

HEC-RAS Plan: Plan 01 River: MODI'M Reach: MODI'M

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
MODI'M	5798.62	10%	67.00	196.37	198.78	198.62	199.25	0.007384	3.04	22.11	18.41	0.85
MODI'M	5798.62	1%	167.00	196.37	199.85	199.86	200.48	0.005000	3.71	59.55	59.11	0.77
MODI'M	5700	10%	67.00	196.23	198.12		198.50	0.007206	2.72	24.60	22.12	0.82
MODI'M	5700	1%	167.00	196.23	198.63	198.87	199.64	0.015570	4.45	37.71	32.15	1.25
MODI'M	5600	10%	67.00	195.24	197.09	197.09	197.61	0.010902	3.19	21.03	20.41	1.00
MODI'M	5600	1%	167.00	195.24	198.13	198.13	198.71	0.006302	3.46	56.28	58.40	0.83
MODI'M	5500	10%	67.00	194.67	195.47	195.64	196.10	0.022133	3.53	19.82	32.79	1.35
MODI'M	5500	1%	167.00	194.67	195.82	196.32	197.38	0.033163	5.67	32.22	38.45	1.77
MODI'M	5400	10%	67.00	192.88	194.77	194.67	195.10	0.008295	2.55	26.27	29.37	0.86
MODI'M	5400	1%	167.00	192.88	195.43	195.43	196.03	0.008228	3.48	51.50	50.52	0.93
MODI'M	5300	10%	67.00	191.48	193.64	193.62	194.16	0.010287	3.21	20.90	19.34	0.98
MODI'M	5300	1%	167.00	191.48	194.57	194.60	195.27	0.006988	3.83	51.73	44.25	0.88
MODI'M	5200	10%	67.00	190.72	192.61	192.61	193.09	0.010900	3.08	21.84	23.96	1.00
MODI'M	5200	1%	167.00	190.72	193.17	193.47	194.24	0.014982	4.64	38.34	33.92	1.24
MODI'M	5100	10%	67.00	189.04	190.98	191.13	191.72	0.017054	3.82	17.62	19.09	1.24
MODI'M	5100	1%	167.00	189.04	191.89	192.08	192.94	0.011312	4.62	38.72	27.96	1.11
MODI'M	5000	10%	67.00	187.26	189.11	189.31	189.90	0.019432	3.93	17.04	18.85	1.31
MODI'M	5000	1%	167.00	187.26	189.73	190.24	191.32	0.023236	5.62	30.65	25.24	1.53
MODI'M	4900	10%	67.00	186.08	188.41	188.14	188.78	0.005602	2.73	25.01	19.56	0.75
MODI'M	4900	1%	167.00	186.08	189.39	189.15	190.06	0.006181	3.67	47.35	25.96	0.84
MODI'M	4800	10%	67.00	185.50	187.46	187.46	188.01	0.010751	3.29	20.39	18.86	1.00
MODI'M	4800	1%	167.00	185.50	188.41	188.41	189.31	0.008663	4.23	40.68	23.95	0.98
MODI'M	4700	10%	67.00	184.91	186.73	186.40	186.97	0.004291	2.18	30.96	27.74	0.65
MODI'M	4700	1%	167.00	184.91	186.88	187.18	188.05	0.018711	4.82	35.00	29.05	1.37
MODI'M	4600	10%	67.00	184.28	186.00	185.95	186.34	0.010019	2.77	27.53	34.79	0.94
MODI'M	4600	1%	167.00	184.28	186.62	186.62	187.20	0.010527	3.66	52.64	45.07	1.03
MODI'M	4500	10%	67.00	183.53	184.86	184.86	185.28	0.010980	2.98	25.23	35.45	0.99
MODI'M	4500	1%	167.00	183.53	185.46	185.56	186.14	0.010492	3.94	51.59	48.62	1.04
MODI'M	4400	10%	67.00	182.56	183.95	183.91	184.29	0.007317	2.85	30.20	39.56	0.85
MODI'M	4400	1%	167.00	182.56	184.95	184.52	185.29	0.003584	3.03	76.45	51.55	0.66
MODI'M	4300	10%	67.00	180.87	183.33		183.66	0.005478	2.54	26.42	22.46	0.73
MODI'M	4300	1%	167.00	180.87	184.25	183.98	184.84	0.005035	3.48	52.70	37.25	0.76
MODI'M	4200	10%	67.00	180.10	182.32	182.32	182.88	0.010858	3.34	20.08	17.81	1.00
MODI'M	4200	1%	167.00	180.10	183.30	183.30	184.14	0.009502	4.08	40.98	24.98	1.00
MODI'M	4100	10%	67.00	179.67	180.95	181.06	181.51	0.017642	3.31	20.35	28.21	1.22
MODI'M	4100	1%	167.00	179.67	181.40	181.78	182.69	0.022313	5.08	34.08	33.03	1.48
MODI'M	4000	10%	67.00	177.82	179.55	179.57	180.12	0.011183	3.34	20.06	18.41	1.02
MODI'M	4000	1%	167.00	177.82	180.61	180.50	181.41	0.007638	3.98	42.19	23.69	0.92
MODI'M	3900	10%	67.00	176.39	178.94	178.59	179.31	0.005452	2.70	24.82	17.54	0.72
MODI'M	3900	1%	167.00	176.39	179.68	179.68	180.59	0.008565	4.24	40.50	26.50	0.96
MODI'M	3800	10%	67.00	176.33	178.01	178.01	178.56	0.010560	3.28	20.51	19.28	1.00
MODI'M	3800	1%	167.00	176.33	179.03	179.10	179.79	0.006741	3.98	49.39	49.72	0.88
MODI'M	3700	10%	67.00	175.03	176.94	176.95	177.46	0.011226	3.17	21.14	21.17	1.01
MODI'M	3700	1%	167.00	175.03	177.49	177.96	178.73	0.016965	4.96	34.78	31.78	1.32
MODI'M	3600	10%	67.00	173.47	175.65	175.70	176.27	0.012362	3.50	19.16	17.49	1.07
MODI'M	3600	1%	167.00	173.47	176.74	176.75	177.47	0.007790	3.81	47.01	42.04	0.92
MODI'M	3500	10%	67.00	172.52	173.70	173.93	174.50	0.026804	3.97	16.89	23.25	1.49
MODI'M	3500	1%	167.00	172.52	174.15	174.69	175.91	0.036524	5.87	28.46	27.42	1.84
MODI'M	3400	10%	67.00	171.93	173.54	173.08	173.69	0.002657	1.73	39.07	35.48	0.51
MODI'M	3400	1%	167.00	171.93	174.35	173.76	174.65	0.002971	2.47	72.62	55.77	0.58
MODI'M	3300	10%	67.00	170.99	172.79	172.79	173.21	0.009679	2.89	24.88	32.96	0.94
MODI'M	3300	1%	167.00	170.99	173.42	173.42	174.11	0.010428	3.87	50.50	51.41	1.04
MODI'M	3200	10%	67.00	170.28	171.57	171.62	172.07	0.013634	3.14	21.34	25.15	1.09
MODI'M	3200	1%	167.00	170.28	172.30	172.48	173.06	0.010455	3.91	47.75	61.05	1.04

HEC-RAS Plan: Plan 01 River: MOD'I'M Reach: MOD'I'M (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
MOD'I'M	3100	10%	67.00	168.44	170.15	170.21	170.71	0.013530	3.30	20.32	21.88	1.09
MOD'I'M	3100	1%	167.00	168.44	170.85	171.15	171.82	0.014298	4.38	39.66	48.05	1.20
MOD'I'M	3000	10%	67.00	166.71	167.75	168.04	168.69	0.031621	4.30	15.57	21.61	1.62
MOD'I'M	3000	1%	167.00	166.71	168.37	168.82	169.88	0.026155	5.43	30.74	26.07	1.59
MOD'I'M	2900	10%	67.00	166.06	167.38	167.12	167.56	0.004418	1.88	35.58	39.18	0.63
MOD'I'M	2900	1%	167.00	166.06	168.03	167.73	168.38	0.005104	2.65	63.13	46.45	0.72
MOD'I'M	2800	10%	67.00	165.25	166.51	166.51	166.89	0.010781	2.76	25.39	36.51	0.97
MOD'I'M	2800	1%	167.00	165.25	167.18	167.18	167.74	0.007766	3.48	56.82	57.36	0.91
MOD'I'M	2700	10%	67.00	163.23	165.27	165.28	165.77	0.011435	3.13	21.59	23.20	1.02
MOD'I'M	2700	1%	167.00	163.23	166.05	166.13	166.82	0.010600	3.93	44.18	39.47	1.05
MOD'I'M	2600	10%	67.00	161.89	162.94	163.23	163.88	0.034532	4.29	15.64	23.42	1.67
MOD'I'M	2600	1%	167.00	161.89	164.63	163.99	164.92	0.002929	2.37	70.41	39.95	0.57
MOD'I'M	2500	10%	67.00	160.35	162.56	162.56	163.13	0.010947	3.35	20.03	17.89	1.01
MOD'I'M	2500	1%	167.00	160.35	163.53	163.53	164.38	0.009484	4.08	40.93	25.12	1.00
MOD'I'M	2400	10%	67.00	159.75	160.82	161.02	161.54	0.024342	3.77	17.77	24.70	1.42
MOD'I'M	2400	1%	167.00	159.75	161.32	161.78	162.82	0.027721	5.41	30.84	27.29	1.63
MOD'I'M	2300	10%	67.00	158.45	160.10	159.91	160.44	0.006385	2.59	25.89	22.96	0.78
MOD'I'M	2300	1%	167.00	158.45	160.84	160.74	161.58	0.008108	3.81	43.81	25.68	0.93
MOD'I'M	2200	10%	67.00	157.54	159.12	159.12	159.60	0.011157	3.06	21.86	22.86	1.00
MOD'I'M	2200	1%	167.00	157.54	159.96	159.96	160.68	0.009779	3.77	44.35	30.74	1.00
MOD'I'M	2100	10%	67.00	156.69	158.29	157.82	158.46	0.002973	1.86	36.01	29.81	0.54
MOD'I'M	2100	1%	167.00	156.69	159.17	158.57	159.50	0.003289	2.57	65.05	35.87	0.61
MOD'I'M	2000	10%	67.00	155.89	157.74		158.04	0.006178	2.41	27.80	27.02	0.76
MOD'I'M	2000	1%	167.00	155.89	158.49	158.33	159.03	0.006455	3.29	53.12	41.40	0.83
MOD'I'M	1900	10%	67.00	154.75	156.72	156.72	157.21	0.011064	3.10	21.58	22.06	1.00
MOD'I'M	1900	1%	167.00	154.75	157.59	157.59	158.28	0.008559	3.69	47.48	40.54	0.95
MOD'I'M	1800	10%	67.00	153.52	155.66	155.27	155.92	0.004212	2.28	29.33	23.22	0.65
MOD'I'M	1800	1%	167.00	153.52	156.68	156.16	157.14	0.003542	3.04	58.73	37.70	0.65
MOD'I'M	1700	10%	67.00	152.42	154.69	154.68	155.26	0.010637	3.33	20.14	17.65	0.99
MOD'I'M	1700	1%	167.00	152.42	155.70	155.70	156.59	0.007886	4.20	41.97	28.92	0.94
MOD'I'M	1600	10%	67.00	152.34	153.68	153.68	154.13	0.011256	2.97	22.59	25.20	1.00
MOD'I'M	1600	1%	167.00	152.34	154.10	154.46	155.34	0.021100	4.92	33.93	28.31	1.43
MOD'I'M	1500	10%	67.00	151.13	152.34	152.40	152.88	0.013501	3.25	20.62	23.02	1.10
MOD'I'M	1500	1%	167.00	151.13	153.21	153.21	153.97	0.009406	3.86	43.36	29.26	1.00
MOD'I'M	1400	10%	67.00	150.05	151.78	151.43	152.02	0.004385	2.17	30.89	27.17	0.65
MOD'I'M	1400	1%	167.00	150.05	152.77	152.23	153.15	0.003349	2.75	63.55	43.25	0.62
MOD'I'M	1300	10%	67.00	149.18	150.80	150.80	151.33	0.010884	3.23	20.77	19.63	1.00
MOD'I'M	1300	1%	167.00	149.18	151.72	151.72	152.57	0.009520	4.10	40.70	24.00	1.01
MOD'I'M	1200	10%	67.00	147.53	149.71	149.27	149.95	0.003818	2.16	31.03	24.56	0.61
MOD'I'M	1200	1%	167.00	147.53	150.84	150.17	151.19	0.003201	2.62	63.77	33.36	0.60
MOD'I'M	1100	10%	67.00	146.56	148.72	148.72	149.32	0.010608	3.43	19.54	16.33	1.00
MOD'I'M	1100	1%	167.00	146.56	149.79	149.79	150.64	0.009019	4.08	41.13	30.86	0.98
MOD'I'M	1000	10%	67.00	145.52	147.47	147.57	148.10	0.014050	3.50	19.13	19.47	1.13
MOD'I'M	1000	1%	167.00	145.52	148.12	148.46	149.32	0.019430	4.86	34.39	27.38	1.38
MOD'I'M	900	10%	67.00	145.15	146.75	146.59	147.10	0.007120	2.64	25.42	23.95	0.82
MOD'I'M	900	1%	167.00	145.15	147.43	147.43	148.17	0.009753	3.83	43.66	29.70	1.01
MOD'I'M	800	10%	67.00	144.94	145.85	145.85	146.15	0.012912	2.43	27.56	46.37	1.01
MOD'I'M	800	1%	167.00	144.94	146.21	146.36	146.91	0.016430	3.71	45.53	51.81	1.22
MOD'I'M	700	10%	67.00	143.27	144.81	144.63	145.12	0.006497	2.47	27.08	26.27	0.78
MOD'I'M	700	1%	167.00	143.27	145.74	145.43	146.21	0.004340	3.06	60.22	45.84	0.71
MOD'I'M	600	10%	67.00	141.90	143.99	143.85	144.41	0.007734	2.87	23.37	20.42	0.86
MOD'I'M	600	1%	167.00	141.90	144.88	144.88	145.64	0.006892	3.87	46.88	49.71	0.88
MOD'I'M	500	10%	67.00	141.09	142.96	142.96	143.49	0.010795	3.23	20.77	19.61	1.00

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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
MODI'IM	500	1%	167.00	141.09	143.64	143.92	144.66	0.013763	4.52	39.34	36.80	1.19
MODI'IM	400	10%	67.00	139.69	141.89	141.65	142.22	0.006083	2.54	26.37	23.19	0.76
MODI'IM	400	1%	167.00	139.69	142.37	142.54	143.33	0.012575	4.34	38.78	29.42	1.14
MODI'IM	300	10%	67.00	139.76	140.98	140.98	141.39	0.011527	2.83	23.64	28.89	1.00
MODI'IM	300	1%	167.00	139.76	141.69	141.69	142.34	0.010088	3.58	46.60	36.17	1.01
MODI'IM	200	10%	67.00	138.49	140.19	139.97	140.46	0.005860	2.33	28.79	28.29	0.74
MODI'IM	200	1%	167.00	138.49	140.79	140.78	141.41	0.008430	3.51	49.10	54.01	0.93
MODI'IM	100	10%	67.00	137.90	139.25	139.25	139.65	0.011594	2.81	23.88	30.20	1.00
MODI'IM	100	1%	167.00	137.90	139.96	139.96	140.56	0.008440	3.49	51.53	47.95	0.94
MODI'IM	0	10%	67.00	135.96	138.19	137.90	138.50	0.005001	2.48	27.32	23.08	0.70
MODI'IM	0	1%	167.00	135.96	139.10	138.81	139.67	0.005003	3.39	53.70	38.74	0.76