

| PROJECT CONTROL MONUMENTS - NAD 83 (1991.35) CCS ZONE 2 - US FEET | | | | |
|---|------------|------------|--|-------------------------|
| POINT NAME | NORTHINGS | EASTINGS | DESCRIPTION / "STAMPING" | CALTRANS REFERENCE |
| SPRING | 1854967.44 | 6890959.79 | FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM SPRING" | 12 ROS 28 |
| CM 50-2 | 1855028.95 | 6890780.88 | FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50-2" | SR:2005-205/EA:02-25954 |
| CM 50.45 | 1854992.40 | 6890984.41 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.45" | SR:2005-205/EA:02-25954 |
| CM 50-3 | 1855046.84 | 6891659.57 | FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50-3" | SR:2005-205/EA:02-25954 |
| CM 50.56 | 1854986.67 | 6891748.13 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.56" | SR:2005-205/EA:02-25954 |
| CM 50.65 | 1854726.78 | 6892170.89 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.65" | SR:2005-205/EA:02-25954 |
| CM 50.70R | 1854640.16 | 6892467.00 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.70R" | SR:2005-205/EA:02-25954 |
| CM 50.91 | 1854232.38 | 6893219.72 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 50.65" | SR:2005-205/EA:02-25954 |
| CM 51.03 | 1853597.51 | 6893753.14 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.03" | SR:2005-205/EA:02-25954 |
| CM 51.15 | 1853405.55 | 6894298.91 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.15" | SR:2005-205/EA:02-25954 |
| GREENHORN | 1853824.51 | 6894621.71 | FND CALTRANS Brass Disk in Rock stamped "GREENHORN 2004" | SR:2005-205/EA:02-25954 |
| CM 51.27 | 1853329.58 | 6895012.82 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.27" | SR:2005-205/EA:02-25954 |
| CM 51-3 | 1853325.75 | 6895187.41 | FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51-3" | SR:2005-205/EA:02-25954 |
| LOOP | 1853551.46 | 6895909.27 | FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM LOOP" | 12 ROS 28 |
| CM 51.52 | 1853724.40 | 6896249.46 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.52" | SR:2005-205/EA:02-25954 |
| CM 51.64 | 1853424.54 | 6896798.93 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.64" | SR:2005-205/EA:02-25954 |
| CM 51.77 | 1852856.04 | 6897059.81 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.77" | SR:2005-205/EA:02-25954 |
| CM 51-6 | 1852621.29 | 6897289.88 | FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51-6" | SR:2005-205/EA:02-25954 |
| CM 51.91 | 1852436.79 | 6897692.39 | SET 1-1/2" Alum Cap on 3/4" Rebar stamped "CM 51.91" | SR:2005-205/EA:02-25954 |
| GARDEN | 1847449.07 | 6901166.24 | FND 1-1/2" Alum Cap on 3/4" Rebar stamped "CM GARDEN" | 12 ROS 28 |

| ROW AND PLSS MONUMENTS - NAD 83 (1991.35) CCS ZONE 2 - US FEET | | | | |
|--|------------|------------|--|-------------------------|
| POINT NAME | NORTHINGS | EASTINGS | DESCRIPTION / "STAMPING" | CALTRANS REFERENCE |
| RW1001 | 1853275.56 | 6894601.86 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| RW1002 | 1853310.71 | 6894568.64 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| RW1003 | 1853447.78 | 6894439.24 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| RW1004 | 1853472.49 | 6894401.55 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| RW1006 | 1853450.22 | 6894363.51 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| RW1007 | 1853625.15 | 6893671.21 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| RW1009 | 1854121.23 | 6893201.24 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| RW1010 | 1854213.34 | 6893298.18 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | SR:2011-009/EA:02-2C090 |
| CC251 | 1853460.17 | 6895090.92 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | Cad Card 25-1 |
| CC252 | 1853262.07 | 6895084.51 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | Cad Card 25-2 |
| CC253 | 1853535.44 | 6895480.74 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | Cad Card 25-3 |
| CC254 | 1853581.20 | 6895460.67 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | Cad Card 25-4 |
| CC255 | 1853206.69 | 6897086.93 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | Cad Card 25-5 |
| CC256 | 1853149.44 | 6896831.37 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | Cad Card 25-6 |
| CC257 | 1852951.80 | 6897234.76 | FND 6" x 6" CONCRETE RIGHT-OF-WAY MONUMENT STAMPED "C" ON SIDE | Cad Card 25-7 |

| CONTROL NETWORK INVERSES | |
|-----------------------------------|-------------------------|
| Grid Bearings and Grid Distances. | |
| SPRING | N 71°01'39" W, 189.19' |
| CM 50-2 | S 79°49'08" E, 206.79' |
| CM 50.45 | N 85°23'23" E, 677.35' |
| CM 50-3 | S 55°48'25" E, 107.06' |
| CM 50.56 | S 58°25'08" E, 496.25' |
| CM 50.65 | S 73°41'38" E, 308.52' |
| CM 50.70R | S 61°33'14" E, 856.08' |
| CM 50.91 | S 40°02'14" E, 829.21' |
| CM 51.03 | S 70°37'19" E, 578.55' |
| CM 51.15 | S 83°55'33" E, 717.94' |
| CM 51.27 | S 88°44'26" E, 174.63' |
| CM 51-3 | N 72°38'11" E, 756.33' |
| LOOP | N 63°03'09" E, 381.63' |
| CM 51.52 | S 61°22'40" E, 625.97' |
| CM 51.64 | S 24°38'59" E, 625.50' |
| CM 51.77 | S 44°25'21" E, 328.70' |
| CM 51-6 | S 65°22'29" E, 442.77' |
| CM 51.91 | S 34°51'23" E, 6078.24' |
| GARDEN | |
| CM 51.15 | N 37°36'46" E, 528.89' |
| GREENHORN | S 40°44'37" E, 8054.50' |
| LOOP | S 78°01'36" E, 1316.20' |
| GARDEN | |

GREENHORN
 γ = +00°46'34"
 CGF = 0.9998411
 h = 3806.2 ft

Convergence Angles (γ) and the GPS Derived Ellipsoid Heights (h) for Monuments as shown are from NGS Datasheets for Station "Greenhorn" (PID:DH6424)

SURVEYOR'S NOTES

- 1) Purpose of this survey is to publish California Coordinates for CALTRANS Project Control Monuments and Found Right-of-Way Monuments for the "Spring Garden Bridge Replacement Project" (EA: 02-2C090)
- 2) Distances and Coordinates are expressed in Grid US Feet unless otherwise noted. Divide Grid Distances by Combined Grid Factor (CGF) of 0.9998411 to obtain Ground Distances. Multiply US Feet Values by 1200/3937 to convert to Meters.
- 3) Bearings, distances, and coordinates are based on the California Coordinate System of 1983, Zone 2, Epoch 1991.35 - CCS83 (199135) Zone 2. Coordinates provided were generated from ties to the California High Accuracy Reference Network (HARN) pursuant to Section 8813.2 of California Resources Code.
- 4) Coordinates for Monuments: SPRING, LOOP, and GARDEN are from Static GPS Surveys performed by Caltrans in January and February of 1998 for Caltrans Project EA: 02-30880 as shown on 12 ROS 28. Said GPS Survey constrained by CSRS-H Monuments: MILFORD, QUINCY 7221, HPGN-D CA 02-FS, and HPGN CA 02-27

SURVEYOR'S NOTES

- 5) NAD83(1991.35) Coordinates for CSRS-H Monument GREENHORN were computed from Static GPS Surveys performed by Caltrans in December of 2005 and as detailed in the GPS Project Control Report for EA:02-25954 dated January 11, 2006.
- 6) Observed coordinates for found 6" x 6" Concrete R/W Monuments numbered RW1001-RW1010 were generated from Landnet Surveys SR:2011/EA:02-2C090.
- 7) Observed coordinates for found 6" x 6" Concrete R/W Monuments numbered CC251-CC257 were generated from Landnet Surveys performed in April of 1993 on NAD27 Datum which have been translated to NAD83(91.35) Datum using the datum shift observed at CM 51.64 and checked against CC255 that was observed on NAD83(91.35) Datum as point 745 per survey SR:2005-205/EA:02-25954
- 8) This Survey and Map Shows approximate location of Caltrans R/W and of Railroad R/W for general reference purposes only.
- 9) Additional information may be obtained from the Caltrans North Region Office of Surveyors (NROS) in the project files for EA: 02-2E000, for EA:02-25954, and EA:02-30880

EA:02-2C090  MARCH 2012

STATE OF CALIFORNIA
 BUSINESS, TRANSPORTATION AND HOUSING AGENCY
 DEPARTMENT OF TRANSPORTATION

RECORD OF SURVEY
 FOR PROJECT CONTROL
 AND PERPETUATION OF
 RIGHT-OF-WAY MONUMENTS
 LYING WITHIN SEC 25 AND 26, T24N, R10E, MDM
 IN THE UNINCORPORATED TERRITORY OF THE
 COUNTY OF PLUMAS, STATE OF CALIFORNIA ALONG
 STATE HIGHWAY 70, POST MILES 51-52

| CO. | RTE. | P.M. | SHEET NUMBER |
|-----|------|-------------|--------------|
| PLU | 70 | 51.0 - 52.0 | 2 of 2 |