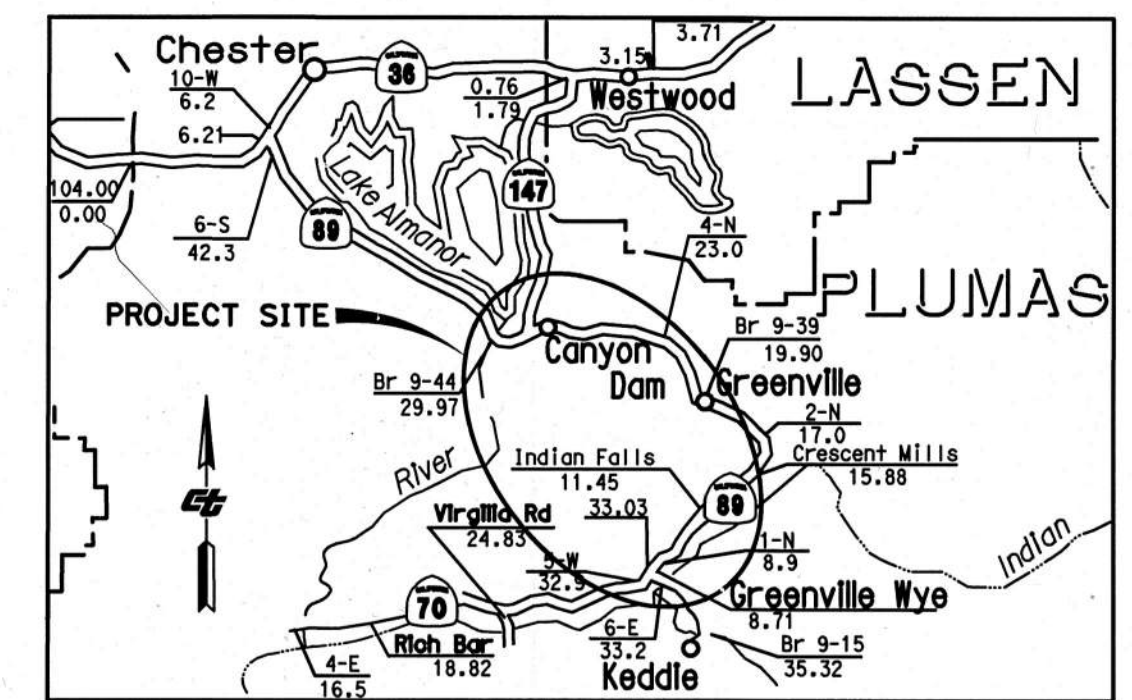


# **SURVEY PURPOSE:**

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

## **BASLINE 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

| GNSS PROJECT CONTROL MONUMENTS - NAD83(2011) EPOCH 2010.00 |        |                            |                   |                  |                       |              |                             |            |              |                                    |             |           |                    |
|------------------------------------------------------------|--------|----------------------------|-------------------|------------------|-----------------------|--------------|-----------------------------|------------|--------------|------------------------------------|-------------|-----------|--------------------|
| 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            |

SURVEY NOTES:

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.

SURVEYOR’S STATEMENT

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



COUNTY SURVEYOR’S STATEMENT

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.

*Robert Hunter*  
ROBERT HUNTER, RCE 30515  
PLUMAS COUNTY SURVEYOR  
March 20, 2025  
DATE



RECORDER’S STATEMENT

FILED THIS 25 DAY OF March, 2025 AT 8:44AM. IN BOOK 17 RECORD OF SURVEYS AT PAGES 063-064, AT THE REQUEST OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.

*Marcy Demartile*  
MARCY DEMARTILE  
PLUMAS COUNTY CLERK-RECORDER

NO FEE PER GOVERNMENT  
CODE SECTION 6103

2025-000428  
DOCUMENT NUMBER

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 | 2 OF 2       |

17 RS 064