

HEC-RAS Plan: Plan 05 River: Hadarim Reach: Alignment - Hada

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 # Chi
Alignment - Hada	2200	100Yr	26.00	22.40	23.92	23.70	24.15	0.006554	2.11	12.30	120.25	0.74
Alignment - Hada	2200	10Yr	11.00	22.40	23.38	23.28	23.56	0.008405	1.90	5.80	60.51	0.80
Alignment - Hada	2100	100Yr	26.00	21.51	23.93	23.12	23.95	0.000594	0.76	60.26	197.70	0.23
Alignment - Hada	2100	10Yr	11.00	21.51	23.09	22.65	23.16	0.002054	1.18	11.25	90.42	0.41
Alignment - Hada	2000	100Yr	26.00	22.03	23.93	22.80	23.93	0.000040	0.26	199.12	175.17	0.07
Alignment - Hada	2000	10Yr	11.00	22.03	22.63	22.63	22.74	0.012449	1.66	9.86	76.31	0.90
Alignment - Hada	1880.14	100Yr	26.00	20.66	23.93	21.69	23.93	0.000026	0.30	180.91	114.16	0.06
Alignment - Hada	1880.14	10Yr	11.00	20.66	22.58	21.46	22.59	0.000073	0.33	54.06	54.76	0.09
Alignment - Hada	1850	100Yr	26.00	20.66	23.92	21.69	23.92	0.000026	0.30	180.38	114.15	0.06
Alignment - Hada	1850	10Yr	11.00	20.66	22.57	21.46	22.57	0.000076	0.34	53.35	54.56	0.09
Alignment - Hada	1801		Culvert									
Alignment - Hada	1800	100Yr	26.00	20.66	21.69	21.69	21.92	0.013664	2.48	14.82	29.77	1.03
Alignment - Hada	1800	10Yr	11.00	20.66	21.46	21.46	21.60	0.012190	1.89	8.29	27.35	0.92
Alignment - Hada	1700	100Yr	26.00	18.27	19.94	19.37	19.98	0.000385	0.87	29.87	35.57	0.30
Alignment - Hada	1700	10Yr	11.00	18.27	19.46	19.06	19.49	0.000512	0.74	14.80	27.63	0.32
Alignment - Hada	1600	100Yr	26.00	18.11	19.51	19.51	19.86	0.004582	2.60	9.99	14.54	1.00
Alignment - Hada	1600	10Yr	11.00	18.11	19.11	19.11	19.35	0.005081	2.20	5.01	10.15	1.00
Alignment - Hada	1500	100Yr	26.00	16.27	17.12	17.52	18.53	0.089350	5.27	4.93	10.85	2.49
Alignment - Hada	1500	10Yr	11.00	16.27	16.87	17.13	17.87	0.123454	4.44	2.48	8.99	2.70
Alignment - Hada	1421.48	100Yr	26.00	15.07	16.71	16.57	17.02	0.008153	2.45	10.59	11.98	0.83
Alignment - Hada	1421.48	10Yr	11.00	15.07	16.14	16.08	16.39	0.010702	2.21	4.97	8.07	0.90
Alignment - Hada	1300	100Yr	26.00	13.54	15.59		15.99	0.008551	2.80	9.28	8.27	0.84
Alignment - Hada	1300	10Yr	11.00	13.54	14.98		15.24	0.008403	2.24	4.92	6.11	0.80
Alignment - Hada	1200	100Yr	26.00	12.64	14.83	14.63	15.18	0.007367	2.62	9.94	8.78	0.78
Alignment - Hada	1200	10Yr	11.00	12.64	14.20	14.03	14.43	0.007668	2.14	5.13	6.31	0.76
Alignment - Hada	1100	100Yr	26.00	12.04	14.54		14.70	0.002768	1.75	14.83	11.83	0.50
Alignment - Hada	1100	10Yr	11.00	12.04	13.78		13.90	0.003468	1.54	7.16	8.26	0.53
Alignment - Hada	1000	100Yr	26.00	11.30	13.96	13.60	14.29	0.006155	2.54	10.25	7.63	0.70
Alignment - Hada	1000	10Yr	11.00	11.30	13.33		13.50	0.004612	1.84	5.99	5.84	0.58
Alignment - Hada	900	100Yr	26.00	11.35	13.34	13.11	13.65	0.006477	2.44	10.67	9.84	0.75
Alignment - Hada	900	10Yr	11.00	11.35	13.02	12.56	13.13	0.002741	1.42	7.74	8.44	0.47
Alignment - Hada	765.26	100Yr	26.00	11.33	13.09		13.18	0.001734	1.30	20.07	18.86	0.40
Alignment - Hada	765.26	10Yr	11.00	11.33	12.17	12.17	12.39	0.014781	2.09	5.26	12.15	1.01
Alignment - Hada	700	100Yr	26.00	10.05	13.09		13.11	0.000358	0.74	35.58	26.09	0.19
Alignment - Hada	700	10Yr	11.00	10.05	11.23	10.96	11.36	0.004546	1.60	6.86	9.44	0.60
Alignment - Hada	600	100Yr	26.00	9.23	13.08		13.09	0.000139	0.53	61.19	93.97	0.12
Alignment - Hada	600	10Yr	11.00	9.23	10.97		11.05	0.002057	1.24	8.85	9.60	0.41
Alignment - Hada	500	100Yr	26.00	8.87	13.08		13.08	0.000018	0.21	222.02	249.42	0.05
Alignment - Hada	500	10Yr	11.00	8.87	10.94		10.96	0.000353	0.61	18.00	15.53	0.18
Alignment - Hada	400	100Yr	26.00	8.37	13.08		13.08	0.000006	0.15	384.11	339.38	0.03
Alignment - Hada	400	10Yr	11.00	8.37	10.93		10.94	0.000108	0.36	30.65	24.54	0.10
Alignment - Hada	300	100Yr	26.00	7.48	13.08		13.08	0.000003	0.12	574.11	400.00	0.02
Alignment - Hada	300	10Yr	11.00	7.48	10.93		10.93	0.000039	0.26	41.75	27.88	0.06
Alignment - Hada	204.33	100Yr	26.00	8.71	13.08		13.08	0.000003	0.11	614.83	400.00	0.02
Alignment - Hada	204.33	10Yr	11.00	8.71	10.92		10.93	0.000112	0.40	32.87	38.10	0.11
Alignment - Hada	100	100Yr	26.00	7.08	13.08	8.48	13.08	0.000001	0.06	833.10	400.00	0.01
Alignment - Hada	100	10Yr	11.00	7.08	10.92	8.05	10.92	0.000014	0.18	59.72	108.89	0.04