

US DEPARTMENT OF COMMERCE - NOAA  
 NOS - NATIONAL GEODETIC SURVEY  
 SILVER SPRING MD 20910

CALIBRATION BASE LINE DATA  
 BASE LINE DESIGNATION: MODESTO CBL  
 PROJECT ACCESSION NUMBER: 15753  
 NEAREST TOWN: MODESTO

QUAD: N371204  
 CALIFORNIA  
 STANISLAUS COUNTY

LIST OF ADJUSTED DISTANCES ( 12/22/2010)

FROM STATION	ELEV.(M)	TO STATION	ADJ. DIST.(M)		STD. ERROR(MM)
			ELEV.(M)	HORIZONTAL	
ZERO	32.688	150	32.611	149.9891	.2
ZERO	32.688	800	33.796	800.0078	.3
ZERO	32.688	1400	34.682	1399.9986	.5
150	32.611	800	33.796	650.0187	.2
150	32.611	1400	34.682	1250.0094	.3
800	33.796	1400	34.682	599.9908	.2

Aug 23/24, 2010  
 NEAREST TOWN: MODESTO  
 COUNTY: STANISLAUS  
 37 40 00, 120 56 25; AZIMUTH 90

THE BASELINE IS LOCATED ABOUT 5 MI EAST OF DOWNTOWN MODESTO.

THE BASELINE IS AN EAST-WEST LINE WITH THE 0-METER POINT ON THE WEST END. IT CONSISTS OF THE 0, 150, 800, AND 1400 METER POINTS.

TO REACH THE 0-METER POINT FROM HWY 99 NORTHWEST OF MODESTO, TAKE THE SISK RD/N. CARPENTER RD/W. BRIGGSMORE AVE EXIT. DRIVE NORTH TO THE INTERSECTION WITH SISK AVE TO THE WEST AND WEST ORANGEBURG AVE TO THE EAST. CONTINUE NORTHERLY ON W. BRIGGSMORE AVE AND DRIVE FOR 0.4 MI AS IT CURVES TO THE EAST, THEN ABOUT 0.25 MI EAST TO THE INTERSECTION WITH CARVER RD. CONTINUE EAST ON W. BRIGGSMORE AVE FOR 1.5 MI TO THE INTERSECTION WITH MCHENRY AVE, A MAJOR NORTH-SOUTH STREET, WHICH IS ALSO HWY 108. CONTINUE EAST ON THE STREET WHICH IS NOW E. BRIGGSMORE AVE FOR 3.0 MI TO THE INTERSECTION OF LAKEWOOD AVE TO THE RIGHT (SOUTH) AND ROSELLE AVE TO THE LEFT (NORTH).

FROM THE LEFT OF TWO LEFT-TURN LANES, TURN LEFT CAREFULLY AT THE DROP CURB OR THE DIRT SHOULDER WEST OF THE SIDEWALK AT THE NORTHWESTERN QUADRANT OF THE INTERSECTION, AND TURN LEFT TO DRIVE ALONG THE BASE OF THE LEVEE ROAD SOUTH OF THE IRRIGATION CANAL FOR ABOUT 45 METERS WEST TO THE 0 MARK ON THE LEFT.

TO ACCESS THE 150-METER MARK FROM W. BRIGGSMORE AVE, FROM THE RIGHT OF TWO LEFT-TURN LANES, TURN LEFT AND AFTER CROSSING THROUGH THE INTERSECTION, IMMEDIATELY TURN RIGHT INTO A DIRT DRIVEWAY FOR THE LEVEE ROAD SOUTH OF THE IRRIGATION CANAL, AND BEAR RIGHT AND DOWNSLOPE AND DRIVE SOUTHEAST ABOUT 75 FEET TO THE MARK ON THE RIGHT PAST SEVERAL ELECTRICAL SIGNAL CONTROL BOXES ON A CONCRETE PAD.

THE 0-METER MARK IS A 1-7/8-IN STANISLAUS COUNTY DISK, STAMPED "ZERO", SET IN THE TOP OF A 0.8-FT DIAMETER ROUND CONCRETE POST, ESTIMATED TO BE 3 FT DEEP, WHOSE TOP IS ABOUT 0.6 FT BELOW THE TOP OF STEEL CASING. IT IS:  
 14.2 FT N OF EDGE OF PAVEMENT AT SILVER SPRAY PAINT ARROW, 16.3 FT NORTH OF FOGLINE, 69.1 FT SW OF ELECTRIC POWER POLE 11F4X24, 2.85 FT SE OF AND 2.85 FT NW OF TWO GREEN STEEL FENCE POSTS. 37 40 00, 120 56 25

THE 150-METER MARK IS A 1-7/8-IN STANISLAUS COUNTY DISK, STAMPED 150 M, SET IN THE TOP OF A 0.8-FT DIAMETER ROUND CONCRETE POST, ESTIMATED TO BE 3 FT DEEP, WHOSE TOP IS 43 CM BELOW THE TOP OF PROTECTIVE PVC CASING. IT IS:  
 12.0 FT N OF EDGE OF PAVEMENT, 15.6 FT NORTH OF FOGLINE, 8.427 M WEST OF FADED YELLOW PIPE MARKING WATER LINE STATION 64+25, 7.576 M SW OF FRONT OF ELECTRIC POWER POLE 11F4X25, AND 3.05 FT SW OF AND 2.85 FT NW OF TWO GREEN STEEL FENCE POSTS. THE CENTER HOLE, WHICH WE REPUNCHED AT THE START OF MEASUREMENTS, IS IN THE CENTER OF A SEVERAL MM-GOUGE. CLEANING AND GREAT CARE NEEDS TO BE TAKEN BY USERS WHEN CENTERING AT THIS MONUMENT. 37 40 01.3, 120 56 20.4

THE 800-METER MARK IS A 1-7/8-IN STANISLAUS COUNTY DISK, UNSTAMPED, SET IN THE TOP OF A 0.8-FT DIAMETER ROUND CONCRETE POST, ESTIMATED TO BE 3 FT DEEP, WHOSE TOP IS 30 CM BELOW THE TOP OF CASING. IT IS: 5.658 M N OF EDGE OF PAVEMENT AT SILVER SPRAY PAINT ARROW, 8.000 M NORTH OF FOGLINE, 16.666 M SW OF ELECTRIC POLE 11F7X14, AND 1.4 FT NW OF AND 1.7 FT ESE OF TWO GREEN STEEL FENCE POSTS. 37 40 01, 120 55 54

THE 1400-METER MARK IS A 1-7/8-IN STANISLAUS COUNTY DISK, UNSTAMPED, SET IN THE TOP OF A 0.8-FT DIAMETER ROUND CONCRETE POST, ESTIMATED TO BE 3 FT DEEP, SURROUNDED BY A CONCRETE COLLAR ABOUT 2 FT IN DIAMETER, WHOSE TOP IS 0.4 FT BELOW THE SURFACE OF THE GROUND. IT IS:  
 13.4 FT N OF EDGE OF PAVEMENT, 21.3 FT N OF FOGLINE, 67.7 FT SW OF ELECTRIC POWER POLE 11F7X44, AND 2.1 FT NW OF AND 2.1 FT SE OF TWO GREEN STEEL FENCE POSTS. 37 40 01.2, 120 55 29.3

THIS CBL WAS ESTABLISHED BY STANISLAUS COUNTY, DEPT OF PUBLIC WORKS, ON 04/22/76. IT WAS CALIBRATED IN CONJUNCTION WITH MEMBERS OF THE CENT VALLEY CHAPTER OF THE CALIFORNIA LAND SURVEYORS ASSOCIATION.