Appendix D

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (Low Water Crossing Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2076349. Wirtz Dam	Max WS	PropLW100US	367598	731	778.37		780.41	0.000852	12.21	38074.36	1124.93	0.32
1	2076349. Wirtz Dam	Max WS	none, 100 yr	367335.6	731	777.82		779.91	0.000888	12.36	37459.91	1113.6	0.33
1	2076349. Wirtz Dam	Max WS	PropLW25US	250870.3	731	770.7		772.12	0.000753	10.14	30037.71	982.61	0.29
1	2076349. Wirtz Dam	Max WS	none, 25 yr	250614.2	731	770.1		771.58	0.000794	10.31	29457.32	976.46	0.3
1	2076349. Wirtz Dam	Max WS	PropLW10US	162856.5	731	764.3		765.21	0.000612	8.08	23944.19	927.4	0.25
1	2076349. Wirtz Dam	Max WS	none, 10 yr	162450.8	731	763.22		764.21	0.000691	8.38	22944.14	920.92	0.27
1	2076349. Wirtz Dam	1 Turb	PropLW2gen	9400	731	742.49		742.53	0.000136	1.71	5745.03	709.13	0.1
1	2076349. Wirtz Dam	1 Turb	none, 2 gen	9400	731	742.2		742.25	0.000151	1.77	5542.82	703.36	0.1
1	2076349. Wirtz Dam	1 Turb	PropLW1gen	4700	731	740.58		740.6	0.000073	1.08	4438.31	659.3	0.07
1	2076349. Wirtz Dam	1 Turb	none, 1 gen	4700	731	740.31		740.33	0.000083	1.12	4263.14	651.45	0.07
1	2075869	Max WS	PropLW100US	367335.5	736	778.07		779.96	0.000857	11.68	38625.69	1165.78	0.32
1	2075869	Max WS	none, 100 yr	367269.3	736	777.51		779.45	0.000897	11.84	37968.13	1152.79	0.32
1	2075869	Max WS	PropLW25US	250743.9	736	770.38		771.73	0.000795	9.83	30223.08	1034.42	0.3
1	2075869	Max WS	none, 25 yr	250485	736	769.76		771.17	0.000845	10.01	29588.39	1028.21	0.3
1	2075869	Max WS	PropLW10US	162721	736	763.99		764.9	0.00069	7.98	23748.9	995.1	0.27
1	2075869	Max WS	none, 10 yr	162382.4	736	762.86		763.85	0.000795	8.34	22622.06	988.58	0.28
1	2075869	1 Turb	PropLW2gen	9400	736	742.35		742.43	0.000397	2.24	4336.83	752.4	0.16
1	2075869	1 Turb	none, 2 gen	9400	736	742.05		742.13	0.000469	2.36	4109.13	742.34	0.17
1	2075869	1 Turb	PropLW1gen	4700	736	740.5		740.54	0.000321	1.6	2985.8	708.77	0.13
1	2075869	1 Turb	none, 1 gen	4700	736	740.22		740.27	0.0004	1.71	2787.84	702.69	0.15
1	2075621*	Max WS	PropLW100US	367271	735.6	777.87		779.76	0.000866	11.77	39558.82	1262.4	0.32
1	2075621*	Max WS	none, 100 yr	367205	735.6	777.29		779.24	0.000906	11.92	38840.73	1235.25	0.33
1	2075621*	Max WS	PropLW25US	250741.4	735.6	770.19		771.54	0.000803	9.9	30732.86	1083.23	0.3
1	2075621*	Max WS	none, 25 yr	250360.2	735.6	769.55		770.97	0.000855	10.09	30049.36	1078.32	0.31
1	2075621*	Max WS	PropLW10US	162655	735.6	763.81		764.73	0.000699	8.06	23979.85	1036.09	0.27
1	2075621*	Max WS	none, 10 yr	162316.8	735.6	762.65		763.65	0.00081	8.44	22775.48	1026.77	0.29
1	2075621*	1 Turb	PropLW2gen	9400	735.6	742.26		742.34	0.000369	2.22	4376.39	730.42	0.15
1	2075621*	1 Turb	none, 2 gen	9400	735.6	741.94		742.02	0.000438	2.33	4142.54	721.21	0.17
1	2075621*	1 Turb	PropLW1gen	4700	735.6	740.43		740.46	0.00028	1.55	3078.05	690.48	0.13
1	2075621*	1 Turb	none, 1 gen	4700	735.6	740.13		740.17	0.000349	1.66	2872.76	684.61	0.14
1	**2075572***	**Max WS**	**PropLW100US**	**367271**	**735.5**	**777.83**	**756.69**	**779.72**	**0.000867**	**11.78**	**39775.07**	**1283.17**	**0.32**
1	**2075572***	**Max WS**	**none, 100 yr**	**367205**	**735.5**	**777.25**		**779.2**	**0.000907**	**11.93**	**39042.27**	**1255.94**	**0.33**
1	**2075572***	**Max WS**	**PropLW25US**	**250740.6**	**735.5**	**770.15**	**752.18**	**771.51**	**0.000803**	**9.91**	**30855.7**	**1093.65**	**0.3**
1	**2075572***	**Max WS**	**none, 25 yr**	**250360.1**	**735.5**	**769.51**		**770.93**	**0.000855**	**10.1**	**30162.56**	**1088.43**	**0.31**
1	**2075572***	**Max WS**	**PropLW10US**	**162655**	**735.5**	**763.78**	**748.16**	**764.7**	**0.0007**	**8.08**	**24043.54**	**1044.91**	**0.27**
1	**2075572***	**Max WS**	**none, 10 yr**	**162316.7**	**735.5**	**762.6**		**763.61**	**0.000812**	**8.45**	**22822.42**	**1034.98**	**0.29**
1	**2075572***	**1 Turb**	**PropLW2gen**	**9400**	**735.5**	**742.24**	**737.53**	**742.32**	**0.000362**	**2.21**	**4395.43**	**726.16**	**0.15**
1	**2075572***	**1 Turb**	**none, 2 gen**	**9400**	**735.5**	**741.92**		**742**	**0.000429**	**2.32**	**4160.52**	**718.38**	**0.16**

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (Low Water Crossing Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	**2075572***	**1 Turb**	**PropLW1gen**	**4700**	**735.5**	**740.41**	**736.82**	**740.45**	**0.00027**	**1.54**	**3105.13**	**687.44**	**0.12**
1	**2075572***	**1 Turb**	**none, 1 gen**	**4700**	**735.5**	**740.11**		**740.15**	**0.000337**	**1.64**	**2898.64**	**681.42**	**0.14**
1	2075472			Bridge									
1	2075373*	Max WS	PropLW100US	367207.7	735.2	777.09		779.03	0.000911	11.98	39887.5	1339.27	0.33
1	2075373*	Max WS	none, 100 yr	367204.8	735.2	777.09		779.03	0.000911	11.98	39886.69	1339.24	0.33
1	2075373*	Max WS	PropLW25US	250367.7	735.2	769.36		770.76	0.000858	10.14	30637.82	1130.08	0.31
1	2075373*	Max WS	none, 25 yr	250359.5	735.2	769.35		770.76	0.000858	10.14	30635.95	1130.07	0.31
1	2075373*	Max WS	PropLW10US	162330.4	735.2	762.44		763.46	0.000819	8.51	23032.55	1068.85	0.29
1	2075373*	Max WS	none, 10 yr	162316.2	735.2	762.44		763.46	0.000819	8.52	23029.48	1068.82	0.29
1	2075373*	1 Turb	PropLW2gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.82	710.1	0.16
1	2075373*	1 Turb	none, 2 gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.56	710.09	0.16
1	2075373*	1 Turb	PropLW1gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.33	674.98	0.13
1	2075373*	1 Turb	none, 1 gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.12	674.97	0.13
1	2075274	Max WS	PropLW100US	367207.5	735	777.01		778.94	0.00091	11.99	40371.43	1383.37	0.33
1	2075274	Max WS	none, 100 yr	367204.7	735	777.01		778.94	0.00091	11.99	40370.59	1383.33	0.33
1	2075274	Max WS	PropLW25US	250367.5	735	769.28		770.68	0.000857	10.15	30920.78	1150.9	0.31
1	2075274	Max WS	none, 25 yr	250359	735	769.28		770.68	0.000857	10.15	30919.09	1150.89	0.31
1	2075274	Max WS	PropLW10US	162330.3	735	762.36		763.38	0.000819	8.53	23181.92	1085.85	0.29
1	2075274	Max WS	none, 10 yr	162252.8	735	762.36		763.38	0.000818	8.53	23178.87	1085.82	0.29
1	2075274	1 Turb	PropLW2gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	none, 2 gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	PropLW1gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2075274	1 Turb	none, 1 gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2073994	Max WS	PropLW100US	367024.4	735	775.72		777.71	0.000992	12.09	38516.48	1293.84	0.34
1	2073994	Max WS	none, 100 yr	367022.9	735	775.72		777.71	0.000992	12.09	38515.53	1293.82	0.34
1	2073994	Max WS	PropLW25US	250001.6	735	767.94		769.49	0.001006	10.54	29061.13	1164.18	0.33
1	2073994	Max WS	none, 25 yr	249998.7	735	767.94		769.49	0.001006	10.54	29059.64	1164.17	0.33
1	2073994	Max WS	PropLW10US	162077.5	735	761.07		762.22	0.001003	8.96	21372.12	1065.37	0.31
1	2073994	Max WS	none, 10 yr	162008	735	761.07		762.21	0.001003	8.95	21369.45	1065.32	0.31
1	2073994	1 Turb	PropLW2gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	none, 2 gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	PropLW1gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2073994	1 Turb	none, 1 gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2071514	Max WS	PropLW100US	366910.2	732	774.28		775.54	0.000667	10.25	53229.52	1881.81	0.28
1	2071514	Max WS	none, 100 yr	366854.1	732	774.28		775.54	0.000667	10.25	53228.6	1881.79	0.28
1	2071514	Max WS	PropLW25US	249676.8	732	766.25		767.31	0.00071	9.18	38734.64	1742.13	0.28

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1	2071514	Max WS	none, 25 yr	249672.7	732	766.25		767.31	0.00071	9.18	38732.62	1742.11	0.28
1	2071514	Max WS	PropLW10US	161666.4	732	759.14		760.02	0.000758	8.1	26700.46	1640.38	0.28
1	2071514	Max WS	none, 10 yr	161658.7	732	759.14		760.01	0.000759	8.1	26696.86	1640.34	0.28
1	2071514	1 Turb	PropLW2gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13
1	2071514	1 Turb	none, 2 gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13
1	2071514	1 Turb	PropLW1gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2071514	1 Turb	none, 1 gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2069432	Max WS	PropLW100US	366644.1	731	772.68		774.15	0.000665	10.16	44729.68	1546.99	0.28
1	2069432	Max WS	none, 100 yr	366642.2	731	772.68		774.15	0.000665	10.16	44729.02	1546.95	0.28
1	2069432	Max WS	PropLW25US	249311.4	731	764.75		765.86	0.000652	8.74	33608.95	1296.32	0.27
1	2069432	Max WS	none, 25 yr	249309.3	731	764.75		765.86	0.000652	8.74	33607.69	1296.3	0.27
1	2069432	Max WS	PropLW10US	161470.3	731	757.72		758.53	0.000633	7.36	24862.45	1198.89	0.25
1	2069432	Max WS	none, 10 yr	161461.4	731	757.72		758.53	0.000633	7.36	24860.33	1198.87	0.25
1	2069432	1 Turb	PropLW2gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	none, 2 gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	PropLW1gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2069432	1 Turb	none, 1 gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2067614	Max WS	PropLW100US	366290.5	729.99	769.97		772.62	0.001318	13.82	34222.94	1416.01	0.39
1	2067614	Max WS	none, 100 yr	366292	729.99	769.97		772.61	0.001318	13.82	34222.34	1415.97	0.39
1	2067614	Max WS	PropLW25US	248760.4	729.99	762.18		764.22	0.001332	11.99	24684.97	1065.05	0.38
1	2067614	Max WS	none, 25 yr	248674.2	729.99	762.18		764.22	0.001331	11.99	24684.19	1065.03	0.38
1	2067614	Max WS	PropLW10US	161105.1	729.99	755.34		756.85	0.001326	10.17	18008.69	911.15	0.36
1	2067614	Max WS	none, 10 yr	161101.4	729.99	755.34		756.84	0.001326	10.17	18007.3	911.13	0.36
1	2067614	1 Turb	PropLW2gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	none, 2 gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	PropLW1gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2067614	1 Turb	none, 1 gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2065668	Max WS	PropLW100US	366196.8	728.98	768.7		770.36	0.000758	10.47	39389.8	1545.99	0.29
1	2065668	Max WS	none, 100 yr	366197.7	728.98	768.7		770.36	0.000758	10.47	39389.24	1545.93	0.29
1	2065668	Max WS	PropLW25US	248498.5	728.98	760.85		762.07	0.000742	8.93	29565.78	1075.66	0.28
1	2065668	Max WS	none, 25 yr	248501.4	728.98	760.85		762.06	0.000742	8.93	29565.05	1075.65	0.28
1	2065668	Max WS	PropLW10US	160922.1	728.98	753.9		754.77	0.000728	7.49	22329.77	1011.48	0.27
1	2065668	Max WS	none, 10 yr	160875.9	728.98	753.9		754.77	0.000728	7.49	22328.59	1011.47	0.27
1	2065668	1 Turb	PropLW2gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	none, 2 gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	PropLW1gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04
1	2065668	1 Turb	none, 1 gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04

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1	2062467	Max WS	PropLW100US	366114.9	726	767.62		768.5	0.000328	7.72	58293.52	2919.44	0.22
1	2062467	Max WS	none, 100 yr	366112.8	726	767.62		768.5	0.000328	7.72	58292.27	2919.42	0.22
1	2062467	Max WS	PropLW25US	248342.7	726	759.63		760.31	0.000333	6.68	40467.61	1530.97	0.21
1	2062467	Max WS	none, 25 yr	248342.7	726	759.63		760.31	0.000333	6.68	40466.39	1530.96	0.21
1	2062467	Max WS	PropLW10US	160746.4	726	752.54		753.04	0.000341	5.69	29866.56	1458.78	0.2
1	2062467	Max WS	none, 10 yr	160705	726	752.54		753.04	0.000341	5.68	29864.95	1458.77	0.2
1	2062467	1 Turb	PropLW2gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04
1	2062467	1 Turb	none, 2 gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04
1	2062467	1 Turb	PropLW1gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2062467	1 Turb	none, 1 gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2060482	Max WS	PropLW100US	366136.2	726.11	767.49		767.93	0.0002	5.96	75130.94	3049.58	0.17
1	2060482	Max WS	none, 100 yr	366110.9	726.11	767.49		767.93	0.0002	5.96	75129.26	3049.56	0.17
1	2060482	Max WS	PropLW25US	248334.4	726.11	759.35		759.74	0.00023	5.45	52225.42	2485.15	0.17
1	2060482	Max WS	none, 25 yr	248329.4	726.11	759.35		759.74	0.00023	5.45	52223.64	2485.08	0.17
1	2060482	Max WS	PropLW10US	160671.3	726.11	752.1		752.43	0.000275	4.97	36836.03	2060.92	0.18
1	2060482	Max WS	none, 10 yr	160664.8	726.11	752.1		752.43	0.000275	4.97	36833.77	2060.91	0.18
1	2060482	1 Turb	PropLW2gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	none, 2 gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	PropLW1gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2060482	1 Turb	none, 1 gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2057929	Max WS	PropLW100US	366115.3	715.14	766.13		767.28	0.000419	8.83	49824.51	2042.09	0.25
1	2057929	Max WS	none, 100 yr	366107.1	715.14	766.13		767.28	0.000419	8.83	49823.88	2042.07	0.25
1	2057929	Max WS	PropLW25US	248294.1	715.14	758.06		758.97	0.000434	7.74	35138.8	1490.35	0.24
1	2057929	Max WS	none, 25 yr	248284.5	715.14	758.05		758.97	0.000434	7.74	35137.8	1490.27	0.24
1	2057929	Max WS	PropLW10US	160584.6	715.14	750.91		751.57	0.00043	6.51	25622.73	1215.3	0.23
1	2057929	Max WS	none, 10 yr	160575.3	715.14	750.91		751.57	0.00043	6.51	25621.76	1215.28	0.23
1	2057929	1 Turb	PropLW2gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	none, 2 gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	PropLW1gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2057929	1 Turb	none, 1 gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2056361	Max WS	PropLW100US	366104.8	707.2	764.19		766.58	0.000773	12.7	34698.74	1411.41	0.33
1	2056361	Max WS	none, 100 yr	366097.3	707.2	764.18		766.58	0.000773	12.7	34698.14	1411.39	0.33
1	2056361	Max WS	PropLW25US	248271.1	707.2	756.43		758.17	0.000706	10.68	25517.77	962.68	0.31
1	2056361	Max WS	none, 25 yr	248261.5	707.2	756.43		758.17	0.000706	10.68	25517.18	962.65	0.31
1	2056361	Max WS	PropLW10US	160467.6	707.2	749.68		750.8	0.00059	8.53	19720.15	778.33	0.27
1	2056361	Max WS	none, 10 yr	160429.4	707.2	749.68		750.8	0.00059	8.53	19719.82	778.32	0.27
1	2056361	1 Turb	PropLW2gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03
1	2056361	1 Turb	none, 2 gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (Low Water Crossing Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2056361	1 Turb	PropLW1gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2056361	1 Turb	none, 1 gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2055128	Max WS	PropLW100US	366104.3	720	763.41		765.61	0.00073	12.06	34735.05	1288.47	0.33
1	2055128	Max WS	none, 100 yr	366096.4	720	763.41		765.61	0.00073	12.06	34734.58	1288.45	0.33
1	2055128	Max WS	PropLW25US	248269.4	720	755.72		757.3	0.000673	10.14	26069.15	977.93	0.3
1	2055128	Max WS	none, 25 yr	248258.5	720	755.72		757.3	0.000673	10.14	26068.62	977.9	0.3
1	2055128	Max WS	PropLW10US	160334.7	720	749.04		750.07	0.000578	8.16	20176.43	828.36	0.27
1	2055128	Max WS	none, 10 yr	160294.6	720	749.04		750.07	0.000578	8.16	20176.27	828.35	0.27
1	2055128	1 Turb	PropLW2gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	none, 2 gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	PropLW1gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2055128	1 Turb	none, 1 gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2053714	Max WS	PropLW100US	366103.3	720	762.79		764.58	0.000679	10.95	38472.79	1559.02	0.31
1	2053714	Max WS	none, 100 yr	366094.9	720	762.78		764.58	0.000679	10.95	38472.21	1558.98	0.31
1	2053714	Max WS	PropLW25US	248252.1	720	754.95		756.33	0.000697	9.52	28153.25	1160.27	0.3
1	2053714	Max WS	none, 25 yr	248240.5	720	754.95		756.33	0.000697	9.52	28152.54	1160.24	0.3
1	2053714	Max WS	PropLW10US	160103.7	720	748.2		749.18	0.000685	7.98	20868.95	1028.64	0.29
1	2053714	Max WS	none, 10 yr	160063.2	720	748.2		749.18	0.000685	7.98	20869.07	1028.64	0.29
1	2053714	1 Turb	PropLW2gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	none, 2 gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	PropLW1gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2053714	1 Turb	none, 1 gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2051892. Cold Spring	Max WS	PropLW100US	366127.7	718	761.74		763.35	0.000616	10.23	38033.75	1251.26	0.3
1	2051892. Cold Spring	Max WS	none, 100 yr	366118.1	718	761.74		763.35	0.000616	10.23	38033.36	1251.25	0.3
1	2051892. Cold Spring	Max WS	PropLW25US	248270.9	718	753.88		755.09	0.000633	8.85	28895.32	1099.54	0.29
1	2051892. Cold Spring	Max WS	none, 25 yr	248248	718	753.88		755.09	0.000633	8.85	28894.85	1099.53	0.29
1	2051892. Cold Spring	Max WS	PropLW10US	160108	718	747.11		747.97	0.000636	7.45	21735.33	1020.83	0.28
1	2051892. Cold Spring	Max WS	none, 10 yr	160078.1	718	747.11		747.97	0.000636	7.45	21735.45	1020.83	0.28
1	2051892. Cold Spring	1 Turb	PropLW2gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892. Cold Spring	1 Turb	none, 2 gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892. Cold Spring	1 Turb	PropLW1gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051892. Cold Spring	1 Turb	none, 1 gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051005	Max WS	PropLW100US	366126.5	710	760.33		762.77	0.000805	12.62	30492.07	844.45	0.34
1	2051005	Max WS	none, 100 yr	366117.2	710	760.33		762.77	0.000805	12.62	30491.92	844.45	0.34
1	2051005	Max WS	PropLW25US	248259.6	710	752.83		754.51	0.000716	10.45	24501.89	775.94	0.31
1	2051005	Max WS	none, 25 yr	248234.8	710	752.83		754.51	0.000715	10.45	24501.65	775.94	0.31
1	2051005	Max WS	PropLW10US	160100.5	710	746.36		747.43	0.000596	8.32	19548.04	754.78	0.27

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (Low Water Crossing Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2051005	Max WS	none, 10 yr	160077.4	710	746.36		747.43	0.000595	8.32	19548.13	754.78	0.27
1	2051005	1 Turb	PropLW2gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	none, 2 gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	PropLW1gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01
1	2051005	1 Turb	none, 1 gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01
1	2050874	Max WS	PropLW100US	366136	713.5	759.94	739.06	762.68	0.000887	13.41	28830.29	769.71	0.36
1	2050874	Max WS	none, 100 yr	366126.2	713.5	759.94	739.05	762.68	0.000887	13.41	28830.15	769.71	0.36
1	2050874	Max WS	PropLW25US	248267.4	713.5	752.53	733.9	754.42	0.000779	11.08	23208.6	746.84	0.33
1	2050874	Max WS	none, 25 yr	248242.8	713.5	752.53	733.9	754.42	0.000779	11.08	23208.46	746.84	0.33
1	2050874	Max WS	PropLW10US	160109.8	713.5	746.16	729.41	747.35	0.000635	8.76	18540.67	707.2	0.29
1	2050874	Max WS	none, 10 yr	160087.7	713.5	746.16	729.41	747.35	0.000635	8.76	18540.71	707.2	0.29
1	2050874	1 Turb	PropLW2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	PropLW1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050874	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050823	US Hwy 281		Bridge									
1	2050773	Max WS	PropLW100US	366135.9	713.5	759.8		762.56	0.000896	13.44	28734.33	769.4	0.36
1	2050773	Max WS	none, 100 yr	366126.1	713.5	759.8		762.56	0.000896	13.44	28734.19	769.4	0.36
1	2050773	Max WS	PropLW25US	248267.2	713.5	752.42		754.32	0.000788	11.11	23132.26	746.42	0.33
1	2050773	Max WS	none, 25 yr	248242.8	713.5	752.42		754.32	0.000788	11.11	23132.08	746.42	0.33
1	2050773	Max WS	PropLW10US	160108.8	713.5	746.07		747.27	0.000641	8.78	18488.67	706.21	0.29
1	2050773	Max WS	none, 10 yr	160107	713.5	746.07		747.27	0.000641	8.78	18488.67	706.21	0.29
1	2050773	1 Turb	PropLW2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	PropLW1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050773	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050639	Max WS	PropLW100US	366135.8	714.21	759.05		762.43	0.001187	14.79	25529.57	738.06	0.41
1	2050639	Max WS	none, 100 yr	366126	714.21	759.05		762.43	0.001187	14.79	25529.39	738.06	0.41
1	2050639	Max WS	PropLW25US	248254.6	714.21	751.86		754.2	0.00107	12.29	20506.67	672.6	0.38
1	2050639	Max WS	none, 25 yr	248242.6	714.21	751.86		754.2	0.00107	12.29	20506.54	672.6	0.38
1	2050639	Max WS	PropLW10US	160088.6	714.21	745.67		747.17	0.000904	9.81	16417.45	649.32	0.34
1	2050639	Max WS	none, 10 yr	160087.6	714.21	745.67		747.17	0.000904	9.81	16417.53	649.32	0.34
1	2050639	1 Turb	PropLW2gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	none, 2 gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	PropLW1gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02
1	2050639	1 Turb	none, 1 gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (10-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2076349. Wirtz Dam	Max WS	Prop10_100US	367598	731	779.38		781.34	0.000794	11.96	39224.9	1168.3	0.31
1	2076349. Wirtz Dam	Max WS	none, 100 yr	367335.6	731	777.82		779.91	0.000888	12.36	37459.91	1113.6	0.33
1	2076349. Wirtz Dam	Max WS	Prop10_25US	250870.3	731	770.61		772.04	0.000759	10.17	29951.87	981.68	0.29
1	2076349. Wirtz Dam	Max WS	none, 25 yr	250614.2	731	770.1		771.58	0.000794	10.31	29457.32	976.46	0.3
1	2076349. Wirtz Dam	Max WS	Prop10_10US	162518.4	731	763.62		764.58	0.000659	8.26	23318.23	923.26	0.26
1	2076349. Wirtz Dam	Max WS	none, 10 yr	162450.8	731	763.22		764.21	0.000691	8.38	22944.14	920.92	0.27
1	2076349. Wirtz Dam	1 Turb	Prop10_2gen	9400	731	742.41		742.46	0.00014	1.73	5691.77	707.61	0.1
1	2076349. Wirtz Dam	1 Turb	none, 2 gen	9400	731	742.2		742.25	0.000151	1.77	5542.82	703.36	0.1
1	2076349. Wirtz Dam	1 Turb	Prop10_1gen	4700	731	740.54		740.56	0.000075	1.09	4408.8	657.98	0.07
1	2076349. Wirtz Dam	1 Turb	none, 1 gen	4700	731	740.31		740.33	0.000083	1.12	4263.14	651.45	0.07
1	2075869	Max WS	Prop10_100US	365779.3	736	779.11		780.9	0.000786	11.37	39855.26	1209.43	0.31
1	2075869	Max WS	none, 100 yr	367269.3	736	777.51		779.45	0.000897	11.84	37968.13	1152.79	0.32
1	2075869	Max WS	Prop10_25US	250825.6	736	770.29		771.65	0.000803	9.86	30128.75	1033.26	0.3
1	2075869	Max WS	none, 25 yr	250485	736	769.76		771.17	0.000845	10.01	29588.39	1028.21	0.3
1	2075869	Max WS	Prop10_10US	162450.5	736	763.28		764.24	0.000753	8.2	23045.26	991.03	0.28
1	2075869	Max WS	none, 10 yr	162382.4	736	762.86		763.85	0.000795	8.34	22622.06	988.58	0.28
1	2075869	1 Turb	Prop10_2gen	9400	736	742.27		742.35	0.000414	2.27	4276.95	749.94	0.16
1	2075869	1 Turb	none, 2 gen	9400	736	742.05		742.13	0.000469	2.36	4109.13	742.34	0.17
1	2075869	1 Turb	Prop10_1gen	4700	736	740.45		740.49	0.000333	1.62	2952.65	707.75	0.14
1	2075869	1 Turb	none, 1 gen	4700	736	740.22		740.27	0.0004	1.71	2787.84	702.69	0.15
1	2075621*	Max WS	Prop10_100US	365775.8	735.6	778.93		780.72	0.000792	11.44	40922.18	1317.56	0.31
1	2075621*	Max WS	none, 100 yr	367205	735.6	777.29		779.24	0.000906	11.92	38840.73	1235.25	0.33
1	2075621*	Max WS	Prop10_25US	250745.8	735.6	770.09		771.46	0.00081	9.93	30631.28	1082.52	0.3
1	2075621*	Max WS	none, 25 yr	250360.2	735.6	769.55		770.97	0.000855	10.09	30049.36	1078.32	0.31
1	2075621*	Max WS	Prop10_10US	162385.4	735.6	763.09		764.06	0.000765	8.29	23228.41	1030.29	0.28
1	2075621*	Max WS	none, 10 yr	162316.8	735.6	762.65		763.65	0.00081	8.44	22775.48	1026.77	0.29
1	2075621*	1 Turb	Prop10_2gen	9400	735.6	742.18		742.25	0.000386	2.25	4315.19	728.17	0.16
1	2075621*	1 Turb	none, 2 gen	9400	735.6	741.94		742.02	0.000438	2.33	4142.54	721.21	0.17
1	2075621*	1 Turb	Prop10_1gen	4700	735.6	740.38		740.42	0.00029	1.57	3043.89	689.52	0.13
1	2075621*	1 Turb	none, 1 gen	4700	735.6	740.13		740.17	0.000349	1.66	2872.76	684.61	0.14
1	**2075572***	**Max WS**	**Prop10_100US**	**365775.2**	**735.5**	**778.89**	**756.63**	**780.68**	**0.000792**	**11.44**	**41168.3**	**1341.61**	**0.31**
1	**2075572***	**Max WS**	**none, 100 yr**	**367205**	**735.5**	**777.25**		**779.2**	**0.000907**	**11.93**	**39042.27**	**1255.94**	**0.33**
1	**2075572***	**Max WS**	**Prop10_25US**	**250745.4**	**735.5**	**770.06**	**752.18**	**771.42**	**0.000811**	**9.94**	**30752.68**	**1092.89**	**0.3**
1	**2075572***	**Max WS**	**none, 25 yr**	**250360.1**	**735.5**	**769.51**		**770.93**	**0.000855**	**10.1**	**30162.56**	**1088.43**	**0.31**
1	**2075572***	**Max WS**	**Prop10_10US**	**162385.4**	**735.5**	**763.05**	**748.13**	**764.02**	**0.000766**	**8.3**	**23281.8**	**1038.92**	**0.28**
1	**2075572***	**Max WS**	**none, 10 yr**	**162316.7**	**735.5**	**762.6**		**763.61**	**0.000812**	**8.45**	**22822.42**	**1034.98**	**0.29**
1	**2075572***	**1 Turb**	**Prop10_2gen**	**9400**	**735.5**	**742.16**	**737.53**	**742.23**	**0.000378**	**2.24**	**4334.01**	**724.02**	**0.15**
1	**2075572***	**1 Turb**	**none, 2 gen**	**9400**	**735.5**	**741.92**		**742**	**0.000429**	**2.32**	**4160.52**	**718.38**	**0.16**
1	**2075572***	**1 Turb**	**Prop10_1gen**	**4700**	**735.5**	**740.36**	**736.82**	**740.4**	**0.00028**	**1.55**	**3070.79**	**686.44**	**0.13**
1	**2075572***	**1 Turb**	**none, 1 gen**	**4700**	**735.5**	**740.11**		**740.15**	**0.000337**	**1.64**	**2898.64**	**681.42**	**0.14**

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (10-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2075472		Bridge										
1	2075373*	Max WS	Prop10_100US	367282.6	735.2	777.09		779.03	0.000911	11.98	39890.04	1339.38	0.33
1	2075373*	Max WS	none, 100 yr	367204.8	735.2	777.09		779.03	0.000911	11.98	39886.69	1339.24	0.33
1	2075373*	Max WS	Prop10_25US	250367.5	735.2	769.36		770.76	0.000858	10.14	30638.02	1130.09	0.31
1	2075373*	Max WS	none, 25 yr	250359.5	735.2	769.35		770.76	0.000858	10.14	30635.95	1130.07	0.31
1	2075373*	Max WS	Prop10_10US	162321.6	735.2	762.44		763.46	0.000819	8.51	23031.18	1068.84	0.29
1	2075373*	Max WS	none, 10 yr	162316.2	735.2	762.44		763.46	0.000819	8.52	23029.48	1068.82	0.29
1	2075373*	1 Turb	Prop10_2gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.82	710.1	0.16
1	2075373*	1 Turb	none, 2 gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.56	710.09	0.16
1	2075373*	1 Turb	Prop10_1gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.33	674.98	0.13
1	2075373*	1 Turb	none, 1 gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.12	674.97	0.13
1	2075274	Max WS	Prop10_100US	367217.5	735	777.01		778.94	0.00091	11.99	40374.05	1383.48	0.33
1	2075274	Max WS	none, 100 yr	367204.7	735	777.01		778.94	0.00091	11.99	40370.59	1383.33	0.33
1	2075274	Max WS	Prop10_25US	250367.4	735	769.28		770.68	0.000857	10.15	30921.05	1150.91	0.31
1	2075274	Max WS	none, 25 yr	250359	735	769.28		770.68	0.000857	10.15	30919.09	1150.89	0.31
1	2075274	Max WS	Prop10_10US	162321.3	735	762.36		763.38	0.000819	8.53	23180.66	1085.84	0.29
1	2075274	Max WS	none, 10 yr	162252.8	735	762.36		763.38	0.000818	8.53	23178.87	1085.82	0.29
1	2075274	1 Turb	Prop10_2gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	none, 2 gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	Prop10_1gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2075274	1 Turb	none, 1 gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2073994	Max WS	Prop10_100US	367092.2	735	775.72		777.71	0.000992	12.1	38518.77	1293.88	0.34
1	2073994	Max WS	none, 100 yr	367022.9	735	775.72		777.71	0.000992	12.09	38515.53	1293.82	0.34
1	2073994	Max WS	Prop10_25US	250002.7	735	767.94		769.49	0.001006	10.54	29061.35	1164.18	0.33
1	2073994	Max WS	none, 25 yr	249998.7	735	767.94		769.49	0.001006	10.54	29059.64	1164.17	0.33
1	2073994	Max WS	Prop10_10US	162071	735	761.07		762.22	0.001003	8.96	21370.95	1065.35	0.31
1	2073994	Max WS	none, 10 yr	162008	735	761.07		762.21	0.001003	8.95	21369.45	1065.32	0.31
1	2073994	1 Turb	Prop10_2gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	none, 2 gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	Prop10_1gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2073994	1 Turb	none, 1 gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2071514	Max WS	Prop10_100US	366973.3	732	774.29		775.55	0.000667	10.26	53232.74	1881.86	0.28
1	2071514	Max WS	none, 100 yr	366854.1	732	774.28		775.54	0.000667	10.25	53228.6	1881.79	0.28
1	2071514	Max WS	Prop10_25US	249678.3	732	766.25		767.31	0.00071	9.18	38735.06	1742.13	0.28
1	2071514	Max WS	none, 25 yr	249672.7	732	766.25		767.31	0.00071	9.18	38732.62	1742.11	0.28
1	2071514	Max WS	Prop10_10US	161660.7	732	759.14		760.02	0.000759	8.1	26698.86	1640.36	0.28
1	2071514	Max WS	none, 10 yr	161658.7	732	759.14		760.01	0.000759	8.1	26696.86	1640.34	0.28

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (10-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2071514	1 Turb	Prop10_2gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13
1	2071514	1 Turb	none, 2 gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13
1	2071514	1 Turb	Prop10_1gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2071514	1 Turb	none, 1 gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2069432	Max WS	Prop10_100US	366701.6	731	772.68		774.15	0.000665	10.17	44731.86	1547.12	0.28
1	2069432	Max WS	none, 100 yr	366642.2	731	772.68		774.15	0.000665	10.16	44729.02	1546.95	0.28
1	2069432	Max WS	Prop10_25US	249313.4	731	764.76		765.86	0.000652	8.74	33609.27	1296.33	0.27
1	2069432	Max WS	none, 25 yr	249309.3	731	764.75		765.86	0.000652	8.74	33607.69	1296.3	0.27
1	2069432	Max WS	Prop10_10US	161464.2	731	757.72		758.53	0.000633	7.36	24861.35	1198.88	0.25
1	2069432	Max WS	none, 10 yr	161461.4	731	757.72		758.53	0.000633	7.36	24860.33	1198.87	0.25
1	2069432	1 Turb	Prop10_2gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	none, 2 gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	Prop10_1gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2069432	1 Turb	none, 1 gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2067614	Max WS	Prop10_100US	366338.1	729.99	769.97		772.62	0.001319	13.82	34224.5	1416.1	0.39
1	2067614	Max WS	none, 100 yr	366292	729.99	769.97		772.61	0.001318	13.82	34222.34	1415.97	0.39
1	2067614	Max WS	Prop10_25US	248760.9	729.99	762.18		764.22	0.001332	11.99	24685.04	1065.05	0.38
1	2067614	Max WS	none, 25 yr	248674.2	729.99	762.18		764.22	0.001331	11.99	24684.19	1065.03	0.38
1	2067614	Max WS	Prop10_10US	161101.1	729.99	755.34		756.84	0.001326	10.17	18007.97	911.14	0.36
1	2067614	Max WS	none, 10 yr	161101.4	729.99	755.34		756.84	0.001326	10.17	18007.3	911.13	0.36
1	2067614	1 Turb	Prop10_2gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	none, 2 gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	Prop10_1gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2067614	1 Turb	none, 1 gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2065668	Max WS	Prop10_100US	366195.9	728.98	768.7		770.36	0.000758	10.47	39391.5	1546.18	0.29
1	2065668	Max WS	none, 100 yr	366197.7	728.98	768.7		770.36	0.000758	10.47	39389.24	1545.93	0.29
1	2065668	Max WS	Prop10_25US	248498.6	728.98	760.85		762.07	0.000742	8.93	29566.04	1075.66	0.28
1	2065668	Max WS	none, 25 yr	248501.4	728.98	760.85		762.06	0.000742	8.93	29565.05	1075.65	0.28
1	2065668	Max WS	Prop10_10US	160919.2	728.98	753.9		754.77	0.000728	7.49	22329.15	1011.47	0.27
1	2065668	Max WS	none, 10 yr	160875.9	728.98	753.9		754.77	0.000728	7.49	22328.59	1011.47	0.27
1	2065668	1 Turb	Prop10_2gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	none, 2 gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	Prop10_1gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04
1	2065668	1 Turb	none, 1 gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04
1	2062467	Max WS	Prop10_100US	366151.9	726	767.62		768.5	0.000328	7.72	58296.73	2919.48	0.22
1	2062467	Max WS	none, 100 yr	366112.8	726	767.62		768.5	0.000328	7.72	58292.27	2919.42	0.22
1	2062467	Max WS	Prop10_25US	248343.6	726	759.63		760.31	0.000333	6.68	40467.7	1530.97	0.21
1	2062467	Max WS	none, 25 yr	248342.7	726	759.63		760.31	0.000333	6.68	40466.39	1530.96	0.21

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (10-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2062467	Max WS	Prop10_10US	160705.1	726	752.54		753.04	0.000341	5.68	29865.84	1458.78	0.2
1	2062467	Max WS	none, 10 yr	160705	726	752.54		753.04	0.000341	5.68	29864.95	1458.77	0.2
1	2062467	1 Turb	Prop10_2gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04
1	2062467	1 Turb	none, 2 gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04
1	2062467	1 Turb	Prop10_1gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2062467	1 Turb	none, 1 gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2060482	Max WS	Prop10_100US	366148.3	726.11	767.49		767.93	0.0002	5.96	75134.28	3049.62	0.17
1	2060482	Max WS	none, 100 yr	366110.9	726.11	767.49		767.93	0.0002	5.96	75129.26	3049.56	0.17
1	2060482	Max WS	Prop10_25US	248335	726.11	759.35		759.74	0.00023	5.45	52225.7	2485.16	0.17
1	2060482	Max WS	none, 25 yr	248329.4	726.11	759.35		759.74	0.00023	5.45	52223.64	2485.08	0.17
1	2060482	Max WS	Prop10_10US	160667.1	726.11	752.1		752.43	0.000275	4.97	36835.03	2060.92	0.18
1	2060482	Max WS	none, 10 yr	160664.8	726.11	752.1		752.43	0.000275	4.97	36833.77	2060.91	0.18
1	2060482	1 Turb	Prop10_2gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	none, 2 gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	Prop10_1gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2060482	1 Turb	none, 1 gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2057929	Max WS	Prop10_100US	366143.3	715.14	766.13		767.28	0.000419	8.83	49826.75	2042.17	0.25
1	2057929	Max WS	none, 100 yr	366107.1	715.14	766.13		767.28	0.000419	8.83	49823.88	2042.07	0.25
1	2057929	Max WS	Prop10_25US	248295.5	715.14	758.06		758.97	0.000434	7.74	35138.99	1490.36	0.24
1	2057929	Max WS	none, 25 yr	248284.5	715.14	758.05		758.97	0.000434	7.74	35137.8	1490.27	0.24
1	2057929	Max WS	Prop10_10US	160579.2	715.14	750.91		751.57	0.00043	6.51	25622.36	1215.29	0.23
1	2057929	Max WS	none, 10 yr	160575.3	715.14	750.91		751.57	0.00043	6.51	25621.76	1215.28	0.23
1	2057929	1 Turb	Prop10_2gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	none, 2 gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	Prop10_1gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2057929	1 Turb	none, 1 gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2056361	Max WS	Prop10_100US	366132.7	707.2	764.19		766.59	0.000773	12.7	34700.12	1411.46	0.33
1	2056361	Max WS	none, 100 yr	366097.3	707.2	764.18		766.58	0.000773	12.7	34698.14	1411.39	0.33
1	2056361	Max WS	Prop10_25US	248273.1	707.2	756.43		758.17	0.000706	10.68	25517.77	962.68	0.31
1	2056361	Max WS	none, 25 yr	248261.5	707.2	756.43		758.17	0.000706	10.68	25517.18	962.65	0.31
1	2056361	Max WS	Prop10_10US	160431.8	707.2	749.68		750.8	0.00059	8.53	19720.01	778.32	0.27
1	2056361	Max WS	none, 10 yr	160429.4	707.2	749.68		750.8	0.00059	8.53	19719.82	778.32	0.27
1	2056361	1 Turb	Prop10_2gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03
1	2056361	1 Turb	none, 2 gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03
1	2056361	1 Turb	Prop10_1gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2056361	1 Turb	none, 1 gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2055128	Max WS	Prop10_100US	366131.7	720	763.41		765.61	0.00073	12.06	34736.23	1288.51	0.33
1	2055128	Max WS	none, 100 yr	366096.4	720	763.41		765.61	0.00073	12.06	34734.58	1288.45	0.33

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (10-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2055128	Max WS	Prop10_25US	248271.3	720	755.72		757.3	0.000673	10.14	26069.15	977.93	0.3
1	2055128	Max WS	none, 25 yr	248258.5	720	755.72		757.3	0.000673	10.14	26068.62	977.9	0.3
1	2055128	Max WS	Prop10_10US	160331.5	720	749.04		750.07	0.000578	8.16	20176.27	828.35	0.27
1	2055128	Max WS	none, 10 yr	160294.6	720	749.04		750.07	0.000578	8.16	20176.27	828.35	0.27
1	2055128	1 Turb	Prop10_2gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	none, 2 gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	Prop10_1gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2055128	1 Turb	none, 1 gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2053714	Max WS	Prop10_100US	366125.9	720	762.79		764.58	0.000679	10.95	38474.21	1559.11	0.31
1	2053714	Max WS	none, 100 yr	366094.9	720	762.78		764.58	0.000679	10.95	38472.21	1558.98	0.31
1	2053714	Max WS	Prop10_25US	248253.9	720	754.95		756.33	0.000697	9.52	28153.25	1160.27	0.3
1	2053714	Max WS	none, 25 yr	248240.5	720	754.95		756.33	0.000697	9.52	28152.54	1160.24	0.3
1	2053714	Max WS	Prop10_10US	160102.3	720	748.2		749.18	0.000685	7.98	20868.82	1028.64	0.29
1	2053714	Max WS	none, 10 yr	160063.2	720	748.2		749.18	0.000685	7.98	20869.07	1028.64	0.29
1	2053714	1 Turb	Prop10_2gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	none, 2 gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	Prop10_1gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2053714	1 Turb	none, 1 gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2051892. Cold Spring	Max WS	Prop10_100US	366151.8	718	761.74		763.35	0.000616	10.23	38034.73	1251.29	0.3
1	2051892. Cold Spring	Max WS	none, 100 yr	366118.1	718	761.74		763.35	0.000616	10.23	38033.36	1251.25	0.3
1	2051892. Cold Spring	Max WS	Prop10_25US	248272.7	718	753.88		755.09	0.000633	8.85	28895.38	1099.54	0.29
1	2051892. Cold Spring	Max WS	none, 25 yr	248248	718	753.88		755.09	0.000633	8.85	28894.85	1099.53	0.29
1	2051892. Cold Spring	Max WS	Prop10_10US	160106.5	718	747.11		747.97	0.000636	7.45	21735.2	1020.83	0.28
1	2051892. Cold Spring	Max WS	none, 10 yr	160078.1	718	747.11		747.97	0.000636	7.45	21735.45	1020.83	0.28
1	2051892. Cold Spring	1 Turb	Prop10_2gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892. Cold Spring	1 Turb	none, 2 gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892. Cold Spring	1 Turb	Prop10_1gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051892. Cold Spring	1 Turb	none, 1 gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051005	Max WS	Prop10_100US	366151.5	710	760.33		762.77	0.000805	12.62	30492.64	844.46	0.34
1	2051005	Max WS	none, 100 yr	366117.2	710	760.33		762.77	0.000805	12.62	30491.92	844.45	0.34
1	2051005	Max WS	Prop10_25US	248261.3	710	752.83		754.51	0.000716	10.45	24501.98	775.94	0.31
1	2051005	Max WS	none, 25 yr	248234.8	710	752.83		754.51	0.000715	10.45	24501.65	775.94	0.31
1	2051005	Max WS	Prop10_10US	160098.8	710	746.36		747.43	0.000596	8.32	19547.94	754.78	0.27
1	2051005	Max WS	none, 10 yr	160077.4	710	746.36		747.43	0.000595	8.32	19548.13	754.78	0.27
1	2051005	1 Turb	Prop10_2gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	none, 2 gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	Prop10_1gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01
1	2051005	1 Turb	none, 1 gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (10-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2050874	Max WS	Prop10_100US	366161.1	713.5	759.94	739.07	762.68	0.000887	13.41	28830.76	769.71	0.36
1	2050874	Max WS	none, 100 yr	366126.2	713.5	759.94	739.05	762.68	0.000887	13.41	28830.15	769.71	0.36
1	2050874	Max WS	Prop10_25US	248269.2	713.5	752.53	733.9	754.42	0.000779	11.08	23208.65	746.84	0.33
1	2050874	Max WS	none, 25 yr	248242.8	713.5	752.53	733.9	754.42	0.000779	11.08	23208.46	746.84	0.33
1	2050874	Max WS	Prop10_10US	160087	713.5	746.16	729.43	747.35	0.000635	8.76	18540.67	707.2	0.29
1	2050874	Max WS	none, 10 yr	160087.7	713.5	746.16	729.41	747.35	0.000635	8.76	18540.71	707.2	0.29
1	2050874	1 Turb	Prop10_2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	Prop10_1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050874	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050823	US Hwy 281		Bridge									
1	2050773	Max WS	Prop10_100US	366161	713.5	759.8		762.56	0.000896	13.44	28734.89	769.41	0.36
1	2050773	Max WS	none, 100 yr	366126.1	713.5	759.8		762.56	0.000896	13.44	28734.19	769.4	0.36
1	2050773	Max WS	Prop10_25US	248268.9	713.5	752.42		754.32	0.000788	11.11	23132.31	746.42	0.33
1	2050773	Max WS	none, 25 yr	248242.8	713.5	752.42		754.32	0.000788	11.11	23132.08	746.42	0.33
1	2050773	Max WS	Prop10_10US	160107	713.5	746.07		747.27	0.000641	8.78	18488.67	706.21	0.29
1	2050773	Max WS	none, 10 yr	160107	713.5	746.07		747.27	0.000641	8.78	18488.67	706.21	0.29
1	2050773	1 Turb	Prop10_2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	Prop10_1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050773	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050639	Max WS	Prop10_100US	366159.5	714.21	759.05		762.43	0.001187	14.79	25529.94	738.07	0.41
1	2050639	Max WS	none, 100 yr	366126	714.21	759.05		762.43	0.001187	14.79	25529.39	738.06	0.41
1	2050639	Max WS	Prop10_25US	248256.5	714.21	751.86		754.2	0.00107	12.29	20506.67	672.6	0.38
1	2050639	Max WS	none, 25 yr	248242.6	714.21	751.86		754.2	0.00107	12.29	20506.54	672.6	0.38
1	2050639	Max WS	Prop10_10US	160086.9	714.21	745.67		747.17	0.000904	9.81	16417.45	649.32	0.34
1	2050639	Max WS	none, 10 yr	160087.6	714.21	745.67		747.17	0.000904	9.81	16417.53	649.32	0.34
1	2050639	1 Turb	Prop10_2gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	none, 2 gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	Prop10_1gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02
1	2050639	1 Turb	none, 1 gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02
1	2050062	Max WS	Prop10_100US	366158.9	710.91	758.27		761.75	0.001174	14.98	24872.52	643.23	0.41
1	2050062	Max WS	none, 100 yr	366126.7	710.91	758.27		761.74	0.001174	14.98	24872.21	643.23	0.41
1	2050062	Max WS	Prop10_25US	248239.4	710.91	751.26		753.6	0.001016	12.29	20408.5	629.35	0.37
1	2050062	Max WS	none, 25 yr	248207.5	710.91	751.26		753.59	0.001015	12.28	20408.42	629.35	0.37
1	2050062	Max WS	Prop10_10US	160099.7	710.91	745.22		746.67	0.000816	9.66	16646.71	617.58	0.32
1	2050062	Max WS	none, 10 yr	160099.6	710.91	745.22		746.67	0.000816	9.66	16646.78	617.58	0.32
1	2050062	1 Turb	Prop10_2gen	9400	710.91	738.69		738.7	0.000007	0.74	12671.62	599.21	0.03

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (25-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2076349. Wirtz Dam	Max WS	Prop25_100US	367598	731	778.26		780.31	0.000859	12.24	37951.45	1122.7	0.32
1	2076349. Wirtz Dam	Max WS	none, 100 yr	367335.6	731	777.82		779.91	0.000888	12.36	37459.91	1113.6	0.33
1	2076349. Wirtz Dam	Max WS	Prop25_25US	250870.3	731	770.53		771.97	0.000764	10.19	29876.47	980.89	0.29
1	2076349. Wirtz Dam	Max WS	none, 25 yr	250614.2	731	770.1		771.58	0.000794	10.31	29457.32	976.46	0.3
1	2076349. Wirtz Dam	Max WS	Prop25_10US	162518.4	731	763.56		764.53	0.000663	8.27	23265.89	922.93	0.26
1	2076349. Wirtz Dam	Max WS	none, 10 yr	162450.8	731	763.22		764.21	0.000691	8.38	22944.14	920.92	0.27
1	2076349. Wirtz Dam	1 Turb	Prop25_2gen	9400	731	742.41		742.46	0.00014	1.73	5691.12	707.6	0.1
1	2076349. Wirtz Dam	1 Turb	none, 2 gen	9400	731	742.2		742.25	0.000151	1.77	5542.82	703.36	0.1
1	2076349. Wirtz Dam	1 Turb	Prop25_1gen	4700	731	740.54		740.55	0.000075	1.09	4407.84	657.94	0.07
1	2076349. Wirtz Dam	1 Turb	none, 1 gen	4700	731	740.31		740.33	0.000083	1.12	4263.14	651.45	0.07
1	2075869	Max WS	Prop25_100US	367335.8	736	777.96		779.86	0.000864	11.71	38494.95	1161.88	0.32
1	2075869	Max WS	none, 100 yr	367269.3	736	777.51		779.45	0.000897	11.84	37968.13	1152.79	0.32
1	2075869	Max WS	Prop25_25US	250743.2	736	770.21		771.58	0.000809	9.88	30046.99	1032.25	0.3
1	2075869	Max WS	none, 25 yr	250485	736	769.76		771.17	0.000845	10.01	29588.39	1028.21	0.3
1	2075869	Max WS	Prop25_10US	162450.8	736	763.22		764.18	0.000759	8.22	22986.05	990.69	0.28
1	2075869	Max WS	none, 10 yr	162382.4	736	762.86		763.85	0.000795	8.34	22622.06	988.58	0.28
1	2075869	1 Turb	Prop25_2gen	9400	736	742.27		742.35	0.000414	2.27	4276.22	749.91	0.16
1	2075869	1 Turb	none, 2 gen	9400	736	742.05		742.13	0.000469	2.36	4109.13	742.34	0.17
1	2075869	1 Turb	Prop25_1gen	4700	736	740.45		740.49	0.000333	1.62	2951.57	707.72	0.14
1	2075869	1 Turb	none, 1 gen	4700	736	740.22		740.27	0.0004	1.71	2787.84	702.69	0.15
1	2075621*	Max WS	Prop25_100US	367335.5	735.6	777.75		779.66	0.000875	11.8	39414.27	1256.98	0.32
1	2075621*	Max WS	none, 100 yr	367205	735.6	777.29		779.24	0.000906	11.92	38840.73	1235.25	0.33
1	2075621*	Max WS	Prop25_25US	250740.2	735.6	770.01		771.39	0.000817	9.96	30543.09	1081.91	0.3
1	2075621*	Max WS	none, 25 yr	250360.2	735.6	769.55		770.97	0.000855	10.09	30049.36	1078.32	0.31
1	2075621*	Max WS	Prop25_10US	162450.2	735.6	763.03		764	0.000772	8.31	23165.11	1029.8	0.28
1	2075621*	Max WS	none, 10 yr	162316.8	735.6	762.65		763.65	0.00081	8.44	22775.48	1026.77	0.29
1	2075621*	1 Turb	Prop25_2gen	9400	735.6	742.17		742.25	0.000386	2.25	4314.43	728.14	0.16
1	2075621*	1 Turb	none, 2 gen	9400	735.6	741.94		742.02	0.000438	2.33	4142.54	721.21	0.17
1	2075621*	1 Turb	Prop25_1gen	4700	735.6	740.38		740.41	0.000291	1.57	3042.8	689.49	0.13
1	2075621*	1 Turb	none, 1 gen	4700	735.6	740.13		740.17	0.000349	1.66	2872.76	684.61	0.14
1	**2075572***	**Max WS**	**Prop25_100US**	**367335.3**	**735.5**	**777.72**	**756.67**	**779.62**	**0.000875**	**11.81**	**39627.51**	**1277.73**	**0.32**
1	**2075572***	**Max WS**	**none, 100 yr**	**367205**	**735.5**	**777.25**		**779.2**	**0.000907**	**11.93**	**39042.27**	**1255.94**	**0.33**
1	**2075572***	**Max WS**	**Prop25_25US**	**250739.4**	**735.5**	**769.97**	**752.18**	**771.35**	**0.000818**	**9.97**	**30663.32**	**1092.22**	**0.3**
1	**2075572***	**Max WS**	**none, 25 yr**	**250360.1**	**735.5**	**769.51**		**770.93**	**0.000855**	**10.1**	**30162.56**	**1088.43**	**0.31**
1	**2075572***	**Max WS**	**Prop25_10US**	**162450**	**735.5**	**762.99**	**748.15**	**763.97**	**0.000773**	**8.33**	**23217.52**	**1038.41**	**0.28**
1	**2075572***	**Max WS**	**none, 10 yr**	**162316.7**	**735.5**	**762.6**		**763.61**	**0.000812**	**8.45**	**22822.42**	**1034.98**	**0.29**
1	**2075572***	**1 Turb**	**Prop25_2gen**	**9400**	**735.5**	**742.16**	**737.53**	**742.23**	**0.000378**	**2.24**	**4333.26**	**724**	**0.15**
1	**2075572***	**1 Turb**	**none, 2 gen**	**9400**	**735.5**	**741.92**		**742**	**0.000429**	**2.32**	**4160.52**	**718.38**	**0.16**
1	**2075572***	**1 Turb**	**Prop25_1gen**	**4700**	**735.5**	**740.36**	**736.82**	**740.4**	**0.00028**	**1.55**	**3069.7**	**686.41**	**0.13**
1	**2075572***	**1 Turb**	**none, 1 gen**	**4700**	**735.5**	**740.11**		**740.15**	**0.000337**	**1.64**	**2898.64**	**681.42**	**0.14**

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (25-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2075472			Bridge									
1	2075373*	Max WS	Prop25_100US	367208.1	735.2	777.09		779.03	0.000911	11.98	39887.5	1339.27	0.33
1	2075373*	Max WS	none, 100 yr	367204.8	735.2	777.09		779.03	0.000911	11.98	39886.69	1339.24	0.33
1	2075373*	Max WS	Prop25_25US	250367.2	735.2	769.36		770.76	0.000858	10.14	30637.54	1130.08	0.31
1	2075373*	Max WS	none, 25 yr	250359.5	735.2	769.35		770.76	0.000858	10.14	30635.95	1130.07	0.31
1	2075373*	Max WS	Prop25_10US	162321.2	735.2	762.44		763.46	0.000819	8.51	23031.18	1068.84	0.29
1	2075373*	Max WS	none, 10 yr	162316.2	735.2	762.44		763.46	0.000819	8.52	23029.48	1068.82	0.29
1	2075373*	1 Turb	Prop25_2gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.82	710.1	0.16
1	2075373*	1 Turb	none, 2 gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.56	710.09	0.16
1	2075373*	1 Turb	Prop25_1gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.33	674.98	0.13
1	2075373*	1 Turb	none, 1 gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.12	674.97	0.13
1	2075274	Max WS	Prop25_100US	367207.9	735	777.01		778.94	0.00091	11.99	40371.43	1383.37	0.33
1	2075274	Max WS	none, 100 yr	367204.7	735	777.01		778.94	0.00091	11.99	40370.59	1383.33	0.33
1	2075274	Max WS	Prop25_25US	250367	735	769.28		770.68	0.000857	10.15	30920.71	1150.9	0.31
1	2075274	Max WS	none, 25 yr	250359	735	769.28		770.68	0.000857	10.15	30919.09	1150.89	0.31
1	2075274	Max WS	Prop25_10US	162321	735	762.36		763.38	0.000819	8.53	23180.66	1085.84	0.29
1	2075274	Max WS	none, 10 yr	162252.8	735	762.36		763.38	0.000818	8.53	23178.87	1085.82	0.29
1	2075274	1 Turb	Prop25_2gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	none, 2 gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	Prop25_1gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2075274	1 Turb	none, 1 gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2073994	Max WS	Prop25_100US	367024.8	735	775.72		777.71	0.000992	12.09	38516.32	1293.84	0.34
1	2073994	Max WS	none, 100 yr	367022.9	735	775.72		777.71	0.000992	12.09	38515.53	1293.82	0.34
1	2073994	Max WS	Prop25_25US	250003.1	735	767.94		769.49	0.001006	10.54	29060.99	1164.18	0.33
1	2073994	Max WS	none, 25 yr	249998.7	735	767.94		769.49	0.001006	10.54	29059.64	1164.17	0.33
1	2073994	Max WS	Prop25_10US	162071	735	761.07		762.22	0.001003	8.96	21370.95	1065.35	0.31
1	2073994	Max WS	none, 10 yr	162008	735	761.07		762.21	0.001003	8.95	21369.45	1065.32	0.31
1	2073994	1 Turb	Prop25_2gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	none, 2 gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	Prop25_1gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2073994	1 Turb	none, 1 gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2071514	Max WS	Prop25_100US	366910.7	732	774.28		775.54	0.000667	10.25	53229.29	1881.81	0.28
1	2071514	Max WS	none, 100 yr	366854.1	732	774.28		775.54	0.000667	10.25	53228.6	1881.79	0.28
1	2071514	Max WS	Prop25_25US	249678.8	732	766.25		767.31	0.00071	9.18	38734.64	1742.13	0.28
1	2071514	Max WS	none, 25 yr	249672.7	732	766.25		767.31	0.00071	9.18	38732.62	1742.11	0.28
1	2071514	Max WS	Prop25_10US	161660.5	732	759.14		760.02	0.000759	8.1	26698.86	1640.36	0.28
1	2071514	Max WS	none, 10 yr	161658.7	732	759.14		760.01	0.000759	8.1	26696.86	1640.34	0.28
1	2071514	1 Turb	Prop25_2gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13
1	2071514	1 Turb	none, 2 gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (25-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2071514	1 Turb	Prop25_1gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2071514	1 Turb	none, 1 gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2069432	Max WS	Prop25_100US	366643.9	731	772.68		774.15	0.000665	10.16	44729.68	1546.99	0.28
1	2069432	Max WS	none, 100 yr	366642.2	731	772.68		774.15	0.000665	10.16	44729.02	1546.95	0.28
1	2069432	Max WS	Prop25_25US	249313.9	731	764.75		765.86	0.000652	8.74	33608.95	1296.32	0.27
1	2069432	Max WS	none, 25 yr	249309.3	731	764.75		765.86	0.000652	8.74	33607.69	1296.3	0.27
1	2069432	Max WS	Prop25_10US	161464.3	731	757.72		758.53	0.000633	7.36	24861.35	1198.88	0.25
1	2069432	Max WS	none, 10 yr	161461.4	731	757.72		758.53	0.000633	7.36	24860.33	1198.87	0.25
1	2069432	1 Turb	Prop25_2gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	none, 2 gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	Prop25_1gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2069432	1 Turb	none, 1 gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2067614	Max WS	Prop25_100US	366290.9	729.99	769.97		772.62	0.001318	13.82	34222.94	1416.01	0.39
1	2067614	Max WS	none, 100 yr	366292	729.99	769.97		772.61	0.001318	13.82	34222.34	1415.97	0.39
1	2067614	Max WS	Prop25_25US	248762.4	729.99	762.18		764.22	0.001332	11.99	24684.97	1065.05	0.38
1	2067614	Max WS	none, 25 yr	248674.2	729.99	762.18		764.22	0.001331	11.99	24684.19	1065.03	0.38
1	2067614	Max WS	Prop25_10US	161101.1	729.99	755.34		756.84	0.001326	10.17	18007.97	911.14	0.36
1	2067614	Max WS	none, 10 yr	161101.4	729.99	755.34		756.84	0.001326	10.17	18007.3	911.13	0.36
1	2067614	1 Turb	Prop25_2gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	none, 2 gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	Prop25_1gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2067614	1 Turb	none, 1 gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2065668	Max WS	Prop25_100US	366197.3	728.98	768.7		770.36	0.000758	10.47	39389.8	1545.99	0.29
1	2065668	Max WS	none, 100 yr	366197.7	728.98	768.7		770.36	0.000758	10.47	39389.24	1545.93	0.29
1	2065668	Max WS	Prop25_25US	248500.7	728.98	760.85		762.07	0.000742	8.93	29565.78	1075.66	0.28
1	2065668	Max WS	none, 25 yr	248501.4	728.98	760.85		762.06	0.000742	8.93	29565.05	1075.65	0.28
1	2065668	Max WS	Prop25_10US	160919.2	728.98	753.9		754.77	0.000728	7.49	22329.15	1011.47	0.27
1	2065668	Max WS	none, 10 yr	160875.9	728.98	753.9		754.77	0.000728	7.49	22328.59	1011.47	0.27
1	2065668	1 Turb	Prop25_2gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	none, 2 gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	Prop25_1gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04
1	2065668	1 Turb	none, 1 gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04
1	2062467	Max WS	Prop25_100US	366114.9	726	767.62		768.5	0.000328	7.72	58293.52	2919.44	0.22
1	2062467	Max WS	none, 100 yr	366112.8	726	767.62		768.5	0.000328	7.72	58292.27	2919.42	0.22
1	2062467	Max WS	Prop25_25US	248344.4	726	759.63		760.31	0.000333	6.68	40467.61	1530.97	0.21
1	2062467	Max WS	none, 25 yr	248342.7	726	759.63		760.31	0.000333	6.68	40466.39	1530.96	0.21
1	2062467	Max WS	Prop25_10US	160705.1	726	752.54		753.04	0.000341	5.68	29865.84	1458.78	0.2
1	2062467	Max WS	none, 10 yr	160705	726	752.54		753.04	0.000341	5.68	29864.95	1458.77	0.2
1	2062467	1 Turb	Prop25_2gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (25-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2062467	1 Turb	none, 2 gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04
1	2062467	1 Turb	Prop25_1gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2062467	1 Turb	none, 1 gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2060482	Max WS	Prop25_100US	366136.1	726.11	767.49		767.93	0.0002	5.96	75130.55	3049.58	0.17
1	2060482	Max WS	none, 100 yr	366110.9	726.11	767.49		767.93	0.0002	5.96	75129.26	3049.56	0.17
1	2060482	Max WS	Prop25_25US	248334.9	726.11	759.35		759.74	0.00023	5.45	52225.42	2485.15	0.17
1	2060482	Max WS	none, 25 yr	248329.4	726.11	759.35		759.74	0.00023	5.45	52223.64	2485.08	0.17
1	2060482	Max WS	Prop25_10US	160667	726.11	752.1		752.43	0.000275	4.97	36835.03	2060.92	0.18
1	2060482	Max WS	none, 10 yr	160664.8	726.11	752.1		752.43	0.000275	4.97	36833.77	2060.91	0.18
1	2060482	1 Turb	Prop25_2gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	none, 2 gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	Prop25_1gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2060482	1 Turb	none, 1 gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2057929	Max WS	Prop25_100US	366114.5	715.14	766.13		767.28	0.000419	8.83	49824.51	2042.09	0.25
1	2057929	Max WS	none, 100 yr	366107.1	715.14	766.13		767.28	0.000419	8.83	49823.88	2042.07	0.25
1	2057929	Max WS	Prop25_25US	248294.8	715.14	758.06		758.97	0.000434	7.74	35138.8	1490.35	0.24
1	2057929	Max WS	none, 25 yr	248284.5	715.14	758.05		758.97	0.000434	7.74	35137.8	1490.27	0.24
1	2057929	Max WS	Prop25_10US	160579.2	715.14	750.91		751.57	0.00043	6.51	25622.36	1215.29	0.23
1	2057929	Max WS	none, 10 yr	160575.3	715.14	750.91		751.57	0.00043	6.51	25621.76	1215.28	0.23
1	2057929	1 Turb	Prop25_2gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	none, 2 gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	Prop25_1gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2057929	1 Turb	none, 1 gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2056361	Max WS	Prop25_100US	366103.5	707.2	764.19		766.58	0.000773	12.7	34698.57	1411.4	0.33
1	2056361	Max WS	none, 100 yr	366097.3	707.2	764.18		766.58	0.000773	12.7	34698.14	1411.39	0.33
1	2056361	Max WS	Prop25_25US	248272	707.2	756.43		758.17	0.000706	10.68	25517.77	962.68	0.31
1	2056361	Max WS	none, 25 yr	248261.5	707.2	756.43		758.17	0.000706	10.68	25517.18	962.65	0.31
1	2056361	Max WS	Prop25_10US	160431.8	707.2	749.68		750.8	0.00059	8.53	19720.01	778.32	0.27
1	2056361	Max WS	none, 10 yr	160429.4	707.2	749.68		750.8	0.00059	8.53	19719.82	778.32	0.27
1	2056361	1 Turb	Prop25_2gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03
1	2056361	1 Turb	none, 2 gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03
1	2056361	1 Turb	Prop25_1gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2056361	1 Turb	none, 1 gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2055128	Max WS	Prop25_100US	366103.1	720	763.41		765.61	0.00073	12.06	34735.05	1288.47	0.33
1	2055128	Max WS	none, 100 yr	366096.4	720	763.41		765.61	0.00073	12.06	34734.58	1288.45	0.33
1	2055128	Max WS	Prop25_25US	248269.7	720	755.72		757.3	0.000673	10.14	26069.15	977.93	0.3
1	2055128	Max WS	none, 25 yr	248258.5	720	755.72		757.3	0.000673	10.14	26068.62	977.9	0.3
1	2055128	Max WS	Prop25_10US	160331.5	720	749.04		750.07	0.000578	8.16	20176.27	828.35	0.27
1	2055128	Max WS	none, 10 yr	160294.6	720	749.04		750.07	0.000578	8.16	20176.27	828.35	0.27

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (25-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2055128	1 Turb	Prop25_2gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	none, 2 gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	Prop25_1gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2055128	1 Turb	none, 1 gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2053714	Max WS	Prop25_100US	366102.4	720	762.79		764.58	0.000679	10.95	38472.59	1559.01	0.31
1	2053714	Max WS	none, 100 yr	366094.9	720	762.78		764.58	0.000679	10.95	38472.21	1558.98	0.31
1	2053714	Max WS	Prop25_25US	248252.3	720	754.95		756.33	0.000697	9.52	28153.25	1160.27	0.3
1	2053714	Max WS	none, 25 yr	248240.5	720	754.95		756.33	0.000697	9.52	28152.54	1160.24	0.3
1	2053714	Max WS	Prop25_10US	160102.3	720	748.2		749.18	0.000685	7.98	20868.82	1028.64	0.29
1	2053714	Max WS	none, 10 yr	160063.2	720	748.2		749.18	0.000685	7.98	20869.07	1028.64	0.29
1	2053714	1 Turb	Prop25_2gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	none, 2 gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	Prop25_1gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2053714	1 Turb	none, 1 gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2051892.	Cold Spring	Max WS	Prop25_100US	366126.3	718	761.74		763.35	0.000616	10.23	38033.75	1251.26	0.3
1	2051892.	Cold Spring	Max WS	none, 100 yr	366118.1	718	761.74		763.35	0.000616	10.23	38033.36	1251.25	0.3
1	2051892.	Cold Spring	Max WS	Prop25_25US	248270.8	718	753.88		755.09	0.000633	8.85	28895.32	1099.54	0.29
1	2051892.	Cold Spring	Max WS	none, 25 yr	248248	718	753.88		755.09	0.000633	8.85	28894.85	1099.53	0.29
1	2051892.	Cold Spring	Max WS	Prop25_10US	160106.5	718	747.11		747.97	0.000636	7.45	21735.2	1020.83	0.28
1	2051892.	Cold Spring	Max WS	none, 10 yr	160078.1	718	747.11		747.97	0.000636	7.45	21735.45	1020.83	0.28
1	2051892.	Cold Spring	1 Turb	Prop25_2gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892.	Cold Spring	1 Turb	none, 2 gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892.	Cold Spring	1 Turb	Prop25_1gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051892.	Cold Spring	1 Turb	none, 1 gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051005	Max WS	Prop25_100US	366125.2	710	760.33		762.77	0.000805	12.62	30492.07	844.45	0.34
1	2051005	Max WS	none, 100 yr	366117.2	710	760.33		762.77	0.000805	12.62	30491.92	844.45	0.34
1	2051005	Max WS	Prop25_25US	248259.6	710	752.83		754.51	0.000716	10.45	24501.89	775.94	0.31
1	2051005	Max WS	none, 25 yr	248234.8	710	752.83		754.51	0.000715	10.45	24501.65	775.94	0.31
1	2051005	Max WS	Prop25_10US	160098.8	710	746.36		747.43	0.000596	8.32	19547.94	754.78	0.27
1	2051005	Max WS	none, 10 yr	160077.4	710	746.36		747.43	0.000595	8.32	19548.13	754.78	0.27
1	2051005	1 Turb	Prop25_2gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	none, 2 gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	Prop25_1gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01
1	2051005	1 Turb	none, 1 gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01
1	2050874	Max WS	Prop25_100US	366134.8	713.5	759.94	739.06	762.68	0.000887	13.41	28830.19	769.71	0.36
1	2050874	Max WS	none, 100 yr	366126.2	713.5	759.94	739.05	762.68	0.000887	13.41	28830.15	769.71	0.36
1	2050874	Max WS	Prop25_25US	248254.8	713.5	752.53	733.9	754.42	0.000779	11.08	23208.65	746.84	0.33
1	2050874	Max WS	none, 25 yr	248242.8	713.5	752.53	733.9	754.42	0.000779	11.08	23208.46	746.84	0.33
1	2050874	Max WS	Prop25_10US	160087	713.5	746.16	729.43	747.35	0.000635	8.76	18540.67	707.2	0.29

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (25-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2050874	Max WS	none, 10 yr	160087.7	713.5	746.16	729.41	747.35	0.000635	8.76	18540.71	707.2	0.29
1	2050874	1 Turb	Prop25_2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	Prop25_1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050874	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050823	US Hwy 281		Bridge									
1	2050773	Max WS	Prop25_100US	366134.7	713.5	759.8		762.56	0.000896	13.44	28734.33	769.4	0.36
1	2050773	Max WS	none, 100 yr	366126.1	713.5	759.8		762.56	0.000896	13.44	28734.19	769.4	0.36
1	2050773	Max WS	Prop25_25US	248254.8	713.5	752.42		754.32	0.000788	11.11	23132.31	746.42	0.33
1	2050773	Max WS	none, 25 yr	248242.8	713.5	752.42		754.32	0.000788	11.11	23132.08	746.42	0.33
1	2050773	Max WS	Prop25_10US	160107	713.5	746.07		747.27	0.000641	8.78	18488.67	706.21	0.29
1	2050773	Max WS	none, 10 yr	160107	713.5	746.07		747.27	0.000641	8.78	18488.67	706.21	0.29
1	2050773	1 Turb	Prop25_2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	Prop25_1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050773	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050639	Max WS	Prop25_100US	366132.4	714.21	759.05		762.43	0.001187	14.79	25529.48	738.06	0.41
1	2050639	Max WS	none, 100 yr	366126	714.21	759.05		762.43	0.001187	14.79	25529.39	738.06	0.41
1	2050639	Max WS	Prop25_25US	248254.7	714.21	751.86		754.2	0.00107	12.29	20506.67	672.6	0.38
1	2050639	Max WS	none, 25 yr	248242.6	714.21	751.86		754.2	0.00107	12.29	20506.54	672.6	0.38
1	2050639	Max WS	Prop25_10US	160086.9	714.21	745.67		747.17	0.000904	9.81	16417.45	649.32	0.34
1	2050639	Max WS	none, 10 yr	160087.6	714.21	745.67		747.17	0.000904	9.81	16417.53	649.32	0.34
1	2050639	1 Turb	Prop25_2gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	none, 2 gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	Prop25_1gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02
1	2050639	1 Turb	none, 1 gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02
1	2050062	Max WS	Prop25_100US	366134.3	710.91	758.27		761.75	0.001174	14.98	24872.24	643.23	0.41
1	2050062	Max WS	none, 100 yr	366126.7	710.91	758.27		761.74	0.001174	14.98	24872.21	643.23	0.41
1	2050062	Max WS	Prop25_25US	248217.9	710.91	751.26		753.6	0.001016	12.29	20408.5	629.35	0.37
1	2050062	Max WS	none, 25 yr	248207.5	710.91	751.26		753.59	0.001015	12.28	20408.42	629.35	0.37
1	2050062	Max WS	Prop25_10US	160099.7	710.91	745.22		746.67	0.000816	9.66	16646.71	617.58	0.32
1	2050062	Max WS	none, 10 yr	160099.6	710.91	745.22		746.67	0.000816	9.66	16646.78	617.58	0.32
1	2050062	1 Turb	Prop25_2gen	9400	710.91	738.69		738.7	0.000007	0.74	12671.62	599.21	0.03
1	2050062	1 Turb	none, 2 gen	9400	710.91	738.69		738.7	0.000007	0.74	12671.62	599.21	0.03
1	2050062	1 Turb	Prop25_1gen	4700	710.91	738.09		738.09	0.000002	0.38	12312.2	597.42	0.01
1	2050062	1 Turb	none, 1 gen	4700	710.91	738.09		738.09	0.000002	0.38	12312.2	597.42	0.01
1	2049366	Max WS	Prop25_100US	366134	708	757.41		760.95	0.001119	15.13	24785.78	629.75	0.4
1	2049366	Max WS	none, 100 yr	366126.4	708	757.41		760.95	0.001119	15.13	24785.7	629.74	0.4

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (100-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2076349. Wirtz Dam	Max WS	Prop100_100U	367598	731	778.41		780.44	0.00085	12.2	38114.13	1125.65	0.32
1	2076349. Wirtz Dam	Max WS	none, 100 yr	367335.6	731	777.82		779.91	0.000888	12.36	37459.91	1113.6	0.33
1	2076349. Wirtz Dam	Max WS	Prop100_25US	250870.3	731	770.54		771.98	0.000764	10.19	29885.09	980.98	0.29
1	2076349. Wirtz Dam	Max WS	none, 25 yr	250614.2	731	770.1		771.58	0.000794	10.31	29457.32	976.46	0.3
1	2076349. Wirtz Dam	Max WS	Prop100_10US	162518.4	731	763.57		764.53	0.000663	8.27	23268.31	922.95	0.26
1	2076349. Wirtz Dam	Max WS	none, 10 yr	162450.8	731	763.22		764.21	0.000691	8.38	22944.14	920.92	0.27
1	2076349. Wirtz Dam	1 Turb	Prop100_2gen	9400	731	742.41		742.46	0.00014	1.73	5692.59	707.64	0.1
1	2076349. Wirtz Dam	1 Turb	none, 2 gen	9400	731	742.2		742.25	0.000151	1.77	5542.82	703.36	0.1
1	2076349. Wirtz Dam	1 Turb	Prop100_1gen	4700	731	740.54		740.55	0.000075	1.09	4407.84	657.94	0.07
1	2076349. Wirtz Dam	1 Turb	none, 1 gen	4700	731	740.31		740.33	0.000083	1.12	4263.14	651.45	0.07
1	2075869	Max WS	Prop100_100U	367335.8	736	778.11		780	0.000854	11.67	38667.84	1167.3	0.32
1	2075869	Max WS	none, 100 yr	367269.3	736	777.51		779.45	0.000897	11.84	37968.13	1152.79	0.32
1	2075869	Max WS	Prop100_25US	250743.2	736	770.22		771.59	0.000808	9.88	30056.51	1032.36	0.3
1	2075869	Max WS	none, 25 yr	250485	736	769.76		771.17	0.000845	10.01	29588.39	1028.21	0.3
1	2075869	Max WS	Prop100_10US	162450.7	736	763.23		764.19	0.000758	8.22	22988.83	990.7	0.28
1	2075869	Max WS	none, 10 yr	162382.4	736	762.86		763.85	0.000795	8.34	22622.06	988.58	0.28
1	2075869	1 Turb	Prop100_2gen	9400	736	742.28		742.35	0.000414	2.27	4277.86	749.99	0.16
1	2075869	1 Turb	none, 2 gen	9400	736	742.05		742.13	0.000469	2.36	4109.13	742.34	0.17
1	2075869	1 Turb	Prop100_1gen	4700	736	740.45		740.49	0.000333	1.62	2951.57	707.72	0.14
1	2075869	1 Turb	none, 1 gen	4700	736	740.22		740.27	0.0004	1.71	2787.84	702.69	0.15
1	2075621*	Max WS	Prop100_100U	367335.7	735.6	777.91		779.8	0.000864	11.76	39605.39	1264.14	0.32
1	2075621*	Max WS	none, 100 yr	367205	735.6	777.29		779.24	0.000906	11.92	38840.73	1235.25	0.33
1	2075621*	Max WS	Prop100_25US	250740.2	735.6	770.02		771.39	0.000816	9.95	30553.39	1081.98	0.3
1	2075621*	Max WS	none, 25 yr	250360.2	735.6	769.55		770.97	0.000855	10.09	30049.36	1078.32	0.31
1	2075621*	Max WS	Prop100_10US	162450	735.6	763.03		764	0.000772	8.31	23167.94	1029.82	0.28
1	2075621*	Max WS	none, 10 yr	162316.8	735.6	762.65		763.65	0.00081	8.44	22775.48	1026.77	0.29
1	2075621*	1 Turb	Prop100_2gen	9400	735.6	742.18		742.25	0.000386	2.25	4316.12	728.21	0.16
1	2075621*	1 Turb	none, 2 gen	9400	735.6	741.94		742.02	0.000438	2.33	4142.54	721.21	0.17
1	2075621*	1 Turb	Prop100_1gen	4700	735.6	740.38		740.41	0.000291	1.57	3042.8	689.49	0.13
1	2075621*	1 Turb	none, 1 gen	4700	735.6	740.13		740.17	0.000349	1.66	2872.76	684.61	0.14
1	**2075572***	**Max WS**	**Prop100_100U**	**367335.6**	**735.5**	**777.87**	**756.69**	**779.76**	**0.000865**	**11.77**	**39822.55**	**1284.91**	**0.32**
1	**2075572***	**Max WS**	**none, 100 yr**	**367205**	**735.5**	**777.25**		**779.2**	**0.000907**	**11.93**	**39042.27**	**1255.94**	**0.33**
1	**2075572***	**Max WS**	**Prop100_25US**	**250739.4**	**735.5**	**769.98**	**752.18**	**771.35**	**0.000817**	**9.96**	**30673.72**	**1092.3**	**0.3**
1	**2075572***	**Max WS**	**none, 25 yr**	**250360.1**	**735.5**	**769.51**		**770.93**	**0.000855**	**10.1**	**30162.56**	**1088.43**	**0.31**
1	**2075572***	**Max WS**	**Prop100_10US**	**162385.4**	**735.5**	**762.99**	**748.13**	**763.97**	**0.000772**	**8.32**	**23220.49**	**1038.43**	**0.28**
1	**2075572***	**Max WS**	**none, 10 yr**	**162316.7**	**735.5**	**762.6**		**763.61**	**0.000812**	**8.45**	**22822.42**	**1034.98**	**0.29**
1	**2075572***	**1 Turb**	**Prop100_2gen**	**9400**	**735.5**	**742.16**	**737.53**	**742.24**	**0.000377**	**2.24**	**4334.94**	**724.05**	**0.15**
1	**2075572***	**1 Turb**	**none, 2 gen**	**9400**	**735.5**	**741.92**		**742**	**0.000429**	**2.32**	**4160.52**	**718.38**	**0.16**
1	**2075572***	**1 Turb**	**Prop100_1gen**	**4700**	**735.5**	**740.36**	**736.82**	**740.4**	**0.00028**	**1.55**	**3069.7**	**686.41**	**0.13**
1	**2075572***	**1 Turb**	**none, 1 gen**	**4700**	**735.5**	**740.11**		**740.15**	**0.000337**	**1.64**	**2898.64**	**681.42**	**0.14**

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (100-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2075472		Bridge										
1	2075373*	Max WS	Prop100_100U	367208.3	735.2	777.09		779.03	0.000911	11.98	39887.5	1339.27	0.33
1	2075373*	Max WS	none, 100 yr	367204.8	735.2	777.09		779.03	0.000911	11.98	39886.69	1339.24	0.33
1	2075373*	Max WS	Prop100_25US	250368	735.2	769.36		770.76	0.000858	10.14	30637.54	1130.08	0.31
1	2075373*	Max WS	none, 25 yr	250359.5	735.2	769.35		770.76	0.000858	10.14	30635.95	1130.07	0.31
1	2075373*	Max WS	Prop100_10US	162321	735.2	762.44		763.46	0.000819	8.51	23031.18	1068.84	0.29
1	2075373*	Max WS	none, 10 yr	162316.2	735.2	762.44		763.46	0.000819	8.52	23029.48	1068.82	0.29
1	2075373*	1 Turb	Prop100_2gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.82	710.1	0.16
1	2075373*	1 Turb	none, 2 gen	9400	735.2	741.84		741.92	0.000399	2.29	4228.56	710.09	0.16
1	2075373*	1 Turb	Prop100_1gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.33	674.98	0.13
1	2075373*	1 Turb	none, 1 gen	4700	735.2	740.05		740.09	0.000296	1.59	2992.12	674.97	0.13
1	2075274	Max WS	Prop100_100U	367208.2	735	777.01		778.94	0.00091	11.99	40371.43	1383.37	0.33
1	2075274	Max WS	none, 100 yr	367204.7	735	777.01		778.94	0.00091	11.99	40370.59	1383.33	0.33
1	2075274	Max WS	Prop100_25US	250367.8	735	769.28		770.68	0.000857	10.15	30920.56	1150.9	0.31
1	2075274	Max WS	none, 25 yr	250359	735	769.28		770.68	0.000857	10.15	30919.09	1150.89	0.31
1	2075274	Max WS	Prop100_10US	162320.8	735	762.36		763.38	0.000819	8.53	23180.66	1085.84	0.29
1	2075274	Max WS	none, 10 yr	162252.8	735	762.36		763.38	0.000818	8.53	23178.87	1085.82	0.29
1	2075274	1 Turb	Prop100_2gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	none, 2 gen	9400	735	741.8		741.88	0.000381	2.27	4279.91	707.6	0.16
1	2075274	1 Turb	Prop100_1gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2075274	1 Turb	none, 1 gen	4700	735	740.02		740.06	0.000274	1.56	3055.67	672.28	0.13
1	2073994	Max WS	Prop100_100U	367025.5	735	775.72		777.71	0.000992	12.09	38516.32	1293.84	0.34
1	2073994	Max WS	none, 100 yr	367022.9	735	775.72		777.71	0.000992	12.09	38515.53	1293.82	0.34
1	2073994	Max WS	Prop100_25US	250003.7	735	767.94		769.49	0.001006	10.54	29060.99	1164.18	0.33
1	2073994	Max WS	none, 25 yr	249998.7	735	767.94		769.49	0.001006	10.54	29059.64	1164.17	0.33
1	2073994	Max WS	Prop100_10US	162070.9	735	761.07		762.22	0.001003	8.96	21370.95	1065.35	0.31
1	2073994	Max WS	none, 10 yr	162008	735	761.07		762.21	0.001003	8.95	21369.45	1065.32	0.31
1	2073994	1 Turb	Prop100_2gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	none, 2 gen	9400	735	741.1		741.22	0.000776	2.74	3534.48	732.81	0.21
1	2073994	1 Turb	Prop100_1gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2073994	1 Turb	none, 1 gen	4700	735	739.5		739.56	0.000668	2	2375.38	698.58	0.19
1	2071514	Max WS	Prop100_100U	366910.8	732	774.28		775.54	0.000667	10.25	53229.29	1881.81	0.28
1	2071514	Max WS	none, 100 yr	366854.1	732	774.28		775.54	0.000667	10.25	53228.6	1881.79	0.28
1	2071514	Max WS	Prop100_25US	249679.3	732	766.25		767.31	0.00071	9.18	38734.53	1742.13	0.28
1	2071514	Max WS	none, 25 yr	249672.7	732	766.25		767.31	0.00071	9.18	38732.62	1742.11	0.28
1	2071514	Max WS	Prop100_10US	161660.5	732	759.14		760.02	0.000759	8.1	26698.86	1640.36	0.28
1	2071514	Max WS	none, 10 yr	161658.7	732	759.14		760.01	0.000759	8.1	26696.86	1640.34	0.28
1	2071514	1 Turb	Prop100_2gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13
1	2071514	1 Turb	none, 2 gen	9400	732	739.85		739.91	0.000265	2.02	4749.84	763.62	0.13

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (100-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2071514	1 Turb	Prop100_1gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2071514	1 Turb	none, 1 gen	4700	732	738.54		738.56	0.000128	1.24	3810.93	670.29	0.09
1	2069432	Max WS	Prop100_100U	366644.1	731	772.68		774.15	0.000665	10.16	44729.68	1546.99	0.28
1	2069432	Max WS	none, 100 yr	366642.2	731	772.68		774.15	0.000665	10.16	44729.02	1546.95	0.28
1	2069432	Max WS	Prop100_25US	249314.3	731	764.75		765.86	0.000652	8.74	33608.95	1296.32	0.27
1	2069432	Max WS	none, 25 yr	249309.3	731	764.75		765.86	0.000652	8.74	33607.69	1296.3	0.27
1	2069432	Max WS	Prop100_10US	161464.3	731	757.72		758.53	0.000633	7.36	24861.35	1198.88	0.25
1	2069432	Max WS	none, 10 yr	161461.4	731	757.72		758.53	0.000633	7.36	24860.33	1198.87	0.25
1	2069432	1 Turb	Prop100_2gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	none, 2 gen	9400	731	739.48		739.51	0.000115	1.44	6539.08	816.83	0.09
1	2069432	1 Turb	Prop100_1gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2069432	1 Turb	none, 1 gen	4700	731	738.37		738.38	0.000046	0.83	5645.27	794.44	0.05
1	2067614	Max WS	Prop100_100U	366290.9	729.99	769.97		772.62	0.001318	13.82	34222.94	1416.01	0.39
1	2067614	Max WS	none, 100 yr	366292	729.99	769.97		772.61	0.001318	13.82	34222.34	1415.97	0.39
1	2067614	Max WS	Prop100_25US	248761.8	729.99	762.18		764.22	0.001332	11.99	24684.84	1065.05	0.38
1	2067614	Max WS	none, 25 yr	248674.2	729.99	762.18		764.22	0.001331	11.99	24684.19	1065.03	0.38
1	2067614	Max WS	Prop100_10US	161101.1	729.99	755.34		756.84	0.001326	10.17	18007.97	911.14	0.36
1	2067614	Max WS	none, 10 yr	161101.4	729.99	755.34		756.84	0.001326	10.17	18007.3	911.13	0.36
1	2067614	1 Turb	Prop100_2gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	none, 2 gen	9400	729.99	739.2		739.25	0.000179	1.85	5110.89	624.7	0.11
1	2067614	1 Turb	Prop100_1gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2067614	1 Turb	none, 1 gen	4700	729.99	738.26		738.28	0.000066	1.04	4536.63	599.6	0.07
1	2065668	Max WS	Prop100_100U	366197.3	728.98	768.7		770.36	0.000758	10.47	39389.8	1545.99	0.29
1	2065668	Max WS	none, 100 yr	366197.7	728.98	768.7		770.36	0.000758	10.47	39389.24	1545.93	0.29
1	2065668	Max WS	Prop100_25US	248500.1	728.98	760.85		762.07	0.000742	8.93	29565.78	1075.66	0.28
1	2065668	Max WS	none, 25 yr	248501.4	728.98	760.85		762.06	0.000742	8.93	29565.05	1075.65	0.28
1	2065668	Max WS	Prop100_10US	160919.2	728.98	753.9		754.77	0.000728	7.49	22329.15	1011.47	0.27
1	2065668	Max WS	none, 10 yr	160875.9	728.98	753.9		754.77	0.000728	7.49	22328.59	1011.47	0.27
1	2065668	1 Turb	Prop100_2gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	none, 2 gen	9400	728.98	738.99		739.01	0.000058	1.13	8318.73	870	0.06
1	2065668	1 Turb	Prop100_1gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04
1	2065668	1 Turb	none, 1 gen	4700	728.98	738.19		738.19	0.000019	0.62	7618.71	866.62	0.04
1	2062467	Max WS	Prop100_100U	366114.9	726	767.62		768.5	0.000328	7.72	58293.52	2919.44	0.22
1	2062467	Max WS	none, 100 yr	366112.8	726	767.62		768.5	0.000328	7.72	58292.27	2919.42	0.22
1	2062467	Max WS	Prop100_25US	248343.4	726	759.63		760.31	0.000333	6.68	40467.61	1530.97	0.21
1	2062467	Max WS	none, 25 yr	248342.7	726	759.63		760.31	0.000333	6.68	40466.39	1530.96	0.21
1	2062467	Max WS	Prop100_10US	160704.3	726	752.54		753.04	0.000341	5.68	29865.84	1458.78	0.2
1	2062467	Max WS	none, 10 yr	160705	726	752.54		753.04	0.000341	5.68	29864.95	1458.77	0.2
1	2062467	1 Turb	Prop100_2gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (100-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2062467	1 Turb	none, 2 gen	9400	726	738.88	729.44	738.89	0.00002	0.78	11996.62	1167.14	0.04
1	2062467	1 Turb	Prop100_1gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2062467	1 Turb	none, 1 gen	4700	726	738.15	728.85	738.15	0.000006	0.42	11149.28	1161.42	0.02
1	2060482	Max WS	Prop100_100U	366136.1	726.11	767.49		767.93	0.0002	5.96	75130.55	3049.58	0.17
1	2060482	Max WS	none, 100 yr	366110.9	726.11	767.49		767.93	0.0002	5.96	75129.26	3049.56	0.17
1	2060482	Max WS	Prop100_25US	248333.9	726.11	759.35		759.74	0.00023	5.45	52225.29	2485.14	0.17
1	2060482	Max WS	none, 25 yr	248329.4	726.11	759.35		759.74	0.00023	5.45	52223.64	2485.08	0.17
1	2060482	Max WS	Prop100_10US	160666.8	726.11	752.1		752.43	0.000275	4.97	36834.9	2060.91	0.18
1	2060482	Max WS	none, 10 yr	160664.8	726.11	752.1		752.43	0.000275	4.97	36833.77	2060.91	0.18
1	2060482	1 Turb	Prop100_2gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	none, 2 gen	9400	726.11	738.83	730.03	738.84	0.000028	0.9	10979.55	1784.64	0.05
1	2060482	1 Turb	Prop100_1gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2060482	1 Turb	none, 1 gen	4700	726.11	738.13	729.38	738.14	0.000009	0.49	9744.79	1772.28	0.03
1	2057929	Max WS	Prop100_100U	366114.5	715.14	766.13		767.28	0.000419	8.83	49824.51	2042.09	0.25
1	2057929	Max WS	none, 100 yr	366107.1	715.14	766.13		767.28	0.000419	8.83	49823.88	2042.07	0.25
1	2057929	Max WS	Prop100_25US	248293.7	715.14	758.06		758.97	0.000434	7.74	35138.72	1490.34	0.24
1	2057929	Max WS	none, 25 yr	248284.5	715.14	758.05		758.97	0.000434	7.74	35137.8	1490.27	0.24
1	2057929	Max WS	Prop100_10US	160578.5	715.14	750.91		751.57	0.00043	6.51	25622.21	1215.29	0.23
1	2057929	Max WS	none, 10 yr	160575.3	715.14	750.91		751.57	0.00043	6.51	25621.76	1215.28	0.23
1	2057929	1 Turb	Prop100_2gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	none, 2 gen	9400	715.14	738.78		738.78	0.000014	0.75	12585.65	985.98	0.04
1	2057929	1 Turb	Prop100_1gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2057929	1 Turb	none, 1 gen	4700	715.14	738.12		738.12	0.000004	0.39	11936.66	981.27	0.02
1	2056361	Max WS	Prop100_100U	366103.5	707.2	764.19		766.58	0.000773	12.7	34698.57	1411.4	0.33
1	2056361	Max WS	none, 100 yr	366097.3	707.2	764.18		766.58	0.000773	12.7	34698.14	1411.39	0.33
1	2056361	Max WS	Prop100_25US	248270.6	707.2	756.43		758.17	0.000706	10.68	25517.71	962.68	0.31
1	2056361	Max WS	none, 25 yr	248261.5	707.2	756.43		758.17	0.000706	10.68	25517.18	962.65	0.31
1	2056361	Max WS	Prop100_10US	160431.2	707.2	749.68		750.8	0.00059	8.53	19719.91	778.32	0.27
1	2056361	Max WS	none, 10 yr	160429.4	707.2	749.68		750.8	0.00059	8.53	19719.82	778.32	0.27
1	2056361	1 Turb	Prop100_2gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03
1	2056361	1 Turb	none, 2 gen	9400	707.2	738.76		738.77	0.000009	0.79	11874.44	630.58	0.03
1	2056361	1 Turb	Prop100_1gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2056361	1 Turb	none, 1 gen	4700	707.2	738.11		738.11	0.000003	0.41	11470.42	620.14	0.02
1	2055128	Max WS	Prop100_100U	366103.1	720	763.41		765.61	0.00073	12.06	34735.05	1288.47	0.33
1	2055128	Max WS	none, 100 yr	366096.4	720	763.41		765.61	0.00073	12.06	34734.58	1288.45	0.33
1	2055128	Max WS	Prop100_25US	248268.7	720	755.72		757.3	0.000673	10.14	26069.09	977.92	0.3
1	2055128	Max WS	none, 25 yr	248258.5	720	755.72		757.3	0.000673	10.14	26068.62	977.9	0.3
1	2055128	Max WS	Prop100_10US	160330.8	720	749.04		750.07	0.000578	8.16	20176.27	828.35	0.27
1	2055128	Max WS	none, 10 yr	160294.6	720	749.04		750.07	0.000578	8.16	20176.27	828.35	0.27

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (100-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2055128	1 Turb	Prop100_2gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	none, 2 gen	9400	720	738.75		738.75	0.000009	0.76	12431.34	698.26	0.03
1	2055128	1 Turb	Prop100_1gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2055128	1 Turb	none, 1 gen	4700	720	738.11		738.11	0.000003	0.39	11986.6	695.09	0.02
1	2053714	Max WS	Prop100_100U	366102.4	720	762.79		764.58	0.000679	10.95	38472.59	1559.01	0.31
1	2053714	Max WS	none, 100 yr	366094.9	720	762.78		764.58	0.000679	10.95	38472.21	1558.98	0.31
1	2053714	Max WS	Prop100_25US	248251	720	754.95		756.33	0.000697	9.52	28153.25	1160.27	0.3
1	2053714	Max WS	none, 25 yr	248240.5	720	754.95		756.33	0.000697	9.52	28152.54	1160.24	0.3
1	2053714	Max WS	Prop100_10US	160061.5	720	748.2		749.18	0.000685	7.98	20868.82	1028.64	0.29
1	2053714	Max WS	none, 10 yr	160063.2	720	748.2		749.18	0.000685	7.98	20869.07	1028.64	0.29
1	2053714	1 Turb	Prop100_2gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	none, 2 gen	9400	720	738.73		738.74	0.000013	0.79	11943.7	852.95	0.04
1	2053714	1 Turb	Prop100_1gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2053714	1 Turb	none, 1 gen	4700	720	738.1		738.11	0.000004	0.41	11412.54	841.49	0.02
1	2051892. Cold Spring	Max WS	Prop100_100U	366126.3	718	761.74		763.35	0.000616	10.23	38033.75	1251.26	0.3
1	2051892. Cold Spring	Max WS	none, 100 yr	366118.1	718	761.74		763.35	0.000616	10.23	38033.36	1251.25	0.3
1	2051892. Cold Spring	Max WS	Prop100_25US	248259.7	718	753.88		755.09	0.000633	8.85	28895.32	1099.54	0.29
1	2051892. Cold Spring	Max WS	none, 25 yr	248248	718	753.88		755.09	0.000633	8.85	28894.85	1099.53	0.29
1	2051892. Cold Spring	Max WS	Prop100_10US	160076.3	718	747.11		747.97	0.000636	7.45	21735.2	1020.83	0.28
1	2051892. Cold Spring	Max WS	none, 10 yr	160078.1	718	747.11		747.97	0.000636	7.45	21735.45	1020.83	0.28
1	2051892. Cold Spring	1 Turb	Prop100_2gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892. Cold Spring	1 Turb	none, 2 gen	9400	718	738.71		738.72	0.00001	0.7	13487.51	953.04	0.03
1	2051892. Cold Spring	1 Turb	Prop100_1gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051892. Cold Spring	1 Turb	none, 1 gen	4700	718	738.1		738.1	0.000003	0.36	12904.49	949.78	0.02
1	2051005	Max WS	Prop100_100U	366125.2	710	760.33		762.77	0.000805	12.62	30492.07	844.45	0.34
1	2051005	Max WS	none, 100 yr	366117.2	710	760.33		762.77	0.000805	12.62	30491.92	844.45	0.34
1	2051005	Max WS	Prop100_25US	248258.6	710	752.83		754.51	0.000716	10.45	24501.89	775.94	0.31
1	2051005	Max WS	none, 25 yr	248234.8	710	752.83		754.51	0.000715	10.45	24501.65	775.94	0.31
1	2051005	Max WS	Prop100_10US	160097.8	710	746.36		747.43	0.000596	8.32	19547.94	754.78	0.27
1	2051005	Max WS	none, 10 yr	160077.4	710	746.36		747.43	0.000595	8.32	19548.13	754.78	0.27
1	2051005	1 Turb	Prop100_2gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	none, 2 gen	9400	710	738.7		738.71	0.000006	0.67	14037.63	678.28	0.03
1	2051005	1 Turb	Prop100_1gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01
1	2051005	1 Turb	none, 1 gen	4700	710	738.1		738.1	0.000002	0.34	13626.02	675.88	0.01
1	2050874	Max WS	Prop100_100U	366134.8	713.5	759.94	739.06	762.68	0.000887	13.41	28830.19	769.71	0.36
1	2050874	Max WS	none, 100 yr	366126.2	713.5	759.94	739.05	762.68	0.000887	13.41	28830.15	769.71	0.36
1	2050874	Max WS	Prop100_25US	248254.4	713.5	752.53	733.89	754.42	0.000779	11.08	23208.65	746.84	0.33
1	2050874	Max WS	none, 25 yr	248242.8	713.5	752.53	733.9	754.42	0.000779	11.08	23208.46	746.84	0.33
1	2050874	Max WS	Prop100_10US	160107	713.5	746.16	729.42	747.35	0.000635	8.76	18540.67	707.2	0.29

HEC-RAS River: Colorado Reach: 1 Profile: Max WS (100-Year Bridge Design)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2050874	Max WS	none, 10 yr	160087.7	713.5	746.16	729.41	747.35	0.000635	8.76	18540.71	707.2	0.29
1	2050874	1 Turb	Prop100_2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13560.9	636.68	0.03
1	2050874	1 Turb	Prop100_1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050874	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13177.46	626.83	0.01
1	2050823	US Hwy 281		Bridge									
1	2050773	Max WS	Prop100_100U	366134.7	713.5	759.8		762.56	0.000896	13.44	28734.33	769.4	0.36
1	2050773	Max WS	none, 100 yr	366126.1	713.5	759.8		762.56	0.000896	13.44	28734.19	769.4	0.36
1	2050773	Max WS	Prop100_25US	248254.3	713.5	752.42		754.32	0.000788	11.11	23132.26	746.42	0.33
1	2050773	Max WS	none, 25 yr	248242.8	713.5	752.42		754.32	0.000788	11.11	23132.08	746.42	0.33
1	2050773	Max WS	Prop100_10US	160106.1	713.5	746.07		747.27	0.000641	8.78	18488.59	706.21	0.29
1	2050773	Max WS	none, 10 yr	160107	713.5	746.07		747.27	0.000641	8.78	18488.67	706.21	0.29
1	2050773	1 Turb	Prop100_2gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	none, 2 gen	9400	713.5	738.7	716.85	738.71	0.000006	0.69	13569.13	637.92	0.03
1	2050773	1 Turb	Prop100_1gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050773	1 Turb	none, 1 gen	4700	713.5	738.09	715.9	738.1	0.000002	0.36	13185.34	628.41	0.01
1	2050639	Max WS	Prop100_100U	366132.4	714.21	759.05		762.43	0.001187	14.79	25529.48	738.06	0.41
1	2050639	Max WS	none, 100 yr	366126	714.21	759.05		762.43	0.001187	14.79	25529.39	738.06	0.41
1	2050639	Max WS	Prop100_25US	248254.1	714.21	751.86		754.2	0.00107	12.29	20506.67	672.6	0.38
1	2050639	Max WS	none, 25 yr	248242.6	714.21	751.86		754.2	0.00107	12.29	20506.54	672.6	0.38
1	2050639	Max WS	Prop100_10US	160086.1	714.21	745.67		747.17	0.000904	9.81	16417.45	649.32	0.34
1	2050639	Max WS	none, 10 yr	160087.6	714.21	745.67		747.17	0.000904	9.81	16417.53	649.32	0.34
1	2050639	1 Turb	Prop100_2gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	none, 2 gen	9400	714.21	738.7		738.71	0.000009	0.78	11978.91	623.54	0.03
1	2050639	1 Turb	Prop100_1gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02
1	2050639	1 Turb	none, 1 gen	4700	714.21	738.09		738.1	0.000002	0.41	11603.28	621.41	0.02
1	2050062	Max WS	Prop100_100U	366134.3	710.91	758.27		761.75	0.001174	14.98	24872.24	643.23	0.41
1	2050062	Max WS	none, 100 yr	366126.7	710.91	758.27		761.74	0.001174	14.98	24872.21	643.23	0.41
1	2050062	Max WS	Prop100_25US	248217.3	710.91	751.26		753.6	0.001016	12.29	20408.5	629.35	0.37
1	2050062	Max WS	none, 25 yr	248207.5	710.91	751.26		753.59	0.001015	12.28	20408.42	629.35	0.37
1	2050062	Max WS	Prop100_10US	160098.8	710.91	745.22		746.67	0.000816	9.66	16646.71	617.58	0.32
1	2050062	Max WS	none, 10 yr	160099.6	710.91	745.22		746.67	0.000816	9.66	16646.78	617.58	0.32
1	2050062	1 Turb	Prop100_2gen	9400	710.91	738.69		738.7	0.000007	0.74	12671.62	599.21	0.03
1	2050062	1 Turb	none, 2 gen	9400	710.91	738.69		738.7	0.000007	0.74	12671.62	599.21	0.03
1	2050062	1 Turb	Prop100_1gen	4700	710.91	738.09		738.09	0.000002	0.38	12312.2	597.42	0.01
1	2050062	1 Turb	none, 1 gen	4700	710.91	738.09		738.09	0.000002	0.38	12312.2	597.42	0.01
1	2049366	Max WS	Prop100_100U	366134	708	757.41		760.95	0.001119	15.13	24785.78	629.75	0.4
1	2049366	Max WS	none, 100 yr	366126.4	708	757.41		760.95	0.001119	15.13	24785.7	629.74	0.4