

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Alignment - 1	7994.37	100Yr	26.00	46.39	47.41	47.41	47.71	0.007887	2.57	13.42	27.14	0.91
Alignment - 1	7994.37	10Yr	11.00	46.39	47.11	47.06	47.28	0.007767	1.87	6.62	17.85	0.84
Alignment - 1	7900	100Yr	26.00	45.60	46.77	46.77	46.87	0.005034	1.69	30.52	112.21	0.69
Alignment - 1	7900	10Yr	11.00	45.60	46.63	46.45	46.72	0.004306	1.37	8.01	82.28	0.62
Alignment - 1	7820.6	100Yr	26.00	45.61	46.67	46.44	46.69	0.000867	0.78	64.97	158.04	0.30
Alignment - 1	7820.6	10Yr	11.00	45.61	46.50	46.17	46.53	0.001304	0.80	14.94	134.18	0.35
Alignment - 1	7700	100Yr	26.00	45.64	46.24	46.24	46.43	0.009542	1.97	16.71	76.88	0.92
Alignment - 1	7700	10Yr	11.00	45.64	46.04	46.04	46.16	0.012858	1.56	7.67	34.30	0.97
Alignment - 1	7600	100Yr	26.00	43.73	45.55	45.17	45.63	0.001524	1.37	27.80	47.60	0.42
Alignment - 1	7600	10Yr	11.00	43.73	45.25	44.79	45.28	0.000981	0.89	15.43	33.54	0.32
Alignment - 1	7500	100Yr	26.00	43.51	45.56	44.79	45.56	0.000201	0.50	110.71	197.94	0.15
Alignment - 1	7500	10Yr	11.00	43.51	45.20	44.42	45.22	0.000400	0.59	18.62	130.72	0.21
Alignment - 1	7400	100Yr	26.00	43.31	45.56	44.24	45.56	0.000033	0.25	248.40	343.70	0.07
Alignment - 1	7400	10Yr	11.00	43.31	45.20	43.94	45.21	0.000030	0.20	110.80	197.03	0.06
Alignment - 1	7300	100Yr	26.00	42.33	45.55	43.74	45.55	0.000009	0.15	422.42	397.61	0.03
Alignment - 1	7300	10Yr	11.00	42.33	45.20	43.32	45.20	0.000007	0.12	198.47	219.38	0.03
Alignment - 1	7209.17	100Yr	26.00	42.05	45.55	43.48	45.55	0.000013	0.18	265.53	293.66	0.04
Alignment - 1	7209.17	10Yr	11.00	42.05	45.20	43.04	45.20	0.000005	0.10	203.59	175.16	0.03
Alignment - 1	7000	100Yr	26.00	43.81	45.52	44.90	45.54	0.000672	0.65	40.12	357.54	0.26
Alignment - 1	7000	10Yr	11.00	43.81	45.19	44.60	45.20	0.000466	0.48	22.81	332.85	0.21
Alignment - 1	6900	100Yr	26.00	44.28	45.23	45.15	45.37	0.007443	1.68	15.43	323.21	0.80
Alignment - 1	6900	10Yr	11.00	44.28	44.99	44.90	45.08	0.005931	1.27	8.65	312.12	0.69
Alignment - 1	6800	100Yr	26.00	43.74	44.25	44.25	44.41	0.012830	1.78	14.63	229.29	1.00
Alignment - 1	6800	10Yr	11.00	43.74	44.07	44.07	44.18	0.014904	1.46	7.55	217.48	1.00
Alignment - 1	6700	100Yr	26.00	42.16	42.82	42.82	42.97	0.010038	1.82	17.91	245.57	0.92
Alignment - 1	6700	10Yr	11.00	42.16	42.62	42.62	42.74	0.012809	1.55	7.31	204.04	0.96
Alignment - 1	6538.21	100Yr	26.00	40.86	41.69	41.52	41.71	0.001420	0.86	62.59	219.08	0.36
Alignment - 1	6538.21	10Yr	11.00	40.86	41.48	41.36	41.51	0.002186	0.81	22.81	128.53	0.42
Alignment - 1	6424.46	100Yr	26.00	39.97	41.09	41.09	41.35	0.009719	2.38	14.79	181.73	0.96
Alignment - 1	6424.46	10Yr	11.00	39.97	40.82	40.82	41.01	0.011082	1.97	5.76	19.85	0.97
Alignment - 1	6326.76	100Yr	26.00	39.59	40.85	40.56	40.92	0.001971	1.17	27.60	80.62	0.44
Alignment - 1	6326.76	10Yr	11.00	39.59	40.64	40.31	40.67	0.001138	0.72	15.73	36.26	0.32
Alignment - 1	6209.36	100Yr	26.00	39.81	40.76	40.48	40.78	0.000645	0.71	81.35	239.41	0.26
Alignment - 1	6209.36	10Yr	11.00	39.81	40.53	40.23	40.55	0.000937	0.67	24.88	118.03	0.29
Alignment - 1	6100	100Yr	26.00	39.83	40.61	40.39	40.65	0.002371	1.13	37.63	97.28	0.47
Alignment - 1	6100	10Yr	11.00	39.83	40.31	40.22	40.36	0.004131	1.06	15.02	62.05	0.57
Alignment - 1	6000	100Yr	26.00	39.15	40.17	40.02	40.32	0.004585	1.74	17.05	49.54	0.67
Alignment - 1	6000	10Yr	11.00	39.15	39.91	39.72	39.98	0.003456	1.20	9.15	18.95	0.55
Alignment - 1	5900	100Yr	26.00	38.75	39.97	39.73	40.03	0.001722	1.33	37.42	74.15	0.44
Alignment - 1	5900	10Yr	11.00	38.75	39.63	39.47	39.69	0.002471	1.17	14.65	57.02	0.48
Alignment - 1	5800	100Yr	60.00	38.40	39.96	39.46	39.97	0.000346	0.70	212.30	340.40	0.20
Alignment - 1	5800	10Yr	26.00	38.40	39.53	39.27	39.56	0.000940	0.87	66.50	204.16	0.31
Alignment - 1	5400	100Yr	60.00	36.68	38.95	38.75	39.31	0.005664	2.67	22.51	19.98	0.80
Alignment - 1	5400	10Yr	26.00	36.68	38.55	38.20	38.70	0.003095	1.71	15.22	16.74	0.57
Alignment - 1	5300	100Yr	60.00	36.83	38.73	38.30	38.88	0.002536	1.72	34.97	39.19	0.54
Alignment - 1	5300	10Yr	26.00	36.83	37.90	37.90	38.16	0.011047	2.26	11.50	22.03	1.00
Alignment - 1	5200	100Yr	60.00	35.08	38.80		38.81	0.000101	0.60	213.92	221.30	0.12
Alignment - 1	5200	10Yr	26.00	35.08	37.88	36.44	37.91	0.000270	0.72	48.11	77.62	0.18
Alignment - 1	5100	100Yr	60.00	35.47	38.14	38.14	38.72	0.009363	3.38	17.77	15.30	1.00
Alignment - 1	5100	10Yr	26.00	35.47	37.48	37.23	37.81	0.005550	2.54	10.22	8.79	0.75
Alignment - 1	5000	100Yr	60.00	35.49	37.36	37.29	37.82	0.007494	3.01	19.93	18.22	0.92
Alignment - 1	5000	10Yr	26.00	35.49	36.80	36.76	37.11	0.008914	2.45	10.59	15.11	0.94
Alignment - 1	4900	100Yr	60.00	34.04	36.43	36.43	36.99	0.009062	3.32	18.08	16.16	1.00
Alignment - 1	4900	10Yr	26.00	34.04	35.73	35.73	36.15	0.009968	2.89	9.00	10.56	1.00
Alignment - 1	4800	100Yr	60.00	34.18	36.57	34.90	36.59	0.000200	0.61	135.89	83.51	0.16
Alignment - 1	4800	10Yr	26.00	34.18	35.86	34.57	35.87	0.000178	0.40	81.68	72.60	0.14
Alignment - 1	4700	100Yr	60.00	33.66	36.49	35.65	36.55	0.000855	1.20	71.45	65.12	0.32
Alignment - 1	4700	10Yr	26.00	33.66	35.78	35.21	35.83	0.001201	1.13	31.36	43.33	0.36

HEC-RAS Plan: Plan 04 River: Mazor maarav Reach: Alignment - 1 (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Alignment - 1	4600	100Yr	60.00	33.64	36.34	35.50	36.45	0.000993	1.51	45.42	40.25	0.36
Alignment - 1	4600	10Yr	26.00	33.64	35.65	34.97	35.71	0.001084	1.12	23.25	23.95	0.35
Alignment - 1	4500	100Yr	60.00	33.46	36.15	35.42	36.31	0.001894	1.77	33.87	24.47	0.48
Alignment - 1	4500	10Yr	26.00	33.46	35.50	34.84	35.59	0.001360	1.29	20.22	18.43	0.39
Alignment - 1	4400	100Yr	60.00	33.92	35.94	35.37	36.10	0.002338	1.79	33.48	28.16	0.52
Alignment - 1	4400	10Yr	26.00	33.92	35.33	34.88	35.42	0.001995	1.38	18.87	20.93	0.46
Alignment - 1	4300	100Yr	60.00	33.54	35.80	35.17	35.89	0.001536	1.37	43.83	40.58	0.42
Alignment - 1	4300	10Yr	26.00	33.54	35.14	34.75	35.21	0.002091	1.24	21.03	28.59	0.46
Alignment - 1	4200	100Yr	60.00	33.00	35.67	34.80	35.76	0.001171	1.32	45.40	36.00	0.38
Alignment - 1	4200	10Yr	26.00	33.00	35.02	34.30	35.07	0.000964	1.02	25.50	25.75	0.33
Alignment - 1	4127.19	100Yr	60.00	33.64	35.47		35.63	0.002513	1.76	34.15	31.41	0.54
Alignment - 1	4127.19	10Yr	26.00	33.64	34.61	34.61	34.88	0.011226	2.29	11.34	21.58	1.01
Alignment - 1	4000	100Yr	60.00	32.04	35.36	33.98	35.45	0.000747	1.36	44.29	23.94	0.31
Alignment - 1	4000	10Yr	26.00	32.04	34.41	33.36	34.46	0.000652	1.04	25.04	17.79	0.28
Alignment - 1	3900	100Yr	60.00	31.58	35.24	34.03	35.36	0.001035	1.55	46.46	74.55	0.36
Alignment - 1	3900	10Yr	26.00	31.58	34.30	33.32	34.38	0.000970	1.25	20.84	14.82	0.34
Alignment - 1	3800	100Yr	60.00	31.52	35.19	33.71	35.27	0.000623	1.20	50.93	40.30	0.29
Alignment - 1	3800	10Yr	26.00	31.52	34.25	33.07	34.30	0.000526	0.93	27.81	19.81	0.25
Alignment - 1	3700	100Yr	60.00	32.21	35.04	34.17	35.16	0.001790	1.56	38.50	32.48	0.46
Alignment - 1	3700	10Yr	26.00	32.21	34.08	33.62	34.20	0.002196	1.53	16.96	16.99	0.49
Alignment - 1	3600	100Yr	60.00	32.13	34.74	33.95	34.96	0.002026	2.07	28.94	16.65	0.50
Alignment - 1	3600	10Yr	26.00	32.13	33.83	33.28	33.98	0.002139	1.68	15.49	12.89	0.49
Alignment - 1	3300	100Yr	60.00	30.20	33.17	32.77	33.51	0.004421	2.59	23.21	17.36	0.71
Alignment - 1	3300	10Yr	26.00	30.20	32.46	32.03	32.66	0.003303	1.99	13.10	11.56	0.60
Alignment - 1	3100	100Yr	60.00	30.02	32.68	31.86	32.79	0.001298	1.44	41.62	31.17	0.40
Alignment - 1	3100	10Yr	26.00	30.02	31.97	31.33	32.03	0.001283	1.16	22.34	22.86	0.38
Alignment - 1	3000	100Yr	60.00	29.70	32.09	31.91	32.51	0.006036	2.87	20.96	25.80	0.83
Alignment - 1	3000	10Yr	26.00	29.70	31.66	31.27	31.83	0.003214	1.84	14.16	14.11	0.58
Alignment - 1	2800	100Yr	60.00	29.49	31.92	31.25	32.00	0.001018	1.34	67.23	124.88	0.36
Alignment - 1	2800	10Yr	26.00	29.49	31.33	30.77	31.40	0.001387	1.13	23.04	28.55	0.38
Alignment - 1	2618.52	100Yr	60.00	28.69	31.89	30.73	31.91	0.000227	0.76	179.17	304.41	0.18
Alignment - 1	2618.52	10Yr	26.00	28.69	31.21	30.15	31.25	0.000493	0.85	32.36	72.05	0.24
Alignment - 1	2500	100Yr	60.00	29.02	31.13	31.13	31.76	0.021439	4.34	28.35	200.05	1.44
Alignment - 1	2500	10Yr	26.00	29.02	31.15	31.15	31.16	0.000848	0.88	72.44	204.65	0.29
Alignment - 1	2400	100Yr	60.00	27.77	30.29	29.97	30.45	0.002342	1.86	45.08	79.08	0.53
Alignment - 1	2400	10Yr	26.00	27.77	28.82	29.32	30.70	0.081992	6.07	4.28	8.14	2.67
Alignment - 1	2300	100Yr	60.00	28.03	30.19	29.72	30.26	0.001244	1.36	65.42	76.99	0.39
Alignment - 1	2300	10Yr	26.00	28.03	29.81	29.26	29.84	0.000888	0.96	38.66	64.67	0.31
Alignment - 1	2200	100Yr	60.00	27.79	30.09	29.54	30.14	0.000974	1.24	84.74	143.31	0.34
Alignment - 1	2200	10Yr	26.00	27.79	29.74	29.09	29.77	0.000645	0.87	45.69	97.46	0.27
Alignment - 1	2100	100Yr	60.00	27.50	29.77	29.71	29.97	0.002918	2.26	48.89	137.61	0.60
Alignment - 1	2100	10Yr	26.00	27.50	29.62	29.01	29.68	0.001035	1.24	33.36	96.03	0.35
Alignment - 1	2022.9	100Yr	60.00	27.34	29.53	29.53	29.66	0.004938	2.00	51.86	121.82	0.71
Alignment - 1	2022.9	10Yr	26.00	27.34	29.17	29.17	29.47	0.010978	2.45	10.61	17.35	1.00
Alignment - 1	1900	100Yr	60.00	26.41	29.28	28.22	29.35	0.000670	1.17	59.59	106.44	0.30
Alignment - 1	1900	10Yr	26.00	26.41	28.61	27.70	28.65	0.000610	0.87	29.85	27.05	0.26
Alignment - 1	1800	100Yr	60.00	26.30	28.76	28.76	29.17	0.005574	2.90	25.53	50.00	0.81
Alignment - 1	1800	10Yr	26.00	26.30	28.33	27.96	28.51	0.003484	1.92	13.56	13.46	0.61
Alignment - 1	1700	100Yr	60.00	26.33	28.77	28.07	28.84	0.000946	1.35	73.39	129.74	0.35
Alignment - 1	1700	10Yr	26.00	26.33	28.24	27.54	28.30	0.001050	1.10	24.54	46.24	0.34
Alignment - 1	1600	100Yr	60.00	25.48	28.39	28.02	28.66	0.003469	2.38	31.79	52.51	0.64
Alignment - 1	1600	10Yr	26.00	25.48	28.08	27.26	28.18	0.001356	1.37	19.75	23.32	0.39
Alignment - 1	1500	100Yr	60.00	26.19	28.04	28.04	28.21	0.005053	2.30	50.52	122.65	0.74
Alignment - 1	1500	10Yr	26.00	26.19	27.83	27.83	27.96	0.003882	1.76	25.25	114.80	0.63
Alignment - 1	1400	100Yr	60.00	25.85	27.75	27.66	27.86	0.002351	1.77	69.02	197.80	0.52
Alignment - 1	1400	10Yr	26.00	25.85	27.72	27.02	27.74	0.000523	0.82	63.14	193.35	0.25
Alignment - 1	1300	100Yr	60.00	25.95	27.59	27.47	27.63	0.001918	1.43	98.42	219.97	0.46
Alignment - 1	1300	10Yr	26.00	25.95	27.41	27.41	27.61	0.005472	2.11	18.37	213.37	0.75

HEC-RAS Plan: Plan 04 River: Mazor maarav Reach: Alignment - 1 (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Alignment - 1	1200	100Yr	60.00	25.26	27.41	27.26	27.47	0.001377	1.51	97.96	194.31	0.40
Alignment - 1	1200	10Yr	26.00	25.26	27.10	26.72	27.28	0.002954	1.96	18.82	180.29	0.57
Alignment - 1	1100	100Yr	60.00	25.34	27.40	26.79	27.41	0.000246	0.67	183.27	207.34	0.17
Alignment - 1	1100	10Yr	26.00	25.34	26.61	26.49	26.86	0.006073	2.22	11.88	138.28	0.79
Alignment - 1	1000.75	100Yr	60.00	24.25	27.23	26.44	27.35	0.001216	1.60	51.29	131.46	0.40
Alignment - 1	1000.75	10Yr	26.00	24.25	26.41	25.86	26.51	0.001856	1.41	18.40	18.30	0.45
Alignment - 1	912.84	100Yr	60.00	24.07	27.06	26.35	27.21	0.001900	1.71	35.10	26.78	0.48
Alignment - 1	912.84	10Yr	26.00	24.07	26.18	25.75	26.32	0.002703	1.63	15.94	16.91	0.54
Alignment - 1	600	100Yr	60.00	23.08	25.46	25.46	26.06	0.008888	3.41	17.58	14.78	1.00
Alignment - 1	600	10Yr	26.00	23.08	25.14	24.78	25.34	0.003571	1.97	13.20	12.78	0.62
Alignment - 1	500	100Yr	60.00	22.59	25.47	24.85	25.49	0.000434	0.79	145.83	224.00	0.23
Alignment - 1	500	10Yr	26.00	22.59	25.03	24.20	25.10	0.001346	1.14	22.81	201.07	0.38
Alignment - 1	400	100Yr	60.00	22.25	25.46	24.14	25.46	0.000110	0.55	258.09	370.63	0.12
Alignment - 1	400	10Yr	26.00	22.25	25.01	23.58	25.04	0.000232	0.68	41.34	291.64	0.17
Alignment - 1	300	100Yr	60.00	21.78	25.45	23.70	25.46	0.000035	0.35	396.51	379.31	0.07
Alignment - 1	300	10Yr	26.00	21.78	25.02	23.17	25.02	0.000026	0.26	234.17	373.00	0.06
Alignment - 1	200	100Yr	60.00	21.60	25.45	23.68	25.45	0.000022	0.28	432.17	329.20	0.06
Alignment - 1	200	10Yr	26.00	21.60	25.02	23.15	25.02	0.000013	0.18	291.14	325.81	0.04
Alignment - 1	100	100Yr	60.00	21.55	25.45	23.52	25.45	0.000013	0.21	575.94	400.00	0.04
Alignment - 1	100	10Yr	26.00	21.55	25.02	22.97	25.02	0.000011	0.17	280.50	230.42	0.04
Alignment - 1	0	100Yr	60.00	20.71	25.45	22.35	25.45	0.000011	0.21	542.42	383.31	0.04
Alignment - 1	0	10Yr	26.00	20.71	25.02	21.84	25.02	0.000005	0.13	381.36	365.95	0.03