

CFL SAMPLE PLAN SHEET

4/2/2015 8:21:22 AM N:\CFL-DPT\Teams\Sample Plans\SamplePlanUpdates\4R Sample Sheets\A-Gen_sht\CTL(MAIN)Sample_4R.dgn _User: doug.w.smith_

PROJECT : CA177-1(1) - BECKWOURTH / GENESEE ROAD
DATE OF FIELD WORK : JUNE/JULY/AUGUST/SEPTEMBER 2005
DATE OF FINAL ADJUSTMENT : SEPTEMBER 2005

Review FP03, Section 152.02

PROJECT UNITS : USFEET; DMS
COORDINATE SYSTEM : LAMBERT NAD83; CA ZONE 1 0401, BASED ON OPUS SOLUTIONS AT STATIONS 1001 & 3117, CORS96, EPOCH: 2002.0000, DATED 7/5/05, 8/5/05 AND 9/5/05
VERTICAL DATUM : NAVD88 (DIFFERENTIAL LEVELED AND LEAST SQUARES ADJUSTMENT HOLDING OPUS ELEVATION SOLUTION AT STATIONS 1001 AND 3117)

GPB FILE DATED: Aug 7, 2013

POINT NUMBER	STATE PLANE COORDINATES			GEO COORDINATES			MAPPING ANGLE	COMBINED FACTOR	JOB266.GPB STATION	ALI111 OFFSET	DESCRIPTION
	NORTH	EAST	ELEVATION	LATITUDE	LONGITUDE	ELLIPSOID HEIGHT					
3001	1821281.97	7018046.54	4886.14	39°49'05.44857"N	120°22'31.11764"W	4809.60	1°03'44"	0.99982080	1014+62.1	36.5	70;FHWA ALUMINUM CAP
3002	1822622.08	7018015.38	4910.42	39°49'18.69518"N	120°22'31.19849"W	4833.93	1°03'44"	0.99981851	1027+98.0	15.2	70;FHWA ALUMINUM CAP
3003	1826904.84	7018035.13	4972.60	39°50'01.00722"N	120°22'29.92757"W	4896.25	1°03'45"	0.99981197	1071+04.5	18.7	70;FHWA ALUMINUM CAP
3004	1827855.14	7018428.51	4976.97	39°50'10.32451"N	120°22'24.66000"W	4900.65	1°03'49"	0.99981098	1081+32.7	25.9	70;FHWA ALUMINUM CAP
3005	1831766.86	7018709.02	5019.49	39°50'48.92270"N	120°22'20.13349"W	4943.32	1°03'52"	0.99980573	1120+76.6	-20.3	70;FHWA ALUMINUM CAP
3006	1832313.68	7018498.68	5033.86	39°50'54.36415"N	120°22'22.69953"W	4957.71	1°03'50"	0.99980459	1125+48.7	-391.3	70;FHWA ALUMINUM CAP
3101	1833662.33	7017118.78	5097.58	39°51'07.94229"N	120°22'40.06786"W	5021.47	1°03'39"	0.99980043	1157+12.5	-1148.0	70;FHWA ALUMINUM CAP
3102	1834456.34	7016370.20	5148.33	39°51'15.92435"N	120°22'49.47601"W	5072.24	1°03'32"	0.99979734	1164+65.9	-886.2	70;FHWA ALUMINUM CAP
3103	1836823.38	7012228.46	5395.54	39°51'40.06502"N	120°23'42.01646"W	5319.55	1°02'58"	0.99978355	1217+94.6	-23.6	70;FHWA ALUMINUM CAP
3104	1837032.63	7011904.24	5420.48	39°51'42.19119"N	120°23'46.12420"W	5344.49	1°02'55"	0.99978218	1221+40.0	-92.8	70;FHWA ALUMINUM CAP
3105	1841568.89	7009090.45	5822.61	39°52'27.51941"N	120°24'21.14221"W	5746.75	1°02'33"	0.99975929	1279+66.5	-2.1	70;FHWA ALUMINUM CAP
3106	1841989.24	7008697.79	5876.56	39°52'31.74327"N	120°24'26.07954"W	5800.71	1°02'29"	0.99975637	1285+40.8	53.3	70;FHWA ALUMINUM CAP
3107	1843598.68	7006575.89	5830.13	39°52'48.02575"N	120°24'52.91705"W	5754.35	1°02'12"	0.99975728	1312+61.1	-63.8	70;FHWA ALUMINUM CAP
3108	1844430.83	7006239.02	5788.65	39°52'56.30811"N	120°24'57.04436"W	5712.89	1°02'09"	0.99975861	1321+52.4	-51.5	70;FHWA ALUMINUM CAP
3109	1848974.89	7005088.35	5676.56	39°53'41.41159"N	120°25'10.75070"W	5600.90	1°02'00"	0.99976039	1372+94.7	32.7	70;FHWA ALUMINUM CAP
3110	1849739.58	7005056.82	5669.26	39°53'48.97283"N	120°25'10.97823"W	5593.61	1°01'60"	0.99976014	1380+40.3	60.9	70;FHWA ALUMINUM CAP
3111	1853038.10	7004852.40	5614.63	39°54'21.60076"N	120°25'12.83757"W	5539.03	1°01'59"	0.99976020	1414+39.1	-41.6	70;FHWA ALUMINUM CAP
3112	1853602.31	7004993.74	5597.96	39°54'27.15033"N	120°25'10.89366"W	5522.37	1°02'00"	0.99976056	1420+05.8	117.2	70;FHWA ALUMINUM CAP
3113	1859739.75	7004805.49	5508.81	39°55'27.82583"N	120°25'11.88885"W	5433.30	1°01'59"	0.99976015	1485+72.4	33.3	70;FHWA ALUMINUM CAP
3114	1860366.59	7004601.52	5499.22	39°55'34.05577"N	120°25'14.36142"W	5423.71	1°01'58"	0.99976014	1492+25.7	121.6	70;FHWA ALUMINUM CAP
3115	1862513.27	7003583.59	5516.14	39°55'55.44753"N	120°25'26.92953"W	5440.65	1°01'50"	0.99975771	1516+74.5	-31.0	70;FHWA ALUMINUM CAP
3116	1863024.42	7003468.79	5506.00	39°56'00.51844"N	120°25'28.28498"W	5430.52	1°01'49"	0.99975781	1521+91.3	151.2	70;FHWA ALUMINUM CAP
3117	1863416.35	7003620.49	5494.07	39°56'04.36402"N	120°25'26.24744"W	5418.59	1°01'50"	0.99975809	1528+44.2	37.9	70;FHWA ALUMINUM CAP
5001	1823451.77	7017992.89	4930.22	39°49'26.89702"N	120°22'31.28952"W	4853.76	1°03'44"	0.99981687	1036+27.7	14.7	70;FHWA ALUMINUM CAP
5002	1823960.67	7017983.21	4930.75	39°49'31.92696"N	120°22'31.29264"W	4854.29	1°03'44"	0.99981642	1041+36.9	15.3	70;FHWA ALUMINUM CAP
5003	1825130.21	7017966.72	4936.46	39°49'43.48558"N	120°22'31.22604"W	4860.04	1°03'44"	0.99981517	1053+06.6	15.8	70;FHWA ALUMINUM CAP
5004	1826183.41	7017912.84	4954.14	39°49'53.90156"N	120°22'31.66625"W	4877.76	1°03'44"	0.99981344	1063+60.5	-23.9	70;FHWA ALUMINUM CAP
5005	1828972.48	7018685.71	4984.86	39°50'21.31717"N	120°22'21.09764"W	4908.58	1°03'51"	0.99980968	1092+77.9	23.1	70;FHWA ALUMINUM CAP
5006	1829930.74	7018737.56	4991.20	39°50'30.77571"N	120°22'20.20491"W	4914.96	1°03'52"	0.99980859	1102+36.5	15.5	70;FHWA ALUMINUM CAP
5007	1830880.20	7018667.30	5005.63	39°50'40.16973"N	120°22'20.87940"W	4929.43	1°03'51"	0.99980712	1111+87.8	-32.8	70;FHWA ALUMINUM CAP
5101	1835159.82	7016076.43	5153.83	39°51'22.92873"N	120°22'53.07547"W	5077.77	1°03'30"	0.99979650	1173+51.1	-217.4	70;FHWA ALUMINUM CAP
5102	1835429.27	7015765.50	5164.45	39°51'25.64777"N	120°22'56.99787"W	5088.40	1°03'28"	0.99979577	1176+67.1	35.0	70;FHWA ALUMINUM CAP
5103	1835523.89	7015389.67	5176.05	39°51'26.65119"N	120°23'01.79374"W	5100.00	1°03'24"	0.99979514	1180+41.3	-60.0	70;FHWA ALUMINUM CAP

PROJECT AVERAGES = 0.99977339

NOTE: TO PRECISELY CHECK DISTANCES BETWEEN POINTS AS MEASURED ON THE GROUND :
INVERSE THE STATE PLANE COORDINATES AND DIVIDE THE COMPUTED DISTANCE
BY A MEAN COMBINED FACTOR OF THE TWO POINTS.

TO COMPUTE GEODETIC AZIMUTHS USE THE FOLLOWING FORMULA :
GEODETIC AZIMUTH = GRID AZIMUTH + MAPPING ANGLE

Note to A/E designers: For the final plan set, the Survey Control Sheet is stamped by a PLS

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1	Created	8/8/13	KLW
NO.	DESCRIPTION REVISIONS (OR CHANGE NOTICES)	DATE	INIT.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

SURVEY CONTROL