

Varianta 1

HEC-RAS Plan: Plan 03 River: R Reach: R

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	1028.900	10	10.00	451.68	452.60	452.60	452.93	0.007998	2.57	3.89	5.86	1.01
R	1028.900	20	20.00	451.68	453.00	453.00	453.50	0.007498	3.13	6.38	6.47	1.01
R	1028.900	30	30.00	451.68	453.60	453.32	453.99	0.005190	2.78	10.77	9.70	0.84
R	1028.900	40	40.00	451.68	453.91	453.71	454.31	0.006200	2.82	14.17	14.45	0.91
R	1028.900	50	50.00	451.68	454.04	454.04	454.51	0.007416	3.04	16.43	17.30	1.00
R	1028.900	60	60.00	451.68	454.19	454.19	454.69	0.007254	3.14	19.13	18.89	0.99
R	1017.820	10	10.00	451.48	452.36	452.36	452.72	0.008682	2.67	3.75	5.22	1.00
R	1017.820	20	20.00	451.48	452.79	452.79	453.36	0.008666	3.34	5.99	5.28	1.00
R	1017.820	30	30.00	451.48	453.14	453.14	453.88	0.008988	3.82	7.85	5.33	1.01
R	1017.820	40	40.00	451.48	453.87	453.44	454.20	0.010578	2.54	15.75	28.72	1.09
R	1017.820	50	50.00	451.48	454.00	454.00	454.34	0.008187	2.56	19.51	28.72	0.99
R	1017.820	60	60.00	451.48	454.09	454.09	454.47	0.007976	2.73	21.98	28.72	1.00
R	1013.860	10	10.00	451.31	452.39		452.61	0.004040	2.07	4.84	5.35	0.69
R	1013.860	20	20.00	451.31	452.83		453.22	0.005145	2.79	7.16	5.42	0.78
R	1013.860	30	30.00	451.31	453.04	452.97	453.70	0.007511	3.60	8.34	5.46	0.93
R	1013.860	40	40.00	451.31	453.27	453.27	454.16	0.009014	4.17	9.60	5.49	1.01
R	1013.860	50	50.00	451.31	453.86	453.86	454.24	0.008125	2.72	18.36	24.07	1.00
R	1013.860	60	60.00	451.31	453.96	453.96	454.38	0.007894	2.90	20.72	24.07	1.00
R	1004.950	10	10.00	451.18	452.18	452.18	452.55	0.008991	2.68	3.73	5.19	1.01
R	1004.950	20	20.00	451.18	452.63	452.63	453.15	0.008401	3.22	6.22	5.97	1.01
R	1004.950	30	30.00	451.18	453.02	453.02	453.62	0.008037	3.42	8.77	7.42	1.00
R	1004.950	40	40.00	451.18	453.52	453.52	453.84	0.008206	2.51	15.92	25.00	1.00
R	1004.950	50	50.00	451.18	453.62	453.62	454.00	0.007957	2.71	18.43	25.00	1.01
R	1004.950	60	60.00	451.18	453.72	453.72	454.14	0.007479	2.86	21.01	25.00	0.99
R	993.370	10	10.00	451.41	452.08	452.08	452.41	0.008843	2.54	3.93	6.03	1.00
R	993.370	20	20.00	451.41	452.50	452.50	452.98	0.008328	3.07	6.52	6.79	1.00
R	993.370	30	30.00	451.41	453.02	453.02	453.33	0.008180	2.49	12.07	19.04	1.00
R	993.370	40	40.00	451.41	453.18	453.18	453.52	0.007925	2.58	15.49	22.79	1.00
R	993.370	50	50.00	451.41	453.29	453.29	453.68	0.007625	2.74	18.26	23.87	1.00
R	993.370	60	60.00	451.41	453.39	453.39	453.82	0.007389	2.91	20.63	23.87	1.00

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	990.210	10	10.00	450.08	451.02	451.01	451.37	0.009017	2.64	3.79	5.39	1.00
R	990.210	20	20.00	450.08	451.59		452.01	0.005966	2.88	6.95	5.66	0.83
R	990.210	30	30.00	450.08	452.09		452.56	0.005000	3.05	9.84	5.90	0.75
R	990.210	40	40.00	450.08	452.77		453.14	0.004641	2.68	14.93	11.56	0.75
R	990.210	50	50.00	450.08	452.82	452.53	453.35	0.007821	3.23	15.47	13.91	0.98
R	990.210	60	60.00	450.08	453.07	453.07	453.52	0.007844	2.98	20.14	22.21	1.00
R	973.750	10	10.00	449.78	450.81	450.81	451.21	0.009475	2.80	3.57	4.54	1.01
R	973.750	20	20.00	449.78	451.30	451.30	451.88	0.008947	3.35	5.97	5.24	1.00
R	973.750	30	30.00	449.78	452.04		452.47	0.004920	2.88	10.41	7.23	0.77
R	973.750	40	40.00	449.78	452.84		453.03	0.002619	1.90	21.08	19.92	0.59
R	973.750	50	50.00	449.78	452.94		453.18	0.003187	2.16	23.11	20.83	0.66
R	973.750	60	60.00	449.78	453.05		453.33	0.003559	2.37	25.36	21.78	0.70
R	959.280	10	10.00	449.52	450.65		450.97	0.007622	2.53	3.96	4.21	0.83
R	959.280	20	20.00	449.52	451.25		451.73	0.007329	3.08	6.50	4.26	0.79
R	959.280	30	30.00	449.52	451.73		452.36	0.007760	3.51	8.55	4.29	0.79
R	959.280	40	40.00	449.52	452.15		452.91	0.008302	3.86	10.36	4.49	0.81
R	959.280	50	50.00	449.52	452.82		453.11	0.006012	2.40	20.81	24.68	0.84
R	959.280	60	60.00	449.52	452.82	452.82	453.24	0.008656	2.88	20.81	24.68	1.00
R	952.700	10	10.00	449.40	450.48	450.48	450.91	0.011247	2.90	3.45	4.02	1.00
R	952.700	20	20.00	449.40	450.99	450.99	451.65	0.011498	3.62	5.52	4.13	1.00
R	952.700	30	30.00	449.40	451.41	451.41	452.27	0.011911	4.11	7.29	4.23	1.00
R	952.700	40	40.00	449.40	451.95	451.78	452.83	0.009975	4.15	9.63	4.40	0.90
R	952.700	50	50.00	449.40	452.85		453.06	0.003747	2.00	24.95	27.83	0.68
R	952.700	60	60.00	449.40	452.71	452.69	453.12	0.008294	2.84	21.14	25.03	0.99
R	939.770	10	10.00	449.16	450.27		450.49	0.004701	2.07	4.83	5.20	0.69
R	939.770	20	20.00	449.16	451.07		451.32	0.003038	2.22	9.03	5.34	0.54
R	939.770	30	30.00	449.16	451.74		452.01	0.002860	2.30	13.07	7.19	0.54
R	939.770	40	40.00	449.16	452.35		452.56	0.003414	2.06	19.44	17.97	0.63
R	939.770	50	50.00	449.16	452.88		453.00	0.001559	1.50	33.41	29.84	0.45
R	939.770	60	60.00	449.16	452.80		452.99	0.002895	1.94	30.89	29.84	0.61

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	925.880	10	10.00	448.90	450.28		450.42	0.002304	1.62	6.16	5.30	0.48
R	925.880	20	20.00	448.90	451.08		451.26	0.002349	1.88	10.63	7.21	0.49
R	925.880	30	30.00	448.90	451.78		451.94	0.001717	1.79	16.75	10.22	0.45
R	925.880	40	40.00	448.90	452.37		452.50	0.002204	1.58	25.33	27.16	0.52
R	925.880	50	50.00	448.90	452.90		452.97	0.000811	1.21	41.24	30.97	0.34
R	925.880	60	60.00	448.90	452.82		452.94	0.001403	1.54	38.96	30.97	0.44
R	910.590	10	10.00	448.63	450.09		450.35	0.005651	2.28	4.38	4.00	0.70
R	910.590	20	20.00	448.63	450.89		451.20	0.004678	2.43	8.21	6.06	0.67
R	910.590	30	30.00	448.63	451.64		451.89	0.004380	2.25	13.32	12.29	0.69
R	910.590	40	40.00	448.63	452.34		452.46	0.002418	1.54	26.05	31.52	0.54
R	910.590	50	50.00	448.63	452.89		452.96	0.000697	1.09	45.88	36.55	0.31
R	910.590	60	60.00	448.63	452.82		452.92	0.001232	1.39	43.08	36.55	0.41
R	896.970	10	10.00	448.38	449.73	449.73	450.22	0.013431	3.09	3.23	3.37	1.01
R	896.970	20	20.00	448.38	450.31	450.31	451.05	0.013725	3.82	5.23	3.56	1.01
R	896.970	30	30.00	448.38	450.78	450.78	451.73	0.014107	4.31	6.96	3.71	1.00
R	896.970	40	40.00	448.38	451.24	451.24	452.30	0.014106	4.57	8.76	4.12	1.00
R	896.970	50	50.00	448.38	451.57	451.57	452.81	0.014909	4.94	10.12	4.17	1.01
R	896.970	60	60.00	448.38	452.25	452.25	452.83	0.009691	3.38	17.73	15.29	1.00
R	886.810	10	10.00	448.20	449.55	449.55	450.03	0.013230	3.07	3.26	3.40	1.00
R	886.810	20	20.00	448.20	450.12	450.12	450.86	0.013796	3.82	5.23	3.56	1.01
R	886.810	30	30.00	448.20	450.94	450.94	451.34	0.010837	2.82	10.65	13.62	1.02
R	886.810	40	40.00	448.20	451.39	451.14	451.64	0.004786	2.21	18.11	19.39	0.73
R	886.810	50	50.00	448.20	451.76	451.32	451.95	0.002628	1.93	25.84	21.64	0.57
R	886.810	60	60.00	448.20	452.07	451.45	452.24	0.001793	1.84	32.62	21.64	0.48
R	877.540	10	10.00	448.03	449.37		449.72	0.008357	2.59	3.86	3.92	0.83
R	877.540	20	20.00	448.03	450.08		450.53	0.006889	2.98	6.72	4.16	0.75
R	877.540	30	30.00	448.03	450.21	450.21	451.08	0.012459	4.13	7.27	4.21	1.00
R	877.540	40	40.00	448.03	450.88	450.88	451.53	0.011288	3.58	11.16	8.55	1.00
R	877.540	50	50.00	448.03	451.09	451.09	451.85	0.011123	3.86	12.97	8.55	1.00
R	877.540	60	60.00	448.03	451.28	451.28	452.14	0.011065	4.10	14.64	8.55	1.00

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	853.880	10	10.00	447.60	449.20		449.52	0.007769	2.53	3.96	3.57	0.77
R	853.880	20	20.00	447.60	449.86	449.57	450.35	0.007990	3.12	6.42	3.86	0.77
R	853.880	30	30.00	447.60	450.31	450.31	450.64	0.010178	2.54	11.79	18.26	1.01
R	853.880	40	40.00	447.60	450.46	450.46	450.85	0.009691	2.75	14.55	19.10	1.01
R	853.880	50	50.00	447.60	450.58	450.58	451.03	0.009608	2.98	16.80	19.10	1.01
R	853.880	60	60.00	447.60	450.78	450.70	451.21	0.007197	2.91	20.65	19.31	0.90
R	836.900	10	10.00	447.37	448.84	448.84	449.33	0.014078	3.11	3.22	3.28	1.00
R	836.900	20	20.00	447.37	449.84	449.43	450.13	0.011151	2.39	8.38	14.63	1.01
R	836.900	30	30.00	447.37	450.03	450.03	450.40	0.010330	2.69	11.14	14.90	0.99
R	836.900	40	40.00	447.37	450.18	450.18	450.63	0.010196	2.99	13.36	14.90	1.01
R	836.900	50	50.00	447.37	450.33	450.33	450.85	0.009604	3.20	15.64	14.90	1.00
R	836.900	60	60.00	447.37	450.47	450.47	451.05	0.009361	3.39	17.68	14.90	0.99
R	820.980	10	10.00	447.16	448.59	448.59	449.07	0.013784	3.08	3.24	3.41	1.01
R	820.980	20	20.00	447.16	449.16	449.16	449.89	0.013699	3.78	5.29	3.66	1.00
R	820.980	30	30.00	447.16	449.76		449.99	0.007437	2.10	14.28	24.71	0.88
R	820.980	40	40.00	447.16	449.91		450.16	0.006331	2.22	18.02	25.39	0.84
R	820.980	50	50.00	447.16	450.05		450.32	0.005519	2.31	21.61	25.76	0.81
R	820.980	60	60.00	447.16	450.19		450.48	0.004884	2.39	25.15	26.00	0.77
R	804.010	10	10.00	446.93	448.34	448.34	448.82	0.013733	3.08	3.25	3.42	1.01
R	804.010	20	20.00	446.93	448.91	448.91	449.65	0.013920	3.81	5.26	3.62	1.01
R	804.010	30	30.00	446.93	449.68	449.57	449.87	0.005241	1.92	15.65	23.93	0.76
R	804.010	40	40.00	446.93	449.85	449.69	450.06	0.004461	2.04	19.61	23.93	0.72
R	804.010	50	50.00	446.93	449.99	449.79	450.23	0.004091	2.16	23.10	23.93	0.70
R	804.010	60	60.00	446.93	450.13	449.89	450.40	0.003816	2.27	26.42	23.93	0.69
R	801.960	10	10.00	446.90	448.30	448.30	448.78	0.013632	3.07	3.26	3.44	1.01
R	801.960	20	20.00	446.90	448.87	448.87	449.60	0.013906	3.80	5.26	3.62	1.01
R	801.960	30	30.00	446.90	449.56	449.56	449.85	0.009488	2.39	12.56	21.32	0.99
R	801.960	40	40.00	446.90	449.67	449.67	450.03	0.009561	2.68	14.94	21.32	1.02
R	801.960	50	50.00	446.90	449.79	449.79	450.20	0.008706	2.83	17.64	21.32	0.99
R	801.960	60	60.00	446.90	449.90	449.90	450.36	0.008571	3.03	19.83	21.32	1.00

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	788.440	10	10.00	446.72	447.98	447.98	448.43	0.012616	2.96	3.38	3.85	1.01
R	788.440	20	20.00	446.72	448.51	448.51	449.20	0.012560	3.67	5.46	4.01	1.00
R	788.440	30	30.00	446.72	449.52	449.24	449.61	0.002020	1.31	22.93	31.68	0.49
R	788.440	40	40.00	446.72	449.53		449.68	0.003402	1.72	23.31	31.68	0.64
R	788.440	50	50.00	446.72	449.67		449.84	0.003010	1.80	27.73	31.68	0.62
R	788.440	60	60.00	446.72	449.79		449.98	0.002829	1.90	31.60	31.68	0.61
R	777.890	10	10.00	446.58	447.74	447.74	448.16	0.011896	2.87	3.48	4.22	1.01
R	777.890	20	20.00	446.58	448.24	448.24	448.89	0.011784	3.57	5.60	4.32	1.00
R	777.890	30	30.00	446.58	448.64	448.64	449.49	0.012299	4.08	7.35	4.40	1.01
R	777.890	40	40.00	446.58	449.40	449.28	449.63	0.005703	2.14	18.72	26.62	0.81
R	777.890	50	50.00	446.58	449.55	449.41	449.79	0.004815	2.17	23.02	28.21	0.77
R	777.890	60	60.00	446.58	449.67		449.93	0.004445	2.27	26.38	28.21	0.75
R	770.890	10	10.00	446.48	447.51	447.45	447.86	0.009895	2.63	3.81	5.05	0.97
R	770.890	20	20.00	446.48	448.28		448.62	0.004797	2.58	7.76	5.23	0.68
R	770.890	30	30.00	446.48	448.63		449.13	0.005923	3.13	9.58	5.31	0.74
R	770.890	40	40.00	446.48	448.74	448.61	449.53	0.008861	3.92	10.19	5.34	0.91
R	770.890	50	50.00	446.48	449.34	449.34	449.73	0.008802	2.79	17.93	22.82	1.00
R	770.890	60	60.00	446.48	449.56		449.89	0.005766	2.55	23.50	24.92	0.84
R	766.010	10	10.00	446.41	447.62		447.78	0.002886	1.79	5.60	5.19	0.55
R	766.010	20	20.00	446.41	448.34		448.57	0.002594	2.12	9.42	5.41	0.51
R	766.010	30	30.00	446.41	448.71		449.06	0.003409	2.63	11.43	5.52	0.58
R	766.010	40	40.00	446.41	448.89	448.37	449.42	0.004804	3.21	12.44	5.58	0.69
R	766.010	50	50.00	446.41	449.25	448.66	449.68	0.007547	2.89	17.28	17.39	0.93
R	766.010	60	60.00	446.41	449.50	449.44	449.86	0.007590	2.66	22.59	27.87	0.94
R	753.780	10	10.00	446.25	447.62		447.74	0.001933	1.56	6.42	5.23	0.45
R	753.780	20	20.00	446.25	448.34		448.53	0.002041	1.95	10.26	5.44	0.45
R	753.780	30	30.00	446.25	448.70		449.01	0.002805	2.44	12.27	5.52	0.52
R	753.780	40	40.00	446.25	448.88	448.21	449.34	0.004045	3.02	13.25	5.53	0.62
R	753.780	50	50.00	446.25	449.30		449.54	0.005999	2.16	23.19	34.14	0.84
R	753.780	60	60.00	446.25	449.57		449.75	0.002912	1.86	32.30	34.14	0.61

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	744.090	10	10.00	446.12	447.55		447.71	0.002905	1.79	5.58	4.74	0.53
R	744.090	20	20.00	446.12	448.24		448.50	0.003040	2.24	8.94	4.94	0.53
R	744.090	30	30.00	446.12	448.73		448.94	0.004676	2.04	14.72	18.17	0.72
R	744.090	40	40.00	446.12	449.04		449.22	0.003357	1.89	21.13	23.35	0.64
R	744.090	50	50.00	446.12	449.33		449.48	0.002421	1.67	29.86	32.03	0.55
R	744.090	60	60.00	446.12	449.58	449.01	449.71	0.001644	1.58	37.90	32.60	0.47
R	726.750	10	10.00	445.89	447.15	447.15	447.59	0.012360	2.94	3.40	3.85	1.00
R	726.750	20	20.00	445.89	447.68	447.68	448.36	0.012518	3.66	5.46	3.99	1.00
R	726.750	30	30.00	445.89	448.42	448.37	448.82	0.008581	2.80	10.73	11.47	0.92
R	726.750	40	40.00	445.89	448.56	448.56	449.10	0.009847	3.25	12.32	11.47	1.00
R	726.750	50	50.00	445.89	448.73	448.73	449.35	0.009554	3.49	14.33	11.47	1.00
R	726.750	60	60.00	445.89	448.90	448.90	449.60	0.009410	3.71	16.18	11.47	1.00
R	705.660	10	10.00	445.60	446.83	446.81	447.24	0.011295	2.83	3.53	4.13	0.98
R	705.660	20	20.00	445.60	447.31	447.31	447.97	0.011850	3.59	5.58	4.32	1.01
R	705.660	30	30.00	445.60	447.73	447.73	448.56	0.011859	4.04	7.43	4.49	1.00
R	705.660	40	40.00	445.60	448.54	448.45	448.74	0.005531	1.99	20.14	31.57	0.79
R	705.660	50	50.00	445.60	448.62		448.87	0.005824	2.20	22.71	31.57	0.83
R	705.660	60	60.00	445.60	448.70	448.62	448.99	0.005922	2.38	25.25	31.57	0.85
R	701.530	10	10.00	445.55	446.86		447.17	0.007561	2.47	4.05	4.25	0.81
R	701.530	20	20.00	445.55	447.35		447.88	0.008914	3.24	6.17	4.40	0.87
R	701.530	30	30.00	445.55	447.63	447.63	448.46	0.011893	4.04	7.43	4.49	1.00
R	701.530	40	40.00	445.55	448.42	448.42	448.70	0.009653	2.35	17.00	31.33	1.02
R	701.530	50	50.00	445.55	448.52	448.52	448.83	0.008784	2.47	20.22	32.20	1.00
R	701.530	60	60.00	445.55	448.60	448.60	448.96	0.008510	2.63	22.82	32.20	1.00
R	690.160	10	10.00	445.39	446.62	446.62	447.06	0.010487	2.91	3.43	4.04	1.01
R	690.160	20	20.00	445.39	447.15	447.15	447.77	0.009974	3.48	5.74	4.71	1.01
R	690.160	30	30.00	445.39	447.78	447.78	448.17	0.009098	2.78	10.79	14.14	1.02
R	690.160	40	40.00	445.39	448.03	448.03	448.38	0.008550	2.60	15.38	22.59	1.01
R	690.160	50	50.00	445.39	448.39	448.16	448.60	0.003678	2.04	24.47	27.76	0.69
R	690.160	60	60.00	445.39	448.66	448.27	448.84	0.002244	1.88	31.87	27.76	0.56

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	670.530	10	10.00	445.13	446.38	446.38	446.79	0.010110	2.84	3.52	4.36	1.01
R	670.530	20	20.00	445.13	446.88	446.88	447.46	0.009440	3.37	5.94	5.22	1.01
R	670.530	30	30.00	445.13	447.35	447.35	447.88	0.008731	3.24	9.27	8.77	1.01
R	670.530	40	40.00	445.13	447.63	447.63	448.19	0.008385	3.30	12.12	10.88	1.00
R	670.530	50	50.00	445.13	447.81	447.81	448.46	0.008203	3.55	14.09	10.88	1.00
R	670.530	60	60.00	445.13	447.98	447.98	448.71	0.008198	3.78	15.87	10.88	1.00
R	647.510	10	10.00	444.82	446.19		446.35	0.005712	1.79	5.59	5.70	0.58
R	647.510	20	20.00	444.82	446.74		446.99	0.006048	2.22	8.99	6.69	0.61
R	647.510	30	30.00	444.82	447.30	446.65	447.48	0.005733	1.88	15.94	16.59	0.61
R	647.510	40	40.00	444.82	447.56		447.74	0.005410	1.88	21.29	21.62	0.60
R	647.510	50	50.00	444.82	447.77		447.96	0.004513	1.93	25.87	21.62	0.56
R	647.510	60	60.00	444.82	447.98		448.18	0.003935	1.98	30.27	21.62	0.53
R	624.280	10	10.00	444.50	445.73	445.73	446.11	0.018785	2.72	3.68	4.93	1.00
R	624.280	20	20.00	444.50	446.20	446.20	446.74	0.017554	3.26	6.14	5.69	1.00
R	624.280	30	30.00	444.50	446.55	446.55	447.22	0.017102	3.62	8.29	6.29	1.01
R	624.280	40	40.00	444.50	447.00	447.00	447.51	0.016538	3.14	12.73	12.98	1.01
R	624.280	50	50.00	444.50	447.15	447.15	447.74	0.016375	3.40	14.70	13.00	1.02
R	624.280	60	60.00	444.50	447.30	447.30	447.97	0.016236	3.62	16.56	13.03	1.03
R	610.380	10	10.00	444.32	445.67		445.81	0.010179	1.66	6.03	12.23	0.75
R	610.380	20	20.00	444.32	446.26		446.36	0.003196	1.42	14.08	14.87	0.47
R	610.380	30	30.00	444.32	446.73		446.83	0.002064	1.39	21.54	16.53	0.39
R	610.380	40	40.00	444.32	446.93		447.06	0.002353	1.61	24.81	16.55	0.42
R	610.380	50	50.00	444.32	447.03		447.21	0.003010	1.89	26.45	16.56	0.48
R	610.380	60	60.00	444.32	447.11		447.35	0.003677	2.15	27.89	16.57	0.53
R	600.610	10	10.00	444.18	445.63		445.73	0.005237	1.36	7.33	11.87	0.55
R	600.610	20	20.00	444.18	446.25		446.33	0.002152	1.23	16.22	15.66	0.39
R	600.610	30	30.00	444.18	446.73		446.81	0.001628	1.24	24.12	18.62	0.35
R	600.610	40	40.00	444.18	446.93		447.03	0.001944	1.42	28.14	20.27	0.39
R	600.610	50	50.00	444.18	447.03		447.17	0.002422	1.65	30.23	20.28	0.43
R	600.610	60	60.00	444.18	447.12		447.30	0.002888	1.87	32.09	20.28	0.47

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	581.060	10	10.00	443.92	445.12	445.12	445.52	0.019297	2.81	3.56	4.45	1.00
R	581.060	20	20.00	443.92	445.62	445.62	446.19	0.018268	3.35	5.96	5.23	1.00
R	581.060	30	30.00	443.92	446.08	446.08	446.68	0.017222	3.43	8.74	7.34	1.00
R	581.060	40	40.00	443.92	446.63	446.63	446.93	0.016630	2.43	16.49	27.67	1.00
R	581.060	50	50.00	443.92	446.83	446.74	447.07	0.011319	2.19	22.80	33.74	0.85
R	581.060	60	60.00	443.92	446.94	446.83	447.20	0.009920	2.26	26.53	33.74	0.81
R	564.770	10	10.00	443.76	444.80	444.77	445.14	0.014047	2.57	3.89	5.19	0.95
R	564.770	20	20.00	443.76	445.31	445.21	445.76	0.011968	2.96	6.75	6.00	0.89
R	564.770	30	30.00	443.76	445.92		446.32	0.008303	2.78	10.81	7.83	0.75
R	564.770	40	40.00	443.76	446.15	445.92	446.62	0.015353	3.04	13.17	14.35	1.01
R	564.770	50	50.00	443.76	446.32	446.32	446.83	0.014998	3.17	15.76	15.75	1.01
R	564.770	60	60.00	443.76	446.64	446.64	446.99	0.015112	2.63	22.82	32.19	1.00
R	546.180	10	10.00	443.58	444.76		444.93	0.005795	1.85	5.42	6.08	0.62
R	546.180	20	20.00	443.58	445.30		445.55	0.005592	2.22	8.99	7.00	0.63
R	546.180	30	30.00	443.58	445.88		446.11	0.008349	2.16	13.87	16.42	0.75
R	546.180	40	40.00	443.58	446.10		446.33	0.009509	2.11	19.00	26.71	0.80
R	546.180	50	50.00	443.58	446.27		446.49	0.008208	2.10	23.79	30.07	0.75
R	546.180	60	60.00	443.58	446.43		446.65	0.006411	2.09	28.70	30.07	0.68
R	533.700	10	10.00	443.46	444.63		444.84	0.007524	2.04	4.90	5.75	0.71
R	533.700	20	20.00	443.46	445.17		445.47	0.007053	2.43	8.23	6.61	0.70
R	533.700	30	30.00	443.46	445.82		446.00	0.007339	1.90	15.82	21.04	0.70
R	533.700	40	40.00	443.46	446.03		446.23	0.005773	1.97	20.35	21.04	0.64
R	533.700	50	50.00	443.46	446.17		446.41	0.005874	2.15	23.25	21.04	0.65
R	533.700	60	60.00	443.46	446.30		446.57	0.005885	2.30	26.04	21.04	0.66
R	518.540	10	10.00	443.32	444.55		444.73	0.006003	1.87	5.34	6.09	0.64
R	518.540	20	20.00	443.32	445.11		445.36	0.005497	2.22	9.01	7.00	0.62
R	518.540	30	30.00	443.32	445.70		445.88	0.008902	1.87	16.08	25.62	0.75
R	518.540	40	40.00	443.32	445.99		446.14	0.004583	1.70	23.51	25.62	0.57
R	518.540	50	50.00	443.32	446.14		446.31	0.004379	1.83	27.36	25.62	0.56
R	518.540	60	60.00	443.32	446.28		446.47	0.004185	1.93	31.07	25.62	0.56

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	516.280	10	10.00	443.30	444.58		444.71	0.003853	1.60	6.24	6.23	0.51
R	516.280	20	20.00	443.30	445.13		445.34	0.004206	2.02	9.91	7.00	0.54
R	516.280	30	30.00	443.30	445.69		445.86	0.004544	1.81	16.56	15.62	0.56
R	516.280	40	40.00	443.30	445.92		446.12	0.004373	1.99	20.11	15.62	0.56
R	516.280	50	50.00	443.30	446.02		446.29	0.005441	2.31	21.62	15.62	0.63
R	516.280	60	60.00	443.30	446.10		446.45	0.006568	2.62	22.87	15.62	0.69
R	502.750	10	10.00	443.17	444.25	444.22	444.60	0.014188	2.59	3.86	5.14	0.95
R	502.750	20	20.00	443.17	444.67	444.66	445.21	0.015076	3.25	6.15	5.73	1.00
R	502.750	30	30.00	443.17	445.01	445.01	445.70	0.015272	3.69	8.12	5.87	1.00
R	502.750	40	40.00	443.17	445.67	445.67	446.00	0.016459	2.55	15.67	24.03	1.01
R	502.750	50	50.00	443.17	445.79	445.79	446.16	0.015264	2.72	18.39	24.03	0.99
R	502.750	60	60.00	443.17	445.88	445.88	446.31	0.014925	2.90	20.71	24.03	1.00
R	482.000	10	10.00	442.97	444.13		444.34	0.007898	2.00	4.99	5.65	0.68
R	482.000	20	20.00	442.97	444.34	444.34	444.88	0.016887	3.24	6.17	5.77	1.00
R	482.000	30	30.00	442.97	444.67	444.67	445.37	0.017029	3.69	8.12	5.91	1.01
R	482.000	40	40.00	442.97	445.26	445.26	445.55	0.017309	2.42	16.53	28.71	1.02
R	482.000	50	50.00	442.97	445.40	445.37	445.69	0.013892	2.41	20.76	30.83	0.94
R	482.000	60	60.00	442.97	445.60		445.85	0.008390	2.22	27.06	30.83	0.76
R	465.540	10	10.00	442.81	443.84	443.75	444.13	0.021888	2.36	4.24	8.83	1.09
R	465.540	20	20.00	442.81	444.45		444.58	0.005132	1.65	12.13	13.37	0.55
R	465.540	30	30.00	442.81	444.87		445.00	0.004780	1.63	18.40	19.88	0.54
R	465.540	40	40.00	442.81	445.18		445.31	0.003429	1.59	25.21	21.72	0.47
R	465.540	50	50.00	442.81	445.41		445.55	0.003000	1.66	30.21	21.72	0.45
R	465.540	60	60.00	442.81	445.59		445.75	0.002955	1.76	34.02	21.72	0.45
R	450.690	10	10.00	442.66	443.68		443.91	0.009162	2.14	4.67	5.67	0.75
R	450.690	20	20.00	442.66	444.28	444.09	444.48	0.007947	1.99	10.04	11.92	0.69
R	450.690	30	30.00	442.66	444.74		444.92	0.006024	1.88	15.94	16.47	0.61
R	450.690	40	40.00	442.66	445.08		445.25	0.004287	1.85	21.65	16.85	0.52
R	450.690	50	50.00	442.66	445.30		445.50	0.004068	1.96	25.46	17.08	0.51
R	450.690	60	60.00	442.66	445.46		445.69	0.004271	2.13	28.14	17.08	0.53

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	433.030	10	10.00	442.49	443.41	443.36	443.71	0.013388	2.42	4.14	5.78	0.91
R	433.030	20	20.00	442.49	443.90		444.30	0.010937	2.79	7.17	6.55	0.85
R	433.030	30	30.00	442.49	444.43		444.77	0.008686	2.61	11.51	9.04	0.74
R	433.030	40	40.00	442.49	444.79		445.12	0.010423	2.55	15.68	15.24	0.80
R	433.030	50	50.00	442.49	445.10		445.39	0.007684	2.39	20.89	17.37	0.70
R	433.030	60	60.00	442.49	445.25		445.58	0.007662	2.56	23.45	17.37	0.70
R	419.070	10	10.00	442.36	443.36		443.54	0.007084	1.90	5.26	6.48	0.67
R	419.070	20	20.00	442.36	443.89		444.15	0.006160	2.25	8.89	7.21	0.65
R	419.070	30	30.00	442.36	444.50		444.63	0.004140	1.62	18.54	19.17	0.53
R	419.070	40	40.00	442.36	444.87		444.98	0.003244	1.48	27.09	26.86	0.47
R	419.070	50	50.00	442.36	445.18		445.28	0.002166	1.41	35.46	27.10	0.39
R	419.070	60	60.00	442.36	445.35		445.46	0.002114	1.50	40.01	27.10	0.39
R	405.770	10	10.00	442.23	443.23		443.44	0.008231	2.03	4.93	6.09	0.72
R	405.770	20	20.00	442.23	443.77		444.06	0.006950	2.36	8.48	6.93	0.68
R	405.770	30	30.00	442.23	444.45	443.79	444.57	0.004387	1.49	20.08	24.93	0.53
R	405.770	40	40.00	442.23	444.85		444.94	0.002213	1.34	29.94	24.93	0.39
R	405.770	50	50.00	442.23	445.16		445.25	0.001672	1.32	37.82	25.18	0.34
R	405.770	60	60.00	442.23	445.33		445.43	0.001718	1.43	42.02	25.18	0.35
R	391.400	10	10.00	442.09	443.08		443.31	0.009303	2.14	4.68	5.57	0.75
R	391.400	20	20.00	442.09	443.56		443.93	0.009709	2.71	7.38	5.71	0.76
R	391.400	30	30.00	442.09	443.93		444.44	0.010504	3.15	9.54	5.82	0.78
R	391.400	40	40.00	442.09	444.71	443.98	444.88	0.007154	1.84	21.75	28.73	0.67
R	391.400	50	50.00	442.09	445.10	444.63	445.22	0.002838	1.51	33.13	28.73	0.45
R	391.400	60	60.00	442.09	445.28		445.40	0.002603	1.58	38.09	28.73	0.44
R	379.630	10	10.00	441.98	442.89	442.81	443.18	0.012317	2.37	4.22	5.37	0.85
R	379.630	20	20.00	441.98	443.30	443.24	443.78	0.013929	3.08	6.49	5.77	0.93
R	379.630	30	30.00	441.98	443.61	443.59	444.27	0.015369	3.60	8.33	6.06	0.98
R	379.630	40	40.00	441.98	443.90	443.90	444.70	0.015860	3.96	10.11	6.34	1.00
R	379.630	50	50.00	441.98	444.17	444.17	445.07	0.015779	4.21	11.89	6.60	1.00
R	379.630	60	60.00	441.98	445.18	444.88	445.35	0.005159	1.88	31.96	31.44	0.59

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	365.630	10	10.00	441.84	442.76		443.01	0.010596	2.23	4.48	5.72	0.81
R	365.630	20	20.00	441.84	443.14	443.06	443.59	0.012486	2.95	6.79	6.12	0.89
R	365.630	30	30.00	441.84	443.43	443.39	444.05	0.014370	3.50	8.57	6.41	0.97
R	365.630	40	40.00	441.84	443.69	443.69	444.46	0.015393	3.90	10.25	6.68	1.01
R	365.630	50	50.00	441.84	444.00	443.95	444.83	0.014114	4.03	12.40	7.00	0.97
R	365.630	60	60.00	441.84	444.20	444.20	445.16	0.015098	4.35	13.80	7.20	1.00
R	353.840	10	10.00	441.73	442.60		442.88	0.011785	2.32	4.31	6.01	0.87
R	353.840	20	20.00	441.73	443.02	442.94	443.44	0.011590	2.85	7.01	6.83	0.90
R	353.840	30	30.00	441.73	443.34	443.26	443.87	0.011761	3.23	9.30	7.46	0.92
R	353.840	40	40.00	441.73	443.62	443.55	444.24	0.012040	3.49	11.46	8.27	0.95
R	353.840	50	50.00	441.73	444.15	443.81	444.55	0.011505	2.79	17.89	18.54	0.91
R	353.840	60	60.00	441.73	444.21	444.21	444.72	0.013984	3.18	18.89	18.65	1.01
R	322.720	10	10.00	441.33	442.29		442.53	0.009683	2.17	4.60	6.12	0.80
R	322.720	20	20.00	441.33	442.70	442.59	443.08	0.010565	2.75	7.27	7.06	0.87
R	322.720	30	30.00	441.33	443.01	442.91	443.51	0.011096	3.14	9.55	7.77	0.90
R	322.720	40	40.00	441.33	443.27	443.18	443.87	0.011419	3.43	11.66	8.41	0.93
R	322.720	50	50.00	441.33	443.57	443.51	444.16	0.012012	3.41	14.65	11.40	0.96
R	322.720	60	60.00	441.33	444.08		444.31	0.007753	2.11	28.42	34.81	0.75
R	289.040	10	10.00	441.08	441.97		442.20	0.009910	2.14	4.68	6.63	0.81
R	289.040	20	20.00	441.08	442.39		442.73	0.009455	2.58	7.74	7.80	0.83
R	289.040	30	30.00	441.08	442.75		443.15	0.008730	2.81	10.68	8.83	0.82
R	289.040	40	40.00	441.08	443.05		443.50	0.008109	2.96	13.52	9.72	0.80
R	289.040	50	50.00	441.08	443.33	443.05	443.81	0.007666	3.06	16.36	10.69	0.79
R	289.040	60	60.00	441.08	443.82		444.08	0.006040	2.27	26.47	23.60	0.68
R	256.260	10	10.00	440.70	441.68		441.89	0.008717	2.05	4.89	6.75	0.77
R	256.260	20	20.00	440.70	442.16		442.45	0.007303	2.36	8.47	8.06	0.74
R	256.260	30	30.00	440.70	442.55		442.88	0.006548	2.53	11.88	9.33	0.71
R	256.260	40	40.00	440.70	442.89		443.25	0.005949	2.63	15.24	10.44	0.69
R	256.260	50	50.00	440.70	443.19		443.57	0.005527	2.70	18.53	11.48	0.68
R	256.260	60	60.00	440.70	443.62		443.88	0.005902	2.26	26.56	23.65	0.68

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	222.720	10	10.00	440.40	441.36		441.59	0.009121	2.15	4.66	5.97	0.77
R	222.720	20	20.00	440.40	441.79		442.16	0.009547	2.68	7.46	6.85	0.82
R	222.720	30	30.00	440.40	442.13		442.60	0.009823	3.04	9.87	7.53	0.85
R	222.720	40	40.00	440.40	442.39	442.25	442.96	0.010364	3.35	11.94	8.10	0.88
R	222.720	50	50.00	440.40	442.64	442.51	443.29	0.010615	3.57	13.99	8.71	0.90
R	222.720	60	60.00	440.40	442.99		443.61	0.008831	3.49	17.18	9.60	0.83
R	211.410	10	10.00	440.05	441.23		441.48	0.010823	2.19	4.56	6.48	0.83
R	211.410	20	20.00	440.05	441.72		442.05	0.008596	2.54	7.88	7.19	0.77
R	211.410	30	30.00	440.05	442.06		442.48	0.008697	2.89	10.39	7.58	0.79
R	211.410	40	40.00	440.05	442.30		442.84	0.009579	3.26	12.29	7.80	0.83
R	211.410	50	50.00	440.05	442.42	442.34	443.15	0.012222	3.79	13.20	7.90	0.94
R	211.410	60	60.00	440.05	442.55	442.55	443.45	0.014177	4.21	14.26	8.01	1.01
R	199.420	10	10.00	440.17	441.13		441.35	0.008988	2.05	4.88	6.56	0.76
R	199.420	20	20.00	440.17	441.67	441.38	441.92	0.008640	2.23	8.99	10.16	0.76
R	199.420	30	30.00	440.17	442.10	441.76	442.33	0.006259	2.13	14.08	13.09	0.66
R	199.420	40	40.00	440.17	442.43		442.67	0.005314	2.13	18.78	15.24	0.61
R	199.420	50	50.00	440.17	442.66		442.91	0.005813	2.20	22.71	18.89	0.64
R	199.420	60	60.00	440.17	442.85		443.11	0.005464	2.27	26.42	19.71	0.63
R	176.630	10	10.00	439.98	440.73	440.73	441.06	0.016758	2.58	3.88	5.80	1.01
R	176.630	20	20.00	439.98	441.13	441.13	441.63	0.015710	3.13	6.38	6.44	1.00
R	176.630	30	30.00	439.98	441.47	441.47	442.08	0.015110	3.49	8.61	6.95	1.00
R	176.630	40	40.00	439.98	441.96	441.96	442.45	0.015616	3.10	12.90	13.61	1.02
R	176.630	50	50.00	439.98	442.12	442.12	442.68	0.014790	3.30	15.17	13.88	1.01
R	176.630	60	60.00	439.98	442.27	442.27	442.89	0.014358	3.48	17.26	14.12	1.00
R	149.150	10	10.00	439.51	440.38	440.31	440.64	0.011801	2.24	4.47	6.61	0.87
R	149.150	20	20.00	439.51	440.77	440.69	441.17	0.011642	2.79	7.17	7.30	0.90
R	149.150	30	30.00	439.51	441.00	441.00	441.58	0.014200	3.39	8.86	7.70	1.01
R	149.150	40	40.00	439.51	441.34	441.34	441.79	0.015194	2.96	13.49	15.59	1.02
R	149.150	50	50.00	439.51	441.51	441.51	442.00	0.014485	3.08	16.25	17.00	1.00
R	149.150	60	60.00	439.51	441.64	441.64	442.18	0.014162	3.27	18.36	17.09	1.01

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	129.390	10	10.00	439.25	440.04	440.04	440.36	0.015791	2.53	3.96	6.15	1.00
R	129.390	20	20.00	439.25	440.43	440.43	440.90	0.014493	3.04	6.58	7.08	1.01
R	129.390	30	30.00	439.25	440.83	440.83	441.22	0.015264	2.75	10.91	14.36	1.01
R	129.390	40	40.00	439.25	441.00	441.00	441.45	0.014958	2.99	13.38	15.07	1.01
R	129.390	50	50.00	439.25	441.18	441.18	441.66	0.014641	3.09	16.20	17.02	1.01
R	129.390	60	60.00	439.25	441.30	441.30	441.85	0.014370	3.28	18.29	17.15	1.01
R	109.300	10	10.00	438.84	439.62	439.62	439.92	0.015925	2.45	4.08	6.74	1.00
R	109.300	20	20.00	438.84	440.04	439.99	440.43	0.012529	2.79	7.18	8.00	0.94
R	109.300	30	30.00	438.84	440.61		440.80	0.007180	1.96	15.30	19.42	0.71
R	109.300	40	40.00	438.84	440.83		441.04	0.005875	2.04	19.60	19.92	0.66
R	109.300	50	50.00	438.84	441.03		441.26	0.005051	2.11	23.68	20.17	0.62
R	109.300	60	60.00	438.84	441.23		441.46	0.005041	2.13	28.14	23.61	0.62
R	89.990	10	10.00	438.26	439.41	439.31	439.65	0.010151	2.16	4.62	6.48	0.82
R	89.990	20	20.00	438.26	439.90	439.70	440.22	0.008090	2.48	8.08	7.54	0.76
R	89.990	30	30.00	438.26	440.48	440.01	440.67	0.006422	1.94	15.49	18.03	0.67
R	89.990	40	40.00	438.26	440.72	440.40	440.92	0.005646	2.00	19.98	19.74	0.63
R	89.990	50	50.00	438.26	440.95		441.16	0.004751	2.04	24.56	20.44	0.59
R	89.990	60	60.00	438.26	441.14		441.37	0.004230	2.10	28.56	20.44	0.57
R	73.170	10	10.00	438.23	439.12	439.09	439.44	0.014248	2.49	4.01	5.73	0.95
R	73.170	20	20.00	438.23	439.51	439.51	440.02	0.014999	3.15	6.34	6.33	1.01
R	73.170	30	30.00	438.23	439.84	439.84	440.47	0.014585	3.52	8.52	6.84	1.01
R	73.170	40	40.00	438.23	440.22	440.22	440.75	0.015066	3.20	12.50	12.13	1.01
R	73.170	50	50.00	438.23	440.42	440.42	440.99	0.014825	3.36	14.89	13.01	1.00
R	73.170	60	60.00	438.23	440.59	440.59	441.21	0.014584	3.48	17.23	13.91	1.00
R	57.590	10	10.00	438.14	438.95	438.89	439.22	0.012296	2.29	4.36	6.41	0.89
R	57.590	20	20.00	438.14	439.31	439.28	439.75	0.013570	2.95	6.79	7.16	0.97
R	57.590	30	30.00	438.14	439.69	439.66	440.17	0.013400	3.05	9.85	9.85	0.97
R	57.590	40	40.00	438.14	440.11		440.47	0.010176	2.63	15.20	15.64	0.85
R	57.590	50	50.00	438.14	440.23	440.16	440.67	0.011521	2.94	17.03	16.08	0.91
R	57.590	60	60.00	438.14	440.32	440.29	440.86	0.013056	3.24	18.54	16.44	0.97

HEC-RAS Plan: Plan 03 River: R Reach: R (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
R	34.780	10	10.00	437.61	438.57	438.57	438.89	0.016191	2.51	3.98	6.30	1.01
R	34.780	20	20.00	437.61	438.96	438.96	439.43	0.014563	3.02	6.63	7.20	1.00
R	34.780	30	30.00	437.61	439.27	439.27	439.84	0.014046	3.36	8.93	7.89	1.01
R	34.780	40	40.00	437.61	439.67	439.67	440.18	0.013890	3.18	12.59	12.34	1.00
R	34.780	50	50.00	437.61	439.95	439.95	440.37	0.014429	2.85	17.57	21.46	1.00
R	34.780	60	60.00	437.61	440.06	440.06	440.53	0.013999	3.02	19.85	21.46	1.00
R	17.680	10	10.00	437.63	438.24	438.24	438.51	0.015973	2.32	4.31	7.95	1.01
R	17.680	20	20.00	437.63	438.57	438.57	438.98	0.014383	2.83	7.07	8.76	1.01
R	17.680	30	30.00	437.63	438.84	438.84	439.35	0.013617	3.16	9.49	9.42	1.01
R	17.680	40	40.00	437.63	439.07	439.07	439.66	0.013046	3.41	11.74	10.00	1.00
R	17.680	50	50.00	437.63	439.50	439.50	439.89	0.014006	2.79	17.93	22.79	1.00
R	17.680	60	60.00	437.63	439.61	439.61	440.04	0.013665	2.91	20.61	24.01	1.00
R	12.130	10	10.00	435.77	436.35	436.35	436.59	0.016840	2.14	4.67	10.06	1.00
R	12.130	20	20.00	435.77	436.63	436.63	436.98	0.015409	2.60	7.69	11.34	1.01
R	12.130	30	30.00	435.77	436.95	436.95	437.29	0.015384	2.56	11.74	17.76	1.00
R	12.130	40	40.00	435.77	437.10	437.10	437.49	0.014807	2.79	14.35	18.28	1.00
R	12.130	50	50.00	435.77	437.23	437.23	437.68	0.014324	2.97	16.81	18.76	1.00
R	12.130	60	60.00	435.77	437.35	437.35	437.85	0.014218	3.15	19.04	19.18	1.01
R	5.950	10	10.00	435.68	436.27	436.27	436.44	0.018838	1.83	5.46	16.57	1.02
R	5.950	20	20.00	435.68	436.47	436.47	436.73	0.015927	2.26	8.84	16.99	1.00
R	5.950	30	30.00	435.68	436.63	436.63	436.97	0.015104	2.59	11.59	17.32	1.01
R	5.950	40	40.00	435.68	436.77	436.77	437.18	0.014392	2.83	14.11	17.57	1.01
R	5.950	50	50.00	435.68	436.91	436.91	437.38	0.013861	3.04	16.43	17.70	1.01
R	5.950	60	60.00	435.68	437.03	437.03	437.56	0.013243	3.21	18.70	17.83	1.00