Distribution		
			Percent	ADT	VMT
Squaw Valley Rd/Chamonix Place	W River St	10.1	4%	2	20.2
Squaw Valley Rd/Chamonix Place	Deerfield Dr/SR 89	10.5	1%	1	10.5
Squaw Valley Rd/Chamonix Place	EB 80 merge		20%	12	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	WB 80 merge		28%	16	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Safeway	11	3%	2	22.0
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Meadow Wy	11	2%	1	11.0
Squaw Valley Rd/Chamonix Place	Forest Ln/Frates Ln	11	2%	1	11.0
Squaw Valley Rd/Chamonix Place	End of Squaw Creek Rd	2.5	0%	0	0.0
Squaw Valley Rd/Chamonix Place	Alpine Meadows Rd/Juniper Mountain Rd	5.2	3%	2	10.4
Squaw Valley Rd/Chamonix Place	SR 28/Grove St		23%	13	*see "long dist guests" tab
Squaw Valley Rd/Chamonix Place	SR 89/Granlibakken Rd		14%	8	*see "long dist guests" tab
total			100%	58	85.1

Miscellaneous			100		
Start	End	Mileage	Trip Distribution		
			Percent	ADT	VMT
Squaw Valley Rd/Chamonix Place	W River St	10.1	4%	4	40.4
Squaw Valley Rd/Chamonix Place	Deerfield Dr/SR 89	10.5	1%	1	10.5
Squaw Valley Rd/Chamonix Place	EB 80 merge	21.6	20%	20	432.0 *base mileage doubled
Squaw Valley Rd/Chamonix Place	WB 80 merge	21.8	28%	28	610.4 *base mileage doubled
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Safeway	11	3%	3	33.0
Squaw Valley Rd/Chamonix Place	Donner Pass Rd/Meadow Wy	11	2%	2	22.0
Squaw Valley Rd/Chamonix Place	Forest Ln/Frates Ln	11	2%	2	22.0
Squaw Valley Rd/Chamonix Place	End of Squaw Creek Rd	2.5	0%	0	0.0
Squaw Valley Rd/Chamonix Place	Alpine Meadows Rd/Juniper Mountain Rd	5.2	3%	3	15.6
Squaw Valley Rd/Chamonix Place	SR 28/Grove St	15.6	23%	23	358.8 *base mileage doubled
Squaw Valley Rd/Chamonix Place	SR 89/Granlibakken Rd	15.8	14%	14	221.2 *base mileage doubled
total			100%	100	1765.9

Employee vehicle trips on Squaw Valley Rd					
Start	End	Mileage	Percent	Number of trips	VMT
Squaw Valley Rd/Chamonix Place	East Parcel	2	100%	58	116.0

Shuttle trips on Squaw Valley Rd					
Start	End	Mileage	Percent	Number of trips	VMT
Squaw Valley Rd/Chamonix Place	East Parcel	2	100%	100	200.0

Long distance guest trips		
Type		Total guest car trips
Condo Hotel & Fractional Cabin - primary		811
Condo Hotel & Fractional Cabin - non primary		1144
Restaurants & Retail		166
Mountain Adventure Center		58
total		2179

Start	End	Extended Location	Total mileage	Percent (normalized)	Weighted trip length		Extended Location	Total mileage	Percent (normalized)	Weighted trip length	Extended Location	Total mileage	Percent (normalized)	Weighted trip length	Extended Location	Total mileage	Percent (normalized)	Weighted trip length	Extended Location	Total mileage	Percent (normalized)	Weighted trip length
Squaw Valley Rd/Chamonix Place	EB 80 merge	Reno	19	75%	14.3		Reno Airport	19	25%	4.8	x											
Squaw Valley Rd/Chamonix Place	WB 80 merge	Sacramento/Cental Valley	83	23%	19.1		Bay Area	83	59%	49.0	Southern California	83	11%	9.1	SMF airport	83	3%	2.5	SFO airport	83	4%	3.3
Squaw Valley Rd/Chamonix Place	SR 28/Grove St	Incline Village	18.3	100%	18.3		x				x											
Squaw Valley Rd/Chamonix Place	SR 89/Granlibakken Rd	South Lake	16	100%	16.0		x				x											

Long distance guest trips (Figure 9-6)							
Location		Trip Distribution	ADT	Weighted trip length	VMT	Primary total	Non primary total
EB 80	primary	21%	170	19.0	3,235.9	3,235.9	
	non-primary	10%	114	19	2,173.6		2,173.6
WB 80	primary	65%	527	83.0	43,753.5	43,753.5	
	non-primary	5%	57	20	1,144.0		1,144.0
28 toward Tahoe City/Kings Beach	primary	6%	49	18.3	890.5	890.5	
	non-primary	35%	400	20	8,008.0		8,008.0
89 toward Homewood/Tahoma	primary	4%	32	16.0	519.0	519.0	
	non-primary	25%	286	16	4,576.0		4,576.0
total						48,398.9	15,901.6

Reduced to 19 miles to reflect distance to CA/NV stateline
Reduced to 19 miles to reflect distance to CA/NV stateline
Reduced to 83 miles to reflect distance to I-80/Riverside IC (Sac/Placer Co line)
Reduced to 83 miles to reflect distance to I-80/Riverside IC (Sac/Placer Co line)

Long distance guest trips (Figure 9-8)							
Location		Trip Distribution	ADT	Weighted trip length	VMT	Restaurants & Retail total	Mountain Adventure Center total
EB 80	Restaurants & Retail	20%	33	19.0	630.8	630.8	
	Mountain Adventure Center	20%	12	19.0	220.4		220.4
WB 80	Restaurants & Retail	28%	46	83.0	3,857.8	3,857.8	
	Mountain Adventure Center	28%	16	83.0	1,347.9		1,347.9
28 toward Tahoe City/Kings Beach	Restaurants & Retail	23%	38	18.3	698.7	698.7	
	Mountain Adventure Center	23%	13	18.3	244.1		244.1
89 toward Homewood/Tahoma	Restaurants & Retail	14%	23	16.0	371.8	371.8	
	Mountain Adventure Center	14%	8	16.0	129.9		129.9
total						5,559.2	1,942.4

Reduced to 19 miles to reflect distance to CA/NV stateline
Reduced to 19 miles to reflect distance to CA/NV stateline
Reduced to 83 miles to reflect distance to I-80/Riverside IC (Sac/Placer Co line)
Reduced to 83 miles to reflect distance to I-80/Riverside IC (Sac/Placer Co line)
Reduced to 18.3 miles to reflect distance to CA/NV stateline
Reduced to 18.3 miles to reflect distance to CA/NV stateline
Reduced to 16 miles to reflect distance to Placer/EDC County Line
Reduced to 16 miles to reflect distance to Placer/EDC County Line

Long distance employee trips		
Type		Total employee car trips
Condo Hotel & Fractional Cabin		330
Restaurant & Retail		174
Mountain Adventure Center		38
total		542

Start	End	Extended Location	Total mileage	Percent (normalized)	Weighted trip length		Extended Location	Total mileage	Percent (normalized)	Weighted trip length		Extended Location	Total mileage	Percent (normalized)	Weighted trip length
East Parcel	EB 80 merge	Reno	19	26%	4.9		Truckee	12.4	74%	9.2		x			
East Parcel	WB 80 merge	Colfax	61.6	100%	61.6		x					x			
East Parcel	SR 28/Grove St	Tahoe City/ Dollar Point	9.4	72%	6.8		Tahoe Vista/ Kings Beach	16.9	18%	3.0		Incline/ Crystal Bay	18.3	10%	1.8
East Parcel	SR 89/Granlibakken Rd	Homewood/ Tahoma	15.9	100%	15.9		x					x			
total															

Long distance employee trips								
Location		Trip Distribution	ADT	Weighted trip length	VMT	Condo Hotel & Fractional Cabin total	Restaurants & Retail total	Mountain Adventure Center total
EB 80	Condo Hotel & Fractional Cabin	11%	36	14.1	512.4	512.4		
	Restaurant & Retail	11%	19	14.1	270.2		270.2	
	Mountain Adventure Center	11%	4	14.1	59.0			59.0
WB 80	Condo Hotel & Fractional Cabin	7%	23	61.6	1,423.0	1423.0		
	Restaurant & Retail	7%	12	61.6	750.3		750.3	
	Mountain Adventure Center	7%	3	61.6	163.9			163.9
28 toward Tahoe City/Kings Beach	Condo Hotel & Fractional Cabin	55%	182	11.6	2,112.7	2112.7		
	Restaurant & Retail	55%	96	11.6	1,113.9		1113.9	
	Mountain Adventure Center	55%	21	11.6	243.3			243.3
89 toward Homewood/Tahoma	Condo Hotel & Fractional Cabin	8%	26	15.9	419.8	419.8		
	Restaurant & Retail	8%	14	15.9	221.3		221.3	
	Mountain Adventure Center	8%	3	15.9	48.3			48.3
total						4467.8	2355.7	514.5

Extended VMT for primary guest trips

Long distance guest trips		
Type		Total guest car trips
Condo Hotel & Fractional Cabin - primary		811
Restaurants & Retail		166
Mountain Adventure Center		58
total		1035

Start	End	Extended Location	Total mileage	Percent (normalized)	Weighted trip length		Extended Location	Total mileage	Percent (normalized)	Weighted trip length		Extended Location	Total mileage	Percent (normalized)	Weighted trip length		Extended Location	Total mileage	Percent (normalized)	Weighted trip length		Extended Location	Total mileage	Percent (normalized)	Weighted trip length
Squaw Valley Rd/Chamonix Place	EB 80 merge	Reno	8.2	75%	6.2		Reno Airport	8.2	25%	2.1	x														
Squaw Valley Rd/Chamonix Place	WB 80 merge	Sacramento/Cental Valley	72.1	23%	16.6		Bay Area	72.1	59%	42.5		Southern California	72.1	11%	7.9		SMF airport	72.1	3%	2.2		SFO airport	72.1	4%	2.9
Squaw Valley Rd/Chamonix Place	SR 28/Grove St	Incline Village	10.5	100%	10.5		x				x														
Squaw Valley Rd/Chamonix Place	SR 89/Granlibakken Rd	South Lake	8.1	100%	8.1		x				x														

Long distance guest trips (Figure 9-6)						
Location		Trip Distribution	ADT	Weighted trip length	VMT	Primary total
EB 80	primary	21%	170	8.2	1,396.5	1,396.5
WB 80	primary	65%	527	72.1	38,007.5	38,007.5
28 toward Tahoe City/Kings Beach	primary	6%	49	10.5	510.9	510.9
89 toward Homewood/Tahoma	primary	4%	32	8.1	262.8	262.8
total						40,177.8

Long distance guest trips (Figure 9-8)							
Location		Trip Distribution	ADT	Weighted trip length	VMT	Restaurants & Retail total	Mountain Adventure Center total
EB 80	Restaurants & Retail	20%	33	8.2	272.2	272.2	
	Mountain Adventure Center	20%	12	8.2	95.1		95.1
WB 80	Restaurants & Retail	28%	46	72.1	3,351.2	3,351.2	
	Mountain Adventure Center	28%	16	72.1	1,170.9		1,170.9
28 toward Tahoe City/Kings Beach	Restaurants & Retail	23%	38	10.5	400.9	400.9	
	Mountain Adventure Center	23%	13	10.5	140.1		140.1
89 toward Homewood/Tahoma	Restaurants & Retail	14%	23	8.1	188.2	188.2	
	Mountain Adventure Center	14%	8	8.1	65.8		65.8
total						4,212.6	1,471.9