

PT No.	X-Coord.	Y-Coord.
300	2440789.1289	423374.6486
301	2440339.3453	430360.1833
302	2440374.6855	429811.3198
303	2440737.7251	424172.9954
304	2440711.4275	424581.4197
305	2440654.1938	425470.3090
306	2440596.3645	426368.4492
307	2440540.9216	427229.5261
308	2440538.6605	427264.6434
309	2440497.2301	427908.1231
310	2440458.3516	428511.9106
311	2440416.4511	429162.6631
402	2440474.4788	429817.7453
403	2441006.2125	429683.6969
404	2440274.8921	429804.8944
405	2439736.1379	429681.0285
7600	2440709.2942	423369.5082
7601	2440661.1031	424117.9584
7602	2440591.2478	424113.4605
7603	2440523.7803	425161.2907
7604	2440453.9249	425156.7929
7605	2440318.4701	427260.5248
7606	2440251.6849	430354.5390
7607	2440908.8809	423382.3592
7608	2440205.6682	423432.2559
7609	2440865.7509	423429.6857
7610	2440820.7725	424128.2391
7611	2440900.6072	424133.3795
7612	2440833.1396	425181.2097
7613	2440893.0157	425185.0650
7614	2440815.9099	426382.5852
7615	2440795.9512	426381.3001
7616	2440738.8336	427268.3875
7617	2440668.7730	427267.0771
7618	2440588.5237	428513.4194
7619	2440638.5899	428513.9997
7620	2440596.0791	429174.2289
7621	2440606.0585	429174.8715
7622	2440570.2031	429731.7363
7623	2440991.5456	429625.5172
7624	2441020.8793	429741.8766
7625	2440450.7990	429874.2533
7626	2440419.1800	430365.3237
7627	2440551.4077	429860.2290
7628	2440260.2913	429739.9456
7629	2440256.0372	429738.9941
7630	2439749.5721	429622.5518
7631	2439722.6842	429739.5007
7632	2440229.1132	429855.9346
7633	2440258.6327	429861.7414
7634	2440320.8576	427223.4457
7635	2440740.9799	427235.0537
7636	2440104.9263	429827.3826
7637	2440256.1388	430038.6292
7638	2440561.2768	424578.9367
7639	2440871.5883	424584.0682
8000	2440428.3712	421936.3722
8001	2440272.4687	422263.2136
8002	2440265.1644	422592.5026
8003	2440554.5105	423259.3110
8004	2440706.1473	423418.3825
8005	2441045.4829	423437.4479
8006	2441364.5649	423040.7563
8007	2441694.2998	423949.8389
8008	2441716.5500	423290.7833
8009	2441414.8583	422454.4230
8010	2441729.1891	422466.9419
8011	2441752.6007	421958.2707
8012	2440865.5661	423432.5554
8013	2441513.0052	427256.3847
8014	2441519.2156	426595.6539
8015	2440791.2451	426454.3903
8016	2440376.5755	426358.0977
8017	2439316.1869	426024.9627
8018	2438957.3586	428494.5131
8019	2438969.4322	427234.8537
8020	2441627.8550	427285.0163
8021	2441603.3197	428525.1816
8022	2439790.7533	421925.8280
8023	2444507.9361	425044.2535
8024	2441692.2123	427261.3362
8025	2440050.2922	429826.5761
8026	2440050.2922	430035.5569
8027	2440259.0697	429829.6497
8028	2441095.0797	428519.2907
8029	2441447.6868	427281.6463
8030	2441096.1203	428361.7741
8031	2441259.8605	428363.5648
8032	2441588.8983	428209.3129
8033	2441591.9875	427893.6680
8034	2441263.4907	427890.7206
8035	2441265.9080	427575.4898
9061	2444482.0312	427291.0490
9062	2444512.5458	424644.2779
9063	2444542.9764	422004.8003
9064	2441898.6851	421960.6864
9065	2439365.8114	421918.8009
9066	2439333.8059	424558.6383
9067	2439302.1244	427195.2982
9068	2441842.1550	427265.4791
9069	2441870.5532	424600.5879
9353	2437625.4799	427210.1172
9361	2442866.0679	431196.3473
9362	2442929.5956	428540.5540
9363	2442961.6467	427309.9643
9364	2440294.0633	427260.0683
9365	2437644.8021	427209.6391
9366	2437637.6723	428479.2170
9367	2437622.9387	431102.7551
9368	2440241.0956	431149.4904
9369	2440277.0438	428509.8091

Project Name: SW04994 I V1
Description: Bridge over Cimarron River, 2.5 miles north of SH51
Horizontal Alignment Name: A001
Description: C/L SH48 at Cimarron River, 2.5 mile north of SH51.
Style: Centerline

STATION	X-COORD.	Y-COORD.
Element: Linear		
POB (300)	350+00.00	2440789.1289 423374.6486
POE (301)	420+00.00	2440339.3453 430360.1833
Tangent Direction:		N 3°41'02.64" W
Tangent Length:		7000.000'

Project Name: SW04994 I V1
Description: BRIDGE over Cimarron River, 2.5 miles north of SH51
Horizontal Alignment Name: A002
Description: C/L Teriton Road
Style: Centerline

STATION	X-COORD.	Y-COORD.
Element: Linear		
POB (405)	1+00.00	2439736.1379 429681.0285
PC (1)	6+19.65	2440242.5776 429797.4649
Tangent Direction:		N 77°03'07.36" E
Tangent Length:		519.652'
Element: Circular		
PC (1)	6+19.65	2440242.5776 429797.4649
PI (404)	6+52.81	2440274.8921 429804.8944
CC (2)		2440334.2778 429398.6150
PT (3)	6+85.82	2440307.9812 429807.0249
Radius:		409.256'
Delta:		9°15'50.00" Right
Degree of Curvature(Arc):		14°00'00.00"
Length:		66.171'
Tangent:		33.158'
Chord:		66.099'
Middle Ordinate:		1.337'
External:		1.341'
Tangent Direction:		N 77°03'07.36" E
Radial Direction:		S 12°56'52.64" E
Chord Direction:		N 81°41'02.36" E
Radial Direction:		S 3°41'02.64" E
Tangent Direction:		N 86°18'57.36" E
Element: Linear		
PT (3)	6+85.82	2440307.9812 429807.0249
PI (302)	7+52.67	2440374.6855 429811.3198
Tangent Direction:		N 86°18'57.36" E
Tangent Length:		66.842'
Element: Linear		
PI (302)	7+52.67	2440374.6855 429811.3198
PC (4)	7+88.46	2440410.4018 429813.6195
Tangent Direction:		N 86°18'57.36" E
Tangent Length:		35.790'
Element: Circular		
PC (4)	7+88.46	2440410.4018 429813.6195
PI (402)	8+52.67	2440474.4788 429817.7453
CC (5)		2440436.6984 429405.2097
PT (6)	9+15.84	2440536.7405 429802.0493
Radius:		409.256'
Delta:		17°50'00.00" Right
Degree of Curvature(Arc):		14°00'00.00"
Length:		127.381'
Tangent:		64.210'
Chord:		126.867'
Middle Ordinate:		4.946'
External:		5.006'
Tangent Direction:		N 86°18'57.36" E
Radial Direction:		S 3°41'02.64" E
Chord Direction:		S 84°46'02.64" E
Radial Direction:		S 14°08'57.36" W
Tangent Direction:		S 75°51'02.64" E
Element: Linear		
PT (6)	9+15.84	2440536.7405 429802.0493
POE (403)	14+00.00	2441006.2125 429683.6969
Tangent Direction:		S 75°51'02.64" E
Tangent Length:		484.160'

Check Levels				SW04994(I)		Bench Mark List		Page 1 of 1	
BM No.	Run 1	Run 2	Rerun	Adjusted Diff.	Unadjusted Elev.	Adjusted Elev.	BM Description	NAVD 88 Datum	
BM 6A						772.92	BM 6A Top of Bridge Seat - 15' Rt. Sta. 379+18		
To	+8.47	+8.47		+8.47					
BM 6					781.39	781.39	BM 6 Corps of Engineers Brass Cap - 18' Rt. Sta. 379+21		
To	-15.08	-15.07		-15.07					
BM 5					766.315	766.32	BM 5 "U" on S.W. corner conc. bridge - 15' Lt. Sta. 371+78		
To	-6.79	-6.80		-6.80					
BM 4					759.520	759.52	BM 4 Railroad Spike in asphalt shoulder - 19' Rt. Sta. 362+51		
To	-8.37	-8.38		-8.37					
BM 3					751.145	751.15	BM 3 Top of buried delineator post - 76' Rt. Sta. 353+86		
To	+7.32	+7.33		+7.32					
BM 2					758.470	758.47	BM 2 Top of buried delineator post - 77' Rt. Sta. 348+44		
To	+19.81	+19.81		+19.81					
C-19-959					778.280	778.28	C-19-959 0DOT 2" Brass Cap In feno spike encased in concrete - 111.37' Lt. Sta. 340+71.06		
To	-2.85	-2.85		-2.85					
BM 1					775.430	775.43	BM 1 N.W. corner conc. old town of Mannford monument - 135' Rt. Sta. 335+01		
							(Level Source)		
BM 6					781.39	781.39	BM 6 Corps of Engineers Brass Cap - 18' Rt. Sta. 379+21		
To	+59.36	+59.39		+59.38					
C-19-960					840.765	840.77	C-19-960 0DOT 2" Brass Cap in feno spike encased in concrete - 193.30' Lt. Sta. 380+97.34		
To	+27.91	+27.92		+27.91					
BM 7					868.680	868.68	BM 7 Railroad spike in W. side 12" Hickory - 190' Lt. Sta. 387+43		
To	+26.75	+26.73		+26.74					
P-59-270					895.420	895.42	P-59-270 0DOT 2" Brass Cap in feno spike encased in concrete - 173.61' Lt. Sta. 396+07.52		
To	-58.00	-57.99		-57.99					
BM 8					837.425	837.43	BM 8 Top of buried delineator post - 168' Lt. Sta. 403+34		
To	-21.62	-21.64		-21.63					
BM 9					815.795	815.80	BM 9 Railroad Spike in corner post - 123' Lt. Sta. 412+90		
To	-18.25	-18.25		-18.25					
BM 10					797.545	797.55	BM 10 Top of buried delineator post 3' W. from fence - 123' Rt. Sta. 420+68		
To	-31.76	-31.78		-31.77					
BM 11					765.775	765.78	BM 11 Railroad Spike in N. side 10" triple Ash - 129' Rt. Sta. 427+28		

Scale:
1"=100'