

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 - (2)	6490.92	100Yr	19.00	122.90	123.46	123.43	123.61	0.031412	1.71	11.21	30.27	0.88
Alignment - (2)	6490.92	10Yr	8.00	122.90	123.29	123.26	123.38	0.034060	1.27	6.31	27.25	0.84
Alignment - (2)	6400	100Yr	19.00	119.90	120.48	120.45	120.63	0.034237	1.73	10.97	29.62	0.91
Alignment - (2)	6400	10Yr	8.00	119.90	120.31		120.39	0.031658	1.27	6.28	25.43	0.82
Alignment - (2)	6292.17	100Yr	19.00	116.68	117.44	117.38	117.60	0.023456	1.80	11.03	27.70	0.80
Alignment - (2)	6292.17	10Yr	8.00	116.68	117.20	117.14	117.30	0.026037	1.38	5.81	18.01	0.77
Alignment - (2)	6200	100Yr	19.00	113.94	114.79	114.79	115.05	0.032941	2.29	8.77	17.60	0.96
Alignment - (2)	6200	10Yr	8.00	113.94	114.55	114.52	114.69	0.030702	1.68	4.89	14.69	0.86
Alignment - (2)	6100	100Yr	19.00	110.46	111.42	111.44	111.68	0.034502	2.32	8.83	20.19	0.98
Alignment - (2)	6100	10Yr	8.00	110.46	111.18	111.17	111.34	0.036864	1.76	4.60	15.24	0.94
Alignment - (2)	6010.36	100Yr	19.00	107.36	108.33	108.29	108.53	0.031239	1.98	9.60	19.75	0.91
Alignment - (2)	6010.36	10Yr	8.00	107.36	108.05	108.02	108.19	0.033369	1.65	4.86	13.85	0.89
Alignment - (2)	5900	100Yr	19.00	104.36	105.02	104.97	105.20	0.029142	1.90	10.02	20.89	0.87
Alignment - (2)	5900	10Yr	8.00	104.36	104.79	104.74	104.89	0.026750	1.40	5.71	17.59	0.79
Alignment - (2)	5800	100Yr	19.00	100.69	101.59	101.59	101.82	0.039486	2.14	8.86	19.27	1.01
Alignment - (2)	5800	10Yr	8.00	100.69	101.32	101.32	101.48	0.044749	1.81	4.42	13.65	1.01
Alignment - (2)	5676.8	100Yr	19.00	96.77	97.43	97.35	97.51	0.015818	1.42	16.05	47.24	0.65
Alignment - (2)	5676.8	10Yr	8.00	96.77	97.25	97.19	97.31	0.016713	1.13	8.32	36.98	0.62
Alignment - (2)	5600	100Yr	19.00	94.72	95.44	95.44	95.67	0.039653	2.15	8.83	19.16	1.01
Alignment - (2)	5600	10Yr	8.00	94.72	95.22	95.21	95.36	0.042595	1.62	4.93	17.30	0.97
Alignment - (2)	5500	100Yr	19.00	91.10	91.81	91.78	92.00	0.031917	1.95	9.76	20.92	0.91
Alignment - (2)	5500	10Yr	8.00	91.10	91.60	91.56	91.70	0.031524	1.44	5.54	18.50	0.84
Alignment - (2)	5400	100Yr	19.00	87.27	88.25	88.25	88.56	0.037062	2.44	7.79	13.14	1.01
Alignment - (2)	5400	10Yr	8.00	87.27	87.89	87.89	88.11	0.041285	2.04	3.91	9.36	1.01
Alignment - (2)	5323.21	100Yr	19.00	83.96	84.69	84.75	84.98	0.060250	2.37	8.00	20.52	1.21
Alignment - (2)	5323.21	10Yr	8.00	83.96	84.57	84.53	84.67	0.031417	1.42	5.62	19.03	0.84
Alignment - (2)	5191.57	100Yr	19.00	80.85	81.74	81.59	81.88	0.017939	1.64	11.60	20.88	0.70
Alignment - (2)	5191.57	10Yr	8.00	80.85	81.45	81.36	81.54	0.018624	1.27	6.29	17.04	0.67
Alignment - (2)	5100	100Yr	19.00	78.41	79.26	79.26	79.45	0.042902	1.93	9.85	26.76	1.01
Alignment - (2)	5100	10Yr	8.00	78.41	79.00	78.98	79.14	0.039109	1.67	4.79	15.08	0.95
Alignment - (2)	5000	100Yr	19.00	75.09	75.87	75.81	76.04	0.027602	1.84	10.30	21.45	0.85
Alignment - (2)	5000	10Yr	8.00	75.09	75.61	75.57	75.73	0.029984	1.48	5.41	16.71	0.83
Alignment - (2)	4900	100Yr	19.00	72.82	73.73	73.59	73.86	0.017520	1.55	12.28	23.74	0.69
Alignment - (2)	4900	10Yr	8.00	72.82	73.47	73.35	73.54	0.016425	1.19	6.73	18.41	0.63
Alignment - (2)	4800	100Yr	19.00	70.33	71.09	71.09	71.28	0.041377	1.93	9.84	25.99	1.00
Alignment - (2)	4800	10Yr	8.00	70.33	70.83	70.83	70.98	0.045173	1.73	4.62	15.35	1.01
Alignment - (2)	4700	100Yr	19.00	68.13	69.12	68.79	69.19	0.006766	1.17	16.28	23.44	0.45
Alignment - (2)	4700	10Yr	8.00	68.13	68.81	68.55	68.85	0.006381	0.86	9.31	20.37	0.41
Alignment - (2)	4600	100Yr	19.00	66.48	67.59	67.59	67.83	0.039071	2.17	8.76	18.49	1.00
Alignment - (2)	4600	10Yr	8.00	66.48	67.33	67.33	67.49	0.044867	1.78	4.51	14.21	1.01
Alignment - (2)	4500	100Yr	19.00	63.81	64.38	64.25	64.43	0.011982	1.02	18.63	50.74	0.54
Alignment - (2)	4500	10Yr	8.00	63.81	64.22	64.14	64.25	0.011853	0.74	10.88	48.04	0.49
Alignment - (2)	4379.72	100Yr	19.00	61.18	61.87	61.87	62.04	0.038800	1.87	10.59	32.06	0.97
Alignment - (2)	4379.72	10Yr	8.00	61.18	61.67	61.66	61.79	0.043201	1.54	5.26	21.72	0.96
Alignment - (2)	4300	100Yr	19.00	59.89	60.58	60.40	60.63	0.009349	0.98	19.44	47.06	0.48
Alignment - (2)	4300	10Yr	8.00	59.89	60.40	60.25	60.42	0.008839	0.70	11.36	42.94	0.44
Alignment - (2)	4200	100Yr	19.00	58.22	58.78	58.78	58.96	0.036916	1.91	10.43	29.97	0.96
Alignment - (2)	4200	10Yr	8.00	58.22	58.59	58.59	58.71	0.045988	1.54	5.30	23.43	0.99
Alignment - (2)	4100	100Yr	19.00	56.43	57.11	56.85	57.13	0.004116	0.68	28.24	64.42	0.32
Alignment - (2)	4100	10Yr	8.00	56.43	56.92	56.73	56.93	0.003985	0.49	16.34	58.60	0.30
Alignment - (2)	4000	100Yr	27.00	55.47	55.89	55.88	56.01	0.036604	1.61	17.73	62.58	0.92
Alignment - (2)	4000	10Yr	12.00	55.47	55.77	55.74	55.84	0.033962	1.19	10.56	54.72	0.83
Alignment - (2)	3900	100Yr	27.00	52.98	53.71		53.79	0.014793	1.28	21.10	47.88	0.62
Alignment - (2)	3900	10Yr	12.00	52.98	53.51		53.56	0.016288	0.99	12.15	43.71	0.60
Alignment - (2)	3800	100Yr	27.00	51.58	52.30	52.16	52.38	0.013464	1.18	22.93	54.96	0.58

HEC-RAS Plan: Plan 02 River: Kfar Kesem Reach: Alignment - (2) (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 - (2)	3800	10Yr	12.00	51.58	52.13	52.01	52.17	0.012029	0.87	13.85	48.35	0.52
Alignment - (2)	3700	100Yr	27.00	49.78	50.08	50.08	50.17	0.042267	1.44	21.29	114.05	0.94
Alignment - (2)	3700	10Yr	12.00	49.78	50.00	50.00	50.06	0.046063	1.17	11.87	100.43	0.92
Alignment - (2)	3600	100Yr	27.00	47.92	48.45		48.50	0.008821	1.01	31.66	100.57	0.48
Alignment - (2)	3600	10Yr	12.00	47.92	48.31	48.18	48.34	0.007598	0.73	18.71	82.57	0.42
Alignment - (2)	3500	100Yr	27.00	46.38	46.96	46.93	47.05	0.027507	1.50	20.73	78.40	0.81
Alignment - (2)	3500	10Yr	12.00	46.38	46.81	46.81	46.89	0.036994	1.37	10.23	60.97	0.88
Alignment - (2)	3400	100Yr	27.00	44.54	45.12	45.02	45.17	0.013537	0.92	28.96	98.97	0.55
Alignment - (2)	3400	10Yr	12.00	44.54	45.03	44.93	45.05	0.008903	0.60	19.81	94.34	0.42
Alignment - (2)	3300	100Yr	27.00	43.04	43.38	43.34	43.44	0.022781	1.13	27.39	134.79	0.70
Alignment - (2)	3300	10Yr	12.00	43.04	43.26	43.26	43.32	0.046177	1.13	12.10	110.71	0.91
Alignment - (2)	3000	100Yr	27.00	39.08	39.66	39.52	39.69	0.007854	0.89	36.77	125.10	0.44
Alignment - (2)	3000	10Yr	12.00	39.08	39.55	39.43	39.57	0.005526	0.61	24.14	113.65	0.35
Alignment - (2)	2900	100Yr	27.00	38.08	38.51		38.57	0.017105	1.25	26.52	97.97	0.65
Alignment - (2)	2900	10Yr	12.00	38.08	38.36	38.35	38.42	0.036570	1.29	12.13	88.23	0.87
Alignment - (2)	2800	100Yr	27.00	37.20	38.02		38.03	0.002501	0.65	49.12	125.41	0.27
Alignment - (2)	2800	10Yr	12.00	37.20	37.83		37.84	0.002180	0.49	28.54	95.90	0.24
Alignment - (2)	2700	100Yr	27.00	36.79	37.28	37.28	37.41	0.034536	1.84	18.74	74.17	0.93
Alignment - (2)	2700	10Yr	12.00	36.79	37.15	37.15	37.25	0.041835	1.58	9.74	62.50	0.96
Alignment - (2)	2600	100Yr	27.00	34.92	35.61	35.39	35.65	0.005605	0.99	33.37	82.57	0.40
Alignment - (2)	2600	10Yr	12.00	34.92	35.43	35.25	35.45	0.004565	0.71	19.82	65.99	0.34
Alignment - (2)	2500	100Yr	27.00	34.15	34.96		35.01	0.007548	1.03	32.35	93.96	0.45
Alignment - (2)	2500	10Yr	12.00	34.15	34.76	34.65	34.79	0.010409	0.88	15.83	64.11	0.49
Alignment - (2)	2400	100Yr	27.00	33.53	34.41		34.45	0.004237	1.01	35.88	80.74	0.36
Alignment - (2)	2400	10Yr	12.00	33.53	34.18		34.21	0.003741	0.75	19.96	56.49	0.32
Alignment - (2)	2300	100Yr	27.00	32.70	33.37	33.37	33.54	0.029542	1.94	15.62	45.89	0.88
Alignment - (2)	2300	10Yr	12.00	32.70	33.16	33.16	33.30	0.043459	1.64	7.43	29.22	0.98
Alignment - (2)	2200	100Yr	27.00	31.95	33.02	32.49	33.03	0.000879	0.50	73.82	147.87	0.17
Alignment - (2)	2200	10Yr	12.00	31.95	32.74	32.35	32.74	0.000881	0.38	38.66	95.37	0.16
Alignment - (2)	2100	100Yr	27.00	31.35	32.98		32.99	0.000242	0.35	97.69	102.98	0.09
Alignment - (2)	2100	10Yr	12.00	31.35	32.71		32.72	0.000127	0.22	70.44	95.98	0.07
Alignment - (2)	1998.94	100Yr	27.00	31.78	32.65	32.65	32.88	0.031710	2.13	13.25	33.79	0.93
Alignment - (2)	1998.94	10Yr	12.00	31.78	32.62	32.39	32.67	0.008101	1.02	12.04	30.89	0.46
Alignment - (2)	1923.06	100Yr	27.00	30.98	31.97	31.52	31.98	0.001413	0.60	61.91	129.00	0.21
Alignment - (2)	1923.06	10Yr	12.00	30.98	31.39	31.39	31.48	0.041994	1.48	9.45	56.76	0.94
Alignment - (2)	1800	100Yr	27.00	29.80	31.95		31.95	0.000076	0.40	137.96	166.73	0.09
Alignment - (2)	1800	10Yr	12.00	29.80	31.17	30.36	31.17	0.000172	0.43	42.79	79.02	0.13
Alignment - (2)	1700	100Yr	27.00	29.30	31.95		31.95	0.000014	0.21	308.66	231.69	0.04
Alignment - (2)	1700	10Yr	12.00	29.30	31.17		31.17	0.000025	0.21	138.13	188.80	0.05
Alignment - (2)	1600	100Yr	27.00	29.52	31.95	30.15	31.95	0.000021	0.24	196.35	161.18	0.05
Alignment - (2)	1600	10Yr	12.00	29.52	31.16	29.97	31.17	0.000025	0.19	92.68	109.88	0.05
Alignment - (2)	1500	100Yr	27.00	30.46	31.93	31.25	31.94	0.000490	0.59	84.46	126.98	0.20
Alignment - (2)	1500	10Yr	12.00	30.46	31.00	31.00	31.14	0.036653	2.19	7.78	28.75	1.43
Alignment - (2)	1396.1	100Yr	27.00	28.68	31.91	29.78	31.92	0.000102	0.49	71.33	101.79	0.11
Alignment - (2)	1396.1	10Yr	12.00	28.68	31.03	29.41	31.04	0.000097	0.38	31.66	21.54	0.10
Alignment - (2)	1300	100Yr	27.00	28.56	31.67	30.79	31.87	0.002942	2.01	13.41	7.33	0.48
Alignment - (2)	1300	10Yr	12.00	28.56	30.89	30.15	31.00	0.002190	1.46	8.22	6.06	0.40
Alignment - (2)	1200	100Yr	27.00	28.47	30.73	30.73	31.30	0.012995	3.34	8.08	7.15	1.00
Alignment - (2)	1200	10Yr	12.00	28.47	30.10	30.10	30.51	0.014412	2.84	4.23	5.18	1.00
Alignment - (2)	1000	100Yr	27.00	28.25	29.79	29.42	29.87	0.002520	1.32	23.49	36.69	0.47
Alignment - (2)	1000	10Yr	12.00	28.25	29.50	29.09	29.54	0.001568	0.90	14.42	27.68	0.35
Alignment - (2)	900	100Yr	27.00	28.70	29.22	29.22	29.38	0.012901	1.77	16.83	64.19	0.93
Alignment - (2)	900	10Yr	12.00	28.70	29.06	29.06	29.17	0.017818	1.45	8.31	40.12	1.00
Alignment - (2)	804.72	100Yr	27.00	27.99	28.82	28.64	28.86	0.002633	1.10	41.29	102.96	0.45
Alignment - (2)	804.72	10Yr	12.00	27.99	28.65	28.51	28.67	0.002193	0.80	24.66	92.59	0.39

HEC-RAS Plan: Plan 02 River: Kfar Kesem Reach: Alignment - (2) (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 - (2)	700	100Yr	27.00	27.68	28.24	28.19	28.34	0.011735	1.70	23.62	80.29	0.89
Alignment - (2)	700	10Yr	12.00	27.68	28.08	28.06	28.16	0.018212	1.47	11.75	67.35	1.01
Alignment - (2)	600	100Yr	27.00	27.27	27.86		27.88	0.002277	0.93	51.92	131.53	0.41
Alignment - (2)	600	10Yr	12.00	27.27	27.69		27.70	0.001917	0.65	31.35	112.38	0.35
Alignment - (2)	500	100Yr	27.00	27.15	27.73		27.74	0.000879	0.60	83.39	233.96	0.26
Alignment - (2)	500	10Yr	12.00	27.15	27.52		27.53	0.001485	0.56	37.71	196.18	0.31
Alignment - (2)	400	100Yr	27.00	26.59	27.67		27.67	0.000499	0.44	80.43	202.51	0.19
Alignment - (2)	400	10Yr	12.00	26.59	27.46		27.46	0.000361	0.33	46.65	138.89	0.16
Alignment - (2)	323.03	100Yr	27.00	26.94	27.42	27.42	27.54	0.037948	2.35	18.67	117.17	1.49
Alignment - (2)	323.03	10Yr	12.00	26.94	27.26	27.26	27.36	0.042795	1.96	9.00	82.43	1.49
Alignment - (2)	163.69	100Yr	27.00	24.79	27.09	25.58	27.10	0.000138	0.48	62.86	65.72	0.12
Alignment - (2)	163.69	10Yr	12.00	24.79	26.34	25.33	26.35	0.000155	0.39	30.81	28.93	0.12
Alignment - (2)	100	100Yr	27.00	24.75	26.88	26.44	27.06	0.003696	1.90	14.23	12.72	0.57
Alignment - (2)	100	10Yr	12.00	24.75	26.08	25.98	26.30	0.008753	2.09	5.74	8.62	0.82
Alignment - (2)	0	100Yr	27.00	23.85	27.00	24.63	27.00	0.000010	0.11	237.10	179.29	0.03
Alignment - (2)	0	10Yr	12.00	23.85	26.23	24.37	26.23	0.000007	0.09	126.53	101.07	0.03