PARKING RESTRICTION SURVEY



PLEASANT VALLEY ROAD

(No. 77)

Carlson Way (Private)

Reviewed by the Traf	fic Advisory Committee on	MAY 0.8 2014	
7 7	PPROVED STAFF'S RECO EQUESTED FURTHER AC		
Action:	APPROVED		
*			

TRANSPORTATION DIVISION

ENGINEERING AND TRAFFIC SURVEY

Location: Pleasant

Pleasant Valley Road (No. 77)

Subject:

Parking Restriction Survey

Date:

February 19, 2014

This study was initiated in response to several requests from the public requesting improved corner sight distance from Carlson Way onto Pleasant Valley Road looking west. The vehicles parking along the shoulder of Pleasant Valley Road west of Carlson Way are obstructing the westbound corner sight distance for motorists on Carlson Way. The residents would like to see "No Parking" signs be placed along the business frontage to ensure corner sight distance onto Pleasant Valley Road.

The scope of this study is to determine if the request for a "No Parking" is appropriate for Pleasant Valley Road, in accordance with the uniform signing practices and current departmental policies. Unless otherwise indicated, all subsequent references to Pleasant Valley Road apply only to the portion described above.

GENERAL PHYSICAL CONDITIONS:

Pleasant Valley Road is located on the west slope of El Dorado County, running from east to west between Sly Park Road and Mother Lode Drive, with the following physical characteristics within the study area:

PLEASANT VALLEY ROAD

Function:

Minor Arterial

Length:

0.20 mile study length (10.75 total length)

Alignment:

Curvilinear

Grade:

Gentle Slope

Surface:

25 foot nominal asphalt surface at Carlson Way

50 foot nominal asphalt surface 335 feet west of Carlson Way

Striping:

Double yellow centerline with edge line striping at Carlson Way

Westerly Portion has Two-Way Left Lane Markings

Speed Limit:

35 miles per hour with radar enforcement

Carlson Way

Function:

Private Road

Length:

0.03 mile study length

Alignment:

Straight

Grade:

Rolling

Surface:

Unimproved surface

Striping:

None

Speed Limit:

Not posted

Signing:

Street Name Sign

RECORD DATA:

A review of the average daily traffic volume counts on Pleasant Valley Road conducted by El Dorado County Department of Transportation in May of 2012 disclosed an annual average daily traffic volume of the following:

DATE	MILEPOST	SITE	ADT						
Pleasant Valley Road									
May 2012	3.64	200 yards east of SR49	15,389						
May 2012	5.02	300 feet west of Big Cut Road	12,541						
		Estimated Average ADT	13,965						

The average daily count of 13,965 vehicles was recorded by the Transportation Division.

A review of the accident data provided by the California Highway Patrol for a three (3) year period from January 1, 2010, through December 31, 2012, disclosed a total of one (1) reported accident within the study area of Pleasant Valley Road near Carlson Way (see attached sheets):

1 Reported Hit Object type Accident resulting in no injuries and no fatalities

The one (1) reported accident during the three (3) year period could be summarized as follows:

Summary of accident data for the study area of	on Pleasant Valley Road near Carlson Way
Accident Rate	0.07 Accidents per Million Entering Vehicles
Number of Reported Accidents	One (1)
Average Daily Traffic Volume	13,965 vehicles
Opinions & Conclusions from CHP Report	Hit Object 1. Sleep

This rate of 0.07 is lower than the countywide rate of 1.0 Accidents per Million Vehicles normally experienced at similar sites.

V C Section 22505 Stopping Standing or Parking on State Highway Segments

Stopping, Standing, or Parking on State Highway Segments states in part: "22505. (a) The Department of Transportation with respect to highways under its jurisdiction may place signs or markings prohibiting or restricting the stopping, standing, or parking of vehicles, including, but not limited to, vehicles which are six feet or more in height (including any load thereon), in any of the following areas and under the following conditions:

- (1) In areas where, in its opinion, stopping, standing, or parking is dangerous to those using the highway or where the stopping, standing, or parking of vehicles would unduly interfere with the free movement of traffic thereon...(b) No person shall stop, park, or leave standing any vehicle in violation of the restrictions stated on the signs or markings.
- (c) This section does not apply to any of the following:
- (1) Public utility vehicles while performing a work operation.
- (2) The driver of any vehicle which is disabled in such a manner and to such an extent that it is impossible to avoid stopping, parking, or leaving the disabled vehicle standing on the roadway. Amended Ch. 455, Stats. 1987. Effective January 1, 1988."

Section 2A.06 Design of Signs states in part:

"Standard:

Except as noted in the Option below, highway agencies shall not develop word message signs. In accordance with CVC Section 21401, only word message signs conforming to Department of Transportation standards and specifications shall be placed on streets and highways. Option:

Local agencies may develop place/facility name or day, date, time portion of the word message on signs to notify road users of special events/circumstances or to warn road users of a situation that might not be readily apparent. Unlike symbol signs and colors, these place/facility name or day, date, time modified word message signs may be used without the need for experimentation. Support:

Sign design details are contained in FHWA's "Standard Highway Signs and Markings" book and Department of Transportation's California Sign Specifications. Signs other than those shown in these publications, the MUTCD or this California MUTCD may be required under special conditions. See Section 1A.11 for information regarding these publications."

Section 2B.46 Parking, Standing, and Stopping Signs states in part:

"Parking Regulations

Support:

The delegation of maintenance activities to local authorities is usually exercised under the authority of Streets and Highways Code Section 130. Under a proposal to delegate maintenance and parking regulation authority under CVC Section22506, the Department retains the authority to regulate parking under the three conditions specified in CVC Section 22505(a)."

"Policy on Parking Restrictions Guidance:

No Stopping Any Time – Stopping should be prohibited at locations where the prohibition would reduce the risk of collisions or where parking would unduly interfere with the movement of traffic."

"No Parking Anytime – Parking should be prohibited at locations where the prohibition is necessary to accommodate other activities and objectives, such as street sweeping, snow removal, public safety or preferential parking."

"Option:

Major factors that may be considered for No Stopping Anytime include:

- · Narrow roadway width.
- Restricted visibility at intersections for pedestrian and vehicular traffic.
- · Narrow shoulder width.
- Conversion of a parking lane to a through lane or right-turn lane."

"The NO PARKING ANY TIME with arrow (R28(CA)) or without arrow (R26(CA)) signs may be used to inform motorists of a parking prohibition at a specific location. The NO PARKING ANY TIME with arrow (R28A(CA)) or without arrow (R26A(CA)) signs may be used where a larger size is desirable."

FIELD REVIEW AND OBSERVATION:

Speed Survey

One (1) radar speed survey was completed by El Dorado County Department of Transportation on January 3, 2014, on Pleasant Valley Road (see attached sheet). The following was recorded:

	MILE	85%	10 MPH	% IN	RANGE
SITE	POST	SPEED	PACE	PACE	OF SPEEDS
At Carlson Way	3.87	38 mph	29-38 mph	85.9%	26 to 42 mph

For historical purposes, we have included a speed survey from the "2013 Speed Zone Survey" for Pleasant Valley Road from State Route 49 (East) to 0.19 of a mile east of Bucks Bar Road. One (1) radar speed survey was completed by El Dorado County Department of Transportation on December 11, 2012, on Pleasant Valley Road at Carlson Way (see attached sheet). The following was recorded:

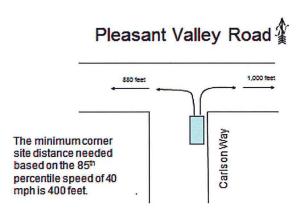
	MILE	85%	10 MPH	% IN	RANGE
SITE	POST	SPEED	PACE	PACE	OF SPEEDS
At Carlson Way	3.87	39 mph	30-39 mph	86%	27 to 44 mph

During the field review, staff observed numerous pedestrians traveling from Pearl Place and crossing Pleasant Valley Road and continuing east towards Carlson Way to a school bus stop. Staff also observed several pedestrians and one bicyclist on Pleasant Valley Road.

Sight Distance

As a part of this study, in accordance with the AASHTO 4th Edition, "Highways and Streets Manual", unobstructed corner sight distance measurements were taken. The following results were recorded:

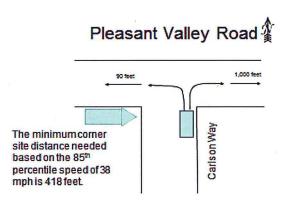
Corner Sight Distance



The following results were recorded for obstructed corner sight distance measurements:

Corner Sight Distance

With Large Vehicle Parked on Westerly Shoulder



In accordance with the Caltrans Highway Design Manual's sight distance requirements for corner sight distance, the minimum available sight distance of 385 feet is required for the posted speed limit of 35 miles per hour and 418 feet for the 85th percentile speed of 38 miles per hour.

Stopping sight distance measurements were taken and found to meet the minimum requirements. Documentation of those readings has been attached to this report. Per the above results, the private intersection meets both corner sight distance and stopping site distance measurements where the site distance is unobstructed. This cannot be said when vehicles are parked west of Carlson Way on Pleasant Valley Road.

It should also be noted that the vegetation along the easterly corner can obstruct sight distance if not maintained. Staff contacted the property owner at this location and the property owner stated that the hedge has been maintained with pruning as needed. At this time, motorists have adequate sight distance.

CONTACTS:

Owner, Steve Able, of the Victory Mine Center located at 738 Pleasant Valley Road spoke with staff regarding the parking of cars along Pleasant Valley Road. Mr. Able has owned the business for several years and has not had any issues with parking until recently. He has recently acquired new tenants that require additional parking. The construction of the additional parking created some parking issues that resulted in construction workers, tenants, and/or patrons parking along Pleasant Valley Road and Pearl Place. Since the improvements on site, he has not heard of any further concerns regarding parking along Pleasant Valley Road at this location.

The tenants were contacted to receive notification of the study taking place regarding parking restrictions. The staff was aware of the parking issues during construction of the site improvements. In response to the parking issues they requested that staff not park along Pleasant Valley Road at this location. Since the improvements on site, the tenants have not heard of any further concerns regarding parking along Pleasant Valley Road at this location.

FINDINGS AND CONCLUSIONS:

Pleasant Valley Road functions as a minor arterial and is 10.75 miles in length. Within the study area (0.20 mile) the following items were found to be the main items established during the course of this study:

- Pleasant Valley Road has over 13,000 vehicles utilizing this section of road daily.
- Corner sight distance is obstructed by motorists that park along the southerly shoulder of Pleasant Valley Road west of Carlson Way.
- There are numerous pedestrians, including children, that utilize this section of roadway.
- Several of the pedestrians cross Pleasant Valley Road from Pearl Place and continue east on Pleasant Valley Road.
- The owner of Victory Mine Center has worked with the county to complete the site

improvements in a timely manner, requesting that the tenants and contractors keep vehicles parked on-site whenever possible and to keep the area clear at the corner of Pleasant Valley Road and Carlson Way.

• Pleasant Valley Road has an accident rate of 0.07 that is lower than the countywide rate of 1.0 Accidents per Million Entering Vehicles normally experienced along similar roads.

Although the accident rate is low at this location, the volume of traffic utilizing the Victory Mine Center has significantly increased with their new tenants. With the increase in usage to the commercial building, it is possible that the motorists may choose to park on Pleasant Valley Road at this location to avoid parking further away from the building.

If motorists park along the southerly shoulder on Pleasant Valley Road, west of Carlson Way, motorists on Carlson Way would be impacted negatively with restricted corner sight distance and the pedestrians would have a restricted refuge area that they now have with the existing shoulder area. It would be in the best interest of the public to keep the southerly side of Pleasant Valley Road free of motorists to allow the pedestrians the access along the shoulder of the roadway.

It can be concluded that motorists parking within 100 feet west of Carlson Way restricts sight distance for motorists existing Carlson Way. It can also be concluded that it would be in the best interest of the public to keep this area open for the existing pedestrians that use this section of roadway. It is therefore concluded that the request for a "No Parking" zone is appropriate for the southerly shoulder on Pleasant Valley Road west of Carlson Way for a distance of 100 feet.

To ensure compliance of the signs it is recommended that the "No Parking" signs be enforced by the California Highway Patrol.

RECOMMENDATIONS:

- 1. That the Traffic Advisory Committee approves the request for the installation of "No Parking" signs on the southerly shoulder on Pleasant Valley Road west of Carlson Road for a distance of 100 feet.
- 2. That the Board of Supervisors be requested to adopt a Resolution, pursuant to Section 10.12.010, of the El Dorado County Ordinance Code, to sanction the installation of the "No Parking" signs on Pleasant Valley Road with the following wording:

BE IT RESOLVED that Resolution No. 252-81, which establishes "No Parking" zone pursuant to Section 10.12.010 of the El Dorado County Ordinance Code, is amended as follows:

ADD:

() "No Parking" on Pleasant Valley Road on the southerly shoulder from west of Carlson Way for a distance of 100 feet.

- 3. Following the adoption of the above proposed Resolution, R26 "No Parking" plates are installed on the southerly shoulder west of Carlson Way for a distance of 100 feet on Pleasant Valley Road.
- 4. Following the installation of the signs, that the California Highway Patrol enforces the signs as needed.

Prepared by:	Valricia Paylor	S
	Patricia Gaylord /	
	Senior Engineering Technician	
APPROVED BY:	Darryl L. Brown, P.E. Traffic Superintendent	on <u>2/21/14</u> Date
APPROVED BY:	Bard R. Lower, Director Transportation Division Community Development Agency	on 4/4/14 Date

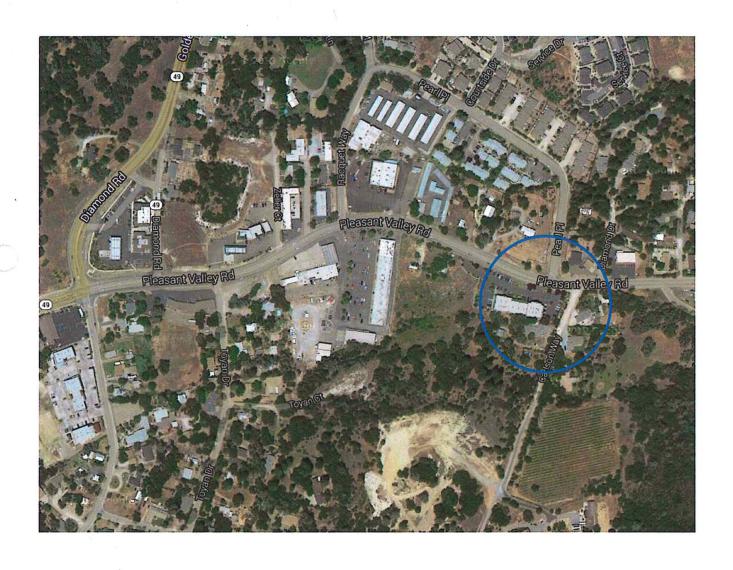
Attachments: Vicinity Map (2 pages) Photo Prints (7 pages)

Average Daily Traffic Volume (4 pages)

Accident Summary from 2010 to 2012 (2 pages)

Speed Survey (1 page)

Vicinity Map Pleasant Valley Road at Carlson Way



Vicinity Map Pleasant Valley Road at Carlson Way



Pleasant Valley Road

Westbound East of Carlson Way



Pleasant Valley Road

Eastbound West of Carlson Way

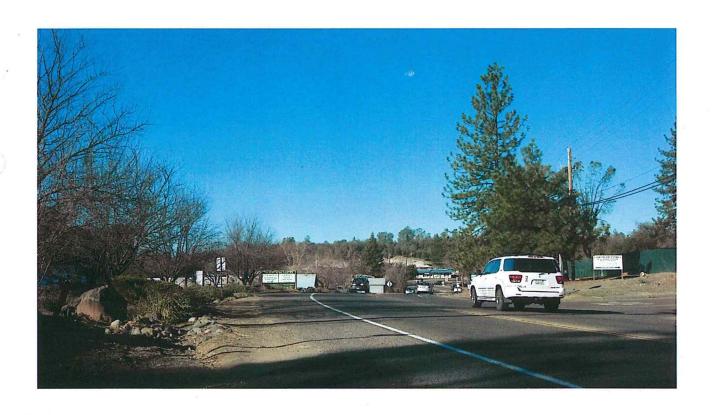


Carlson Way Looking east onto Pleasant Valley Rd



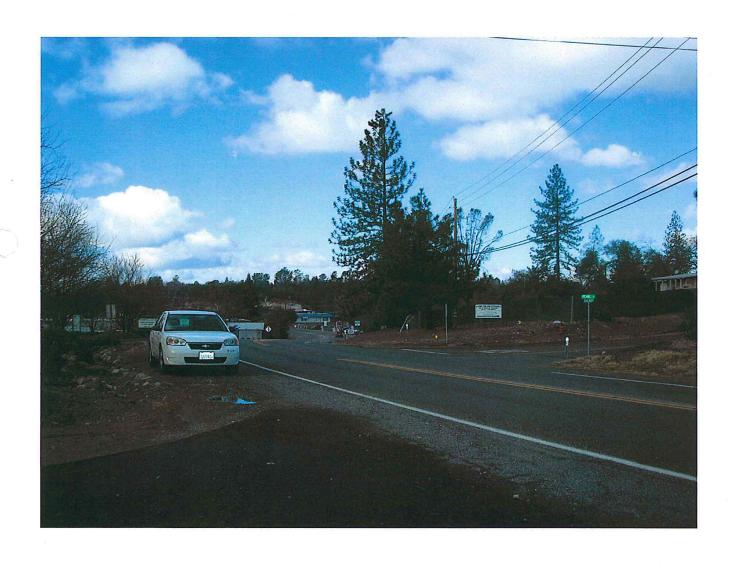
Carlson Way

Looking west onto Pleasant Valley Rd with unobstructed sight distance

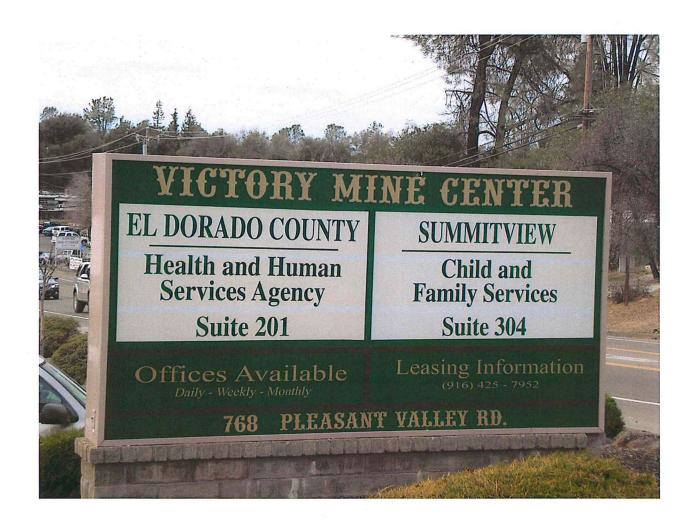


Carlson Way

Looking west onto Pleasant Valley Rd with vehicle blocking sight distance



Victory Mine Center 678 Pleasant Valley Road



Victory Mine Center Parking Lot 678 Pleasant Valley Road



Victory Mine Center Parking Lot 678 Pleasant Valley Road



Count Summary Beginning:

May 1, 2012

Count Station:

1300077

Counter ID:

72

City/Town: Road Name: Diamond Springs

Mile Post:

3.64

Pleasant Valley Rd

Location:

200 yds E of SR 49 (E)

Lanes:

Direction:

EASTBOUND

Date	6	7	1	2	3	4	.5	Weekly	Wk Day
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Average	Avg.
Time	Guil		Tue	· vea	Tild	111	Jat	Average	Avg.
100	118	52	40	44	49	54	78	62	48
200	48	12	23	25	20	18	37	26	20
300	29	18	12	13	14	21	31	20	16
400	18	13	12	12	11	21	16	15	14
500	11	11	15	12	13	20	18	14	14
600	19	43	40	38	45	64	32	40	46
700	41	117	97	101	110	109	51	89	107
800	88	219	238	255	228	228	146	200	234
. 900	189	254	255	281	294	297	262	262	276
1000	239	328	283	299	334	319	311	302	313
1100	343	351	365	357	343	393	405	365	362
1200	419	352	392	415	435	462	443	417	411
1300	482	399	435	441	489	445	445	448	442
1400	441	429	409	433	510	525	522	467	461
1500	433	459	529	535	554	535	518	509	522
1600	408	635	644	659	654	678	525	600	654
1700	431	622	678	667	706	683	503	613	671
.1800	395	750	777	756	795	695	487	665	755
1900	354	588	648	597	598	595	381	537	605
2000	316	406	464	454	458	496	364	423	456
2100	257	358	409	400	370	419	317	361	391
2200	214	247	237	258	283	354	273	267	276
2300	114	134	163	166	184	240	270	182	177
2400	71	69	89	69	107	128	172	101	92
Totals	5478	6866	7254	7287	7604	7799	6607	6985	7362
AM Peak Hr	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
AM Count	419	352	392	415	435	462	443	417	411
PM Peak Hr	1:00	6:00	6:00	6:00	6:00	6:00	4:00	6:00	6:00
PM Count	482	750	777	756	795	695	525	665	755

TOTAL ADT:

Count Summary Beginning:

May 1, 2012

Count Station:

1300077

Counter ID:

72

City/Town:

Diamond Springs

Mile Post:

3.64

Road Name:

Pleasant Valley Rd

Location:

200 yds E of SR 49 (E) WESTBOUND

Lanes:

Direction:

								9	, .
Date	6	7	1	2	3	4	5	Weekly	Wk Day
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Average	Avg.
Time									
100	51	20	15	27	12	19	31	25	19
200	27	15	10	14	11	14	17	15	13
300	11	17	6	14	11	11	10	11	12
400	17	49	33	25	33	27	20	29	33
500	26	114	116	102	100	97	37	85	106
600	60	267	286	281	288	244	73	214	273
700	155	525	545	562	531	487	170	425	530
800	232	800	831	800	826	815	305	658	814
900	392	722	761	752	744	710	522	658	738
1000	536	584	609	561	590	560	570	573	581
1100	571	534	566	580	575	597	596	574	570
1200	521	481	533	519	504	555	532	521	518
1300	489	457	540	489	490	503	518	498	496
1400	449	485	504	512	515	553	530	507	514
1500	425	455	472	492	507	524	437	473	490
1600	406	477	451	523	512	478	476	475	488
1700	365	450	468	457	463	456	514	453	459
1800	331	369	422	398	393	468	484	409	410
1900	281	. 320	314	287	292	371	348	316	317
2000	260	210	220	210	230	282	258	239	230
2100	224	182	171	166	176	205	222	192	180
2200	113	129	113	109	125	175	180	135	130
2300	67	63	60	56	60	102	104	73	68
2400	34	24	24	31	39	71	64	. 41	38
Totals	6043	7749	8070	7967	8027	8324	7018	7600	8027
AM Peak Hr	11:00	8:00	8:00	8:00	8:00	8:00	11:00	8:00	8:00
AM Count	571	800	831	800	826	815	596	658	814
PM Peak Hr	1:00	2:00	1:00	4:00	2:00	2:00	2:00	2:00	2:00
PM Count	489	485	540	523	515	553	530	507	514

TOTAL ADT:

Count Summary Beginning:

May 1, 2012

Count Station: City/Town:

1400077

Counter ID:

70

Road Name:

Placerville

Mile Post:

5.02

Lanes:

Pleasant Valley Rd

Location:

300 ft W of Big Cut Rd EASTBOUND

Direction:

2.1	-								
Date	- 6	7	1	2	3	4	5	Weekly	Wk Day
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Average	Avg.
Time									
100	81	40	33	38	39	48	67	49	40
200	38	10	15	21	16	13	29	20	15
300	19	16	9	10	10	16	21	14	12
400	14	9	8	6	8	14	13	10	9
500	7	6	12	7	11	16	13	10	10
600	16	33	32	24	37	47	26	31	35
700	21	88	75	77	79	79	34	65	80
800	64	181	177	179	168	160	100	147	173
900	119	191	208	223	205	214	201	194	208
1000	188	252	205	214	253	232	248	227	231
1100	311	313	279	262	283	286	328	295	285
1200	341	271	315	306	288	345	354	317	305
1300	439	354	338	381	362	326	425	375	352
1400	413	407	409	366	422	459	456	419	413
1500	357	420	484	456	479	512	454	452	470
1600	340	631	612	608	585	623	458	551	612
1700	363	641	670	629	648	678	460	584	653
1800	350	743	765	724	717	713	419	633	732
1900	282	518	564	535	515	558	324	471	538
2000	245	311	375	354	358	399	276	331	359
2100	188	. 261	313	319	295	320	237	276	302
2200	156	205	185	218	234	270	213	212	222
2300	85	99	125	123	145	176	211	138	134
2400	51	56	65	54	84	96	119	75	71
Totals	4488	6056	6273	6134	6241	6600	5486	5897	6261
AM Peak Hr	12:00	11:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00
AM Count	341	313	315	306	288	345	354	317	305
PM Peak Hr	1:00	6:00	6:00	6:00	6:00	6:00	5:00	6:00	6:00
PM Count	439	743	765	724	717	713	460	633	732

TOTAL ADT:

Count Summary Beginning:

May 1, 2012

Count Station:

1400077

Counter ID:

70

City/Town:

Placerville

Mile Post:

5.02

Road Name:

Pleasant Valley Rd

Location:

300 ft W of Big Cut Rd WESTBOUND

Lanes:

Direction:

Date	6	7	1	, 2	3	4	5	Weekly	Wk Day
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Average	Avg.
Time									
100	26	11	12	16	11	15	17	15	13
200	14	15	9	12	8	11	14	12	11
300	5	15	7	14	11	7	6	9	11
400	9	41	25	19	32	23	18	24	28
500	20	102	104	92	88	84	30	74	94
600	52	238	246	255	235	200	49	182	235
700	122	453	467	480	476	425	129	365	460
800	172	787	745	720	763	748	261	599	753
900	320	618	674	700	660	599	445	574	650
1000	439	478	524	470	514	461	450	477	489
1100	452	414	454	446	444	477	466	450	447
1200	422	346	397	382	382	438	445	402	389
1300	364	358	397	369	359	363	385	371	369
1400	337	327	337	340	354	424	361	354	356
1500	307	354	381	364	382	412	328	361	379
1600	321	382	339	365	395	354	351	358	367
1700	309	333	371	355	368	376	401	359	361
1800	246	255	298	268	296	347	348	294	293
1900	193	199	188	186	175	263	254	208	202
2000	180	121	112	99	120	182	171	141	127
2100	160	108	101	101	104	115	150	120	106
2200	65	78	63	59	69	102	123	80	74
2300	48	40	39	36	41	64	61	47	44
2400	24	16	14	20	26	36	46	26	22
Totals	4607	6089	6304	6168	6313	6526	5309	5902	6280
AM Peak Hr	11:00	8:00	8:00	8:00	8:00	8:00	11:00	8:00	8:00
AM Count	452	787	745	720	763	748	466	599	753
PM Peak Hr	1:00	4:00	1:00	1:00	4:00	2:00	5:00	1:00	3:00
PM Count	364	382	397	369	395	424	401	371	379

TOTAL ADT:

ACCIDENT SITE ANALYSIS SUMMARY FOR

PLEASANT VLY RD

For Use with "No Parking" Request

Report Date: 1/3/2014

For the period beginning January 1, 2010 and ending December 31, 2012

B	Beginning at Mile Post	3.76	and Ending at Mile Post 3.88	Road	way Section Length = 0.12	
2010	Number of Accidents:	1	Number of Injuries:	0	Number of Fatalities:	0
Th	ree Year Accident T	otal = 1	Three Year Injury Tota	1= 0	Three Year Fatality Total	= 0

Average Daily Traffic Volume: 13965

Accidents per Million Entering Vehicles: 0.07

2010 C.H.P. ACCIDENT SUMMARY FOR PLEASANT VLY RD FROM MP-3.76 TO MP-3.88

Report Date: 1/3/2014

The following accident data is based on the C.H.P. Accident Reports for the one year period from January 1, 2010, through December 31, 2010.

The following code numbers have been used to classify the various major types of accidents:

1 = Headon

2 = Sideswipe

3 = Rearend

4 = Broadside

5 = Hit Object

6 = Overturned

7 = Pedestrian Involved

8 = Bicycle Involved

9 = Animal Involved

10 = Parked Vehicle Involved

11 = Snow Removal Equip. Involved

12 = Other

13 = Motorcycle Involved

14 = School Bus Involved

Street	Mile Post	Dist.	Dir.		Cross Street	# Veh	Injury	Fatal	Time	Cond.	lmp.	Code
PLEASANT VLY RD	3.78	375	WEST	of	PEARL PL	1	0	0	DUSK	DRY	SLEEP	5

Total Number of Accidents: 1

Total Number of Injuries: 0

Total Number of Fatalities: 0

Bather	Belrose	Boje,	Inc.	SPEEDPLOT	Program
--------	---------	-------	------	-----------	---------

STREET LIMITS								Plea	sant		SPEED ey Roa		Progr	am			
DATE										50TH PERCENTILE SPEED35 85TH PERCENTILE SPEED38 10 MPH PACE SPEED29 through 38 PERCENT IN PACE SPEED85.9 PERCENT OVER PACE SPEED11.3 PERCENT UNDER PACE SPEED28							
SPEED :				CUM. PCT.	*					RANGE VEHIC	OF SE LES OE GE SPE	PEEDS BSERVI	 ED			.26 t	0 42 71
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