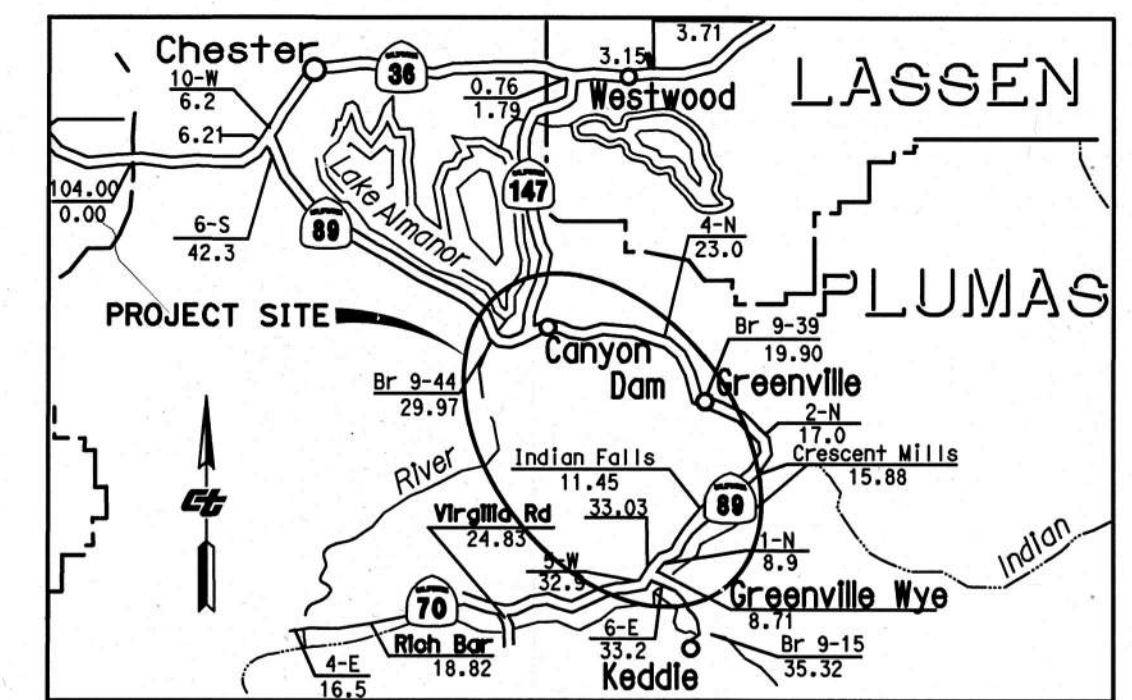


# **SURVEY PURPOSE:**

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH PROJECT CONTROL MONUMENTS IN PLUMAS COUNTY ALONG STATE ROUTE 89. FIELD DATA FOR THIS SURVEY WAS PLANNED, COLLECTED, PROCESSED, ADJUSTED, AND EVALUATED UNDER THE SUPERVISION OF JACK J. HUBBARD, LS 7366.

## **LEGEND**

- PRIMARY CONTROL MONUMENT, HELD AS CONTROLLING PER THIS SURVEY, SEE SHEET 2 FOR MONUMENT TYPE AND CHARACTER
- NETWORK (PROJECT) CONTROL MONUMENT, SEE SHEET 2 FOR MONUMENT TYPE AND CHARACTER
- ####-# OBSERVATION SESSION NUMBER



**VICINITY MAP**  
NO SCALE

## **BASELINE OBSERVATION & ADJUSTMENT NOTES:**

THE BASELINES SHOWN HEREON ARE FOR VISUAL REFERENCE AND REPRESENT ONLY A PERCENTAGE OF THE TOTAL BASELINE OBSERVATIONS COLLECTED. CONTACT THE CALTRANS DISTRICT 2 OFFICE OF SURVEYS IN REDDING FOR A COMPREHENSIVE STATIC GNSS REPORT.

## **ABBREVIATIONS:**

CADT CALIFORNIA DEPARTMENT OF TRANSPORTATION  
BDIP BRASS DISK IN IRON PIPE

## **NOTE:**

SEE SHEET 2 FOR STATEMENTS REQUIRED PER SECTION 8764.5 OF THE PROFESSIONAL LAND SURVEYORS' ACT.

## **BASELINE OBSERVATION INFORMATION**

SESSION	DATE	DURATION
176-0	6/24/24	1530-1600 PDT
177-0	6/25/24	0900-0930 PDT
177-1	6/25/24	1000-1030 PDT
177-2	6/25/24	1100-1130 PDT
177-3	6/25/24	1215-1245 PDT
177-4	6/25/24	1315-1345 PDT
177-5	6/25/24	1430-1500 PDT
177-6	6/25/24	1530-1600 PDT
178-0	6/26/24	0900-0930 PDT
178-1	6/26/24	1000-1030 PDT
178-2	6/26/24	1100-1130 PDT
178-3	6/26/24	1200-1230 PDT
178-4	6/26/24	1300-1330 PDT
178-5	6/26/24	1400-1430 PDT

## **BASIS OF COORDINATES**

THE COORDINATES SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (NAD83(2011)), ZONE 1, EPOCH 2010.00, IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES ARE BASED LOCALLY UPON FIELD OBSERVED TIES TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE NETWORK (CSRN), OR EQUIVALENT STATIONS:

POINT		PUBLISHED NETWORK ACCURACY (2σ)	
DESIGNATION	NGS PID	CIRCULAR ERROR	HEIGHT ERROR
9-70-33.00	NOTE 1	0.032	0.042
CM 12.99	NOTE 2	0.010	0.013
89 PLU 16.65	DH6398	0.017	0.030
CM 21.20	NOTE 2	0.010	0.016
9-89-29.14	NOTE 3	0.016	0.019
HPGN D CA 02 ES	DF4390	0.016	0.028
VFS	DH6415	0.015	0.027
BAMBI	DH6417	0.013	0.024
GOGO	DH6404	0.019	0.032

**NOTE 1:** REFER TO RECORD OF SURVEY FILED JANUARY 27, 2025 IN BOOK 17 RECORD OF SURVEYS AT PAGES 59-60, PLUMAS COUNTY RECORDS FOR SURVEY DETAILS AND MONUMENT TIES TO THE CSRN.

**NOTE 2:** REFER TO RECORD OF SURVEY FILED SEPTEMBER 28, 2023 IN BOOK 17 RECORD OF SURVEYS AT PAGES 5-6, PLUMAS COUNTY RECORDS FOR SURVEY DETAILS AND MONUMENT TIES TO THE CSRN.

**NOTE 3:** REFER TO RECORD OF SURVEY FILED JUNE 11, 2024 IN BOOK 17 RECORD OF SURVEYS AT PAGES 12-13, PLUMAS COUNTY RECORDS FOR SURVEY DETAILS AND MONUMENT TIES TO THE CSRN.

SCALE: 1"=4000'  
FEET 0 2000 4000 8000 12000

STATE OF CALIFORNIA  
CALIFORNIA STATE TRANSPORTATION AGENCY  
DEPARTMENT OF TRANSPORTATION, DISTRICT 2

## **RECORD OF SURVEY FOR GNSS PROJECT CONTROL ON NAD83(2011), EPOCH 2010.00**

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF PLUMAS, STATE OF CALIFORNIA, ALONG STATE ROUTE 89, FROM POSTMILE 8.7 TO POSTMILE 30.1, SITUATED IN SECTIONS S03, S09, T25N R9E; S34, T26N R9E; S23, S25, T27N R8E; AND IN SECTIONS S27, S28, S29, S30, T27N R9E OF THE MOUNT DIABLO BASE AND MERIDIAN

EA:	OJ860	EFIS:	02-1900-0169
CO.	RTE.	P.M.	SHEET NO.
PLU	89	8.7 TO 30.1	1 OF 2

17 RS 063



POINT		WGS84 GEODETIC COORDINATES			NETWORK ACCURACY (2σ)		CCS83, ZONE 1 EPOCH 2010.00		ORTHO HEIGHT				
DESIGNATION	PID	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT	CIRCULAR ERROR	HEIGHT ERROR	NORTHING	EASTING	ELEVATION	DESCRIPTION	CGF	MAP ANGLE	MONUMENTATION TYPE
BAMBI	DH6417	40°03'04.68121"	-120°59'25.69392"	3858.31	0.013	0.024	1903601.85	6844277.92	3936.48	CADT ALUMINUM DISK IN WELL	0.999803022	0°39'36"	PRIMARY
9-70-33.00		40°02'16.67745"	-120°59'03.23376"	2853.78	0.032	0.042	1898764.85	6846080.70	2932.10	CADT 2-1/4" BDIP IN CONCRETE	0.999854218	0°39'51"	PRIMARY
9-89-9.80		40°02'49.13635"	-120°58'38.94553"	2904.86	0.022	0.030	1902071.12	6847931.37	2983.04	CADT 2-1/4" BRASS DISK IN ROCK	0.999849621	0°40'07"	PROJECT
9-89-10.88		40°03'18.70684"	-120°58'16.46279"	2987.26	0.023	0.033	1905083.62	6849644.57	3065.28	CADT 2-1/4" BRASS DISK IN ROCK	0.999843740	0°40'22"	PROJECT
9-89-11.97		40°03'45.30136"	-120°57'39.69468"	3220.68	0.022	0.037	1907808.27	6852471.53	3298.50	CADT 2-1/2" BDIP IN CONCRETE	0.999830853	0°40'46"	PROJECT
CM 12.99		40°04'17.92132"	-120°56'52.24171"	3397.24	0.010	0.013	1911152.88	6856121.14	3474.87	CADT 1-1/2" ALUM CAP ON 3/4" REBAR	0.999820314	0°41'17"	PRIMARY
89 PLU 16.65	DH6398	40°06'31.21165"	-120°54'27.16649"	3460.47	0.017	0.030	1924777.49	6867230.33	3537.79	CADT ALUMINUM DISK IN WELL	0.999808971	0°42'52"	PRIMARY
CM 21.20		40°08'52.75664"	-120°57'20.75086"	3522.21	0.010	0.016	1938934.95	6853573.57	3599.47	CADT 1-1/2" ALUM CAP ON 3/4" REBAR	0.999797635	0°40'58"	PRIMARY
9-89-22.47		40°09'55.46423"	-120°57'25.53690"	3634.81	0.025	0.039	1945275.44	6853126.43	3711.91	CADT 2-1/2" BDIP IN CONCRETE	0.999788686	0°40'55"	PROJECT
9-89-23.25		40°10'14.26049"	-120°58'16.05064"	3643.89	0.032	0.047	1947130.93	6849182.88	3720.96	CADT 2-1/4" BDIP IN CONCRETE	0.999787201	0°40'22"	PROJECT
9-89-23.45		40°10'20.18276"	-120°58'27.38735"	3704.26	0.036	0.051	1947719.85	6848295.91	3781.31	CADT 2-1/4" BRASS DISK IN ROCK	0.999783986	0°40'15"	PROJECT
9-89-24.56		40°10'27.04269"	-120°59'38.06021"	3797.87	0.032	0.048	1948350.35	6842802.39	3874.92	CADT 2-1/4" BDIP IN CONCRETE	0.999779131	0°39'28"	PROJECT
9-89-25.57		40°10'32.40267"	-121°00'40.77392"	3933.14	0.027	0.043	1948837.29	6837928.62	4010.26	CADT 2-1/4" BRASS DISK IN ROCK	0.999772369	0°38'47"	PROJECT
9-89-25.93		40°10'29.10371"	-121°01'04.69213"	3947.87	0.027	0.043	1948482.61	6836075.95	4025.02	CADT 2-1/4" BDIP IN CONCRETE	0.999771847	0°38'32"	PROJECT
9-89-26.94		40°10'18.29817"	-121°02'08.92733"	4101.46	0.026	0.042	1947333.89	6831102.27	4178.71	CADT 2-1/4" BDIP IN CONCRETE	0.999765106	0°37'50"	PROJECT
9-89-28.00		40°10'37.69291"	-121°03'08.29567"	4319.50	0.024	0.037	1949246.05	6826472.87	4396.78	CADT 2-1/4" BDIP IN CONCRETE	0.999753611	0°37'11"	PROJECT
9-89-29.14		40°10'19.04377"	-121°04'19.48403"	4521.88	0.016	0.019	1947299.92	6820967.63	4599.28	CADT 2-1/4" BDIP IN CONCRETE	0.999744971	0°36'24"	PRIMARY
HPGN D CA 02 ES	DF4390	40°10'42.50063"	-121°05'35.40202"	4428.91	0.016	0.028	1949611.69	6815050.30	4506.41	CADT 2-1/4" BDIP IN CONCRETE	0.999748117	0°35'35"	PRIMARY
GOGO	DH6404	40°07'39.77525"	-121°00'55.21516"	5218.82	0.019	0.032	1931357.64	6837004.06	5296.10	CADT ALUMINUM DISK IN WELL	0.999720812	0°38'38"	PRIMARY
VFS	DH6415	40°02'45.15653"	-120°53'11.52507"	7100.01	0.015	0.027	1901978.78	6873397.69	7177.00	CADT ALUMINUM DISK IN ROCK	0.999649386	0°43'41"	PRIMARY

1. ALL COORDINATES AND DISTANCES SHOWN ARE IN TERMS OF THE U.S. SURVEY FOOT UNLESS NOTED OTHERWISE (1200/3937 METER).
2. ORTHOMETRIC HEIGHTS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) DERIVED USING GEOID MODEL GEOID18.
3. COORDINATE ERRORS ARE CALCULATED PER THE STANDARDS SET BY THE FEDERAL GEOGRAPHIC DATA COMMITTEE'S GEOSPATIAL POSITIONING ACCURACY STANDARDS, SPECIFICALLY FGDC-STD-007.3-1998 (PART 3 NATIONAL STANDARD FOR SPATIAL DATA ACCURACY).
4. ALL PRIMARY AND PROJECT CONTROL MONUMENTS ESTABLISHED BY THIS SURVEY CONFORM TO THE STANDARDS OF 0.07' (2CM) NETWORK ACCURACY, OR HIGHER, FOR HORIZONTAL AND VERTICAL POSITIONAL ACCURACY AS SET FORTH IN CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015) UNLESS NOTED OTHERWISE.
5. PRIMARY AND PROJECT MONUMENT TYPES ARE FURTHER DEFINED IN SECTION 5.8, CHAPTER 5 OF THE CALTRANS SURVEYS MANUAL (2015).
6. THIS SURVEY WAS CONDUCTED UTILIZING STATIC GPS SURVEY METHODS IN ACCORDANCE WITH CHAPTER 6 OF THE CALTRANS SURVEYS MANUAL (2012). FIELD MEASUREMENTS WERE COLLECTED USING TRIMBLE R10, R10-2, AND R12 GNSS RECEIVERS. THE GNSS DATA WAS PROCESSED AND THE SURVEY NETWORK WAS ADJUSTED (USING A LEAST SQUARES ADJUSTMENT) IN TRIMBLE BUSINESS CENTER VERSION 2023.10 SOFTWARE.

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION IN JUNE 2024.

Jack J. Hubbard  
JACK J. HUBBARD, LS 7366  
March 13<sup>th</sup> 2025  
DATE



THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH  
SECTION 8766 OF THE PROFESSIONAL LAND SURVEYORS'  
ACT THIS 20<sup>th</sup> DAY OF March, 2025.

*R Tom Hunt*  
ROBERT HUNTER, RCE 30515  
PLUMAS COUNTY SURVEYOR  
*March 20, 2025*  
DATE



FILED THIS 25 DAY OF March, 2025 AT  
8:44AM. IN BOOK 17 RECORD OF SURVEYS AT PAGES  
963-964, AT THE REQUEST OF THE STATE OF  
CALIFORNIA, DEPARTMENT OF TRANSPORTATION.

Diana Ortiz  
MARCY DEMARTILE  
PLUMAS COUNTY CLERK-RECORDER

NO FEE PER GOVERNMENT  
CODE SECTION 6103

2025-0001428  
DOCUMENT NUMBER

**RECORD OF SURVEY  
FOR GNSS PROJECT CONTROL  
ON NAD83(2011), EPOCH 2010.00**

IN THE UNINCORPORATED TERRITORY OF THE  
COUNTY OF PLUMAS, STATE OF CALIFORNIA,  
ALONG STATE ROUTE 89, FROM POSTMILE 8.7  
TO POSTMILE 30.1, SITUATED IN SECTIONS  
S03, S09, T25N R9E; S34, T26N R9E;  
S23, S25, T27N R8E;  
AND IN SECTIONS  
S27, S28, S29, S30, T27N R9E  
OF THE MOUNT DIABLO BASE AND MERIDIAN

EA:	0J860	EFIS:	02-1900-0169
CO.	RTE.	P.M.	SHEET NO.
PLU	89	8.7 TO 30.1	2 OF 2

17 RS 064