

**MRB I-70 Bridge  
Rock Core Compressive Strength Results**

SAMPLE ID	DEPTH	DIAMETER	LENGTH	AREA	L/D	LOAD	STRENGTH
	(ft.)	(in.)	(in.)	(in. <sup>2</sup> )		(lbs)	(psi)
MOC-2	42.7	1.70	4.00	2.27	2.35	12,720	5,604
MOC-2	49.4	1.80	4.00	2.54	2.22	13,710	5,388
MOC-2	57.8	1.80	3.90	2.54	2.17	12,960	5,093
MOC-2	65.0	1.80	4.00	2.54	2.22	11,560	4,543
MOC-2	73.5	1.70	4.10	2.27	2.41	16,550	7,291
MOC-2	82.8	1.80	3.90	2.54	2.17	15,380	6,044
MO-3	30.0	1.96	4.00	3.02	2.02	3,850	1,276
MO-3	36.0	1.99	4.00	3.11	2.01	33,290	10,703
MO-3	44.0	1.99	4.00	3.11	2.00	13,500	4,340
MO-3	52.3	2.00	3.90	3.14	1.97	36,410	11,590
MO-3	60.5	1.99	3.90	3.11	1.98	13,940	4,482
MO-3	68.2	2.00	4.00	3.14	2.00	60,660	19,309
MO-4	29.4	1.75	4.00	2.41	2.29	17,850	7,421
MO-4	37.4	1.75	4.00	2.41	2.29	21,860	9,088
MO-4	44.3	1.76	4.00	2.43	2.26	14,910	6,129
MO-4	51.6	1.77	4.00	2.46	2.24	21,700	8,819
MO-4	60.5	1.75	4.00	2.41	2.29	26,390	10,972
MO-4	67.5	1.76	4.00	2.43	2.27	19,210	7,896
MO-5	11.5	2.00	4.00	3.14	2.00	42,610	13,563
MO-5	18.6	1.99	3.99	3.11	2.01	24,310	7,816
MO-5	25.4	1.99	3.97	3.11	2.00	20,810	6,691
MO-5	32.7	1.98	3.97	3.08	2.01	12,260	3,982
MO-5	40.0	1.99	4.00	3.11	2.01	8,010	2,575
MO-5	47.7	1.98	4.00	3.08	2.02	14,800	4,807
MO-6	14.5	1.98	3.96	3.08	2.00	23,920	7,769
MO-6	22.7	1.98	3.98	3.08	2.01	37,400	12,147
MO-6	31.1	1.98	3.99	3.08	2.02	37,470	12,169
MO-6	38.0	1.97	3.95	3.05	2.01	27,430	8,999
MO-6	47.1	1.98	3.97	3.08	2.01	22,990	7,467
MO-6	53.0	1.92	3.99	2.90	2.08	13,940	4,815
MO-7	29.5	1.76	3.60	2.43	2.05	9,100	3,740
MO-7	35.4	1.74	3.83	2.38	2.20	17,820	7,494
MO-7	45.2	1.76	3.64	2.43	2.07	17,820	7,325
MO-7	49.8	1.76	3.84	2.43	2.18	32,400	13,318
MO-7	54.7	1.77	3.91	2.46	2.21	18,410	7,482
MO-7	60.5	1.75	3.92	2.41	2.24	5,840	2,428
MO-7	65.1	1.78	4.25	2.49	2.39	20,240	8,134
MO-7	70.2	1.75	4.25	2.41	2.43	18,840	7,833
MO-8	28.6	1.99	4.00	3.11	2.01	20,260	6,514
MO-8	35.0	2.00	4.06	3.14	2.03	14,300	4,552
MO-8	40.3	1.98	4.00	3.08	2.02	15,140	4,917
MO-8	46.4	1.98	3.99	3.08	2.02	32,770	10,643
MO-8	50.9	2.00	4.00	3.14	2.00	35,820	11,402
MO-8	56.0	1.98	4.00	3.08	2.02	20,320	6,599
MO-8	61.7	2.00	4.00	3.14	2.00	4,440	1,413
MO-8	66.7	2.00	4.04	3.14	2.02	23,270	7,407

SAMPLE ID	DEPTH	DIAMETER	LENGTH	AREA	L/D	LOAD	STRENGTH
	(ft.)	(in.)	(in.)	(in. <sup>2</sup> )		(lbs)	(psi)
WA-2	24.5	1.75	4.00	2.41	2.29	15,130	6,290
WA-2	29.6	1.76	4.00	2.43	2.26	10,980	4,513
WA-2	39.8	1.75	4.00	2.41	2.26	19,600	8,149
WA-2	49.9	1.76	3.60	2.43	2.04	11,890	4,887
WA-2	55.5	1.75	4.00	2.41	2.29	8,010	3,330
WA-2	60.5	1.75	4.00	2.41	2.29	13,080	5,438
WA-2	70.8	1.75	4.00	2.41	2.29	17,030	7,080
WA-2	75.5	1.75	4.00	2.41	2.29	28,650	11,911
WA-2	80.4	1.75	4.00	2.41	2.29	17,630	7,330
WA-2	158.3	1.75	4.00	2.41	2.29	16,410	6,822
WA-3	25.3	1.70	3.90	2.27	2.29	16,260	7,164
WA-3	32.2	1.70	4.10	2.27	2.41	12,230	5,388
WA-3	43.2	1.60	4.10	2.01	2.56	19,690	9,793
WA-3	52.1	1.70	3.80	2.27	2.24	7,170	3,159
WA-3	64.5	1.70	3.90	2.27	2.29	7,780	3,428
WA-3	77.7	1.80	3.90	2.54	2.17	11,560	4,543
WA-3	87.1	1.80	3.90	2.54	2.17	7,220	2,837
WA-4	20.9	1.99	4.00	3.11	2.01	45,400	14,597
WA-4	27.2	2.00	4.00	3.13	2.01	39,400	12,604
WA-4	33.3	1.99	4.00	3.12	2.01	26,700	8,567
WA-4	41.0	2.00	4.10	3.13	2.03	21,460	6,865
WA-4	48.7	1.98	4.00	3.08	2.02	11,470	3,725
WA-4	58.2	2.00	3.90	3.14	1.95	11,800	3,756
WA-4	68.5	1.98	4.00	3.08	2.00	16,680	5,417
WA-4	78.5	2.00	4.00	3.14	2.00	14,260	4,539
WAC-5	24.5	1.70	4.40	2.27	2.59	12,560	5,534
WAC-5	29.4	1.70	4.20	2.27	2.47	9,030	3,978
WAC-5	41.5	1.60	3.50	2.01	2.19	25,990	12,926
WT-1	73.2	1.76	4.00	2.43	2.27	26,850	11,036
WT-1	84.6	1.76	4.00	2.43	2.27	26,170	10,757
WT-1	92.7	1.76	4.00	2.43	2.27	21,410	8,800
WT-1	100.8	1.76	3.90	2.43	2.22	9,100	3,740
WT-1	109.5	1.76	4.00	2.43	2.27	39,400	16,195
WT-1	121.4	1.76	4.00	2.43	2.27	13,690	5,627
WT-1	132.3	1.76	3.90	2.43	2.22	18,660	7,670
WT-1	147.6	1.76	4.00	2.43	2.27	51,010	20,967
WT-2	75.3	1.76	4.00	2.43	2.27	38,230	15,714
WT-2	84.7	1.76	4.00	2.43	2.27	10,580	4,349
WT-2	95.5	1.76	3.90	2.43	2.22	22,610	9,294
WT-2	102.9	1.76	4.00	2.43	2.27	8,490	3,490
WT-2	109.3	1.76	4.00	2.43	2.27	14,290	5,874
WT-2	119.7	1.76	4.00	2.43	2.27	19,590	8,052
WT-2	126.5	1.76	4.00	2.43	2.27	7,870	3,235
WT-2	131.7	1.76	3.30	2.43	1.88	17,060	7,012
WT-3	80.8	1.70	4.00	2.27	2.35	11,650	5,133
WT-3	86.7	1.80	3.80	2.54	2.11	24,160	9,494
WT-3	94.5	1.70	4.00	2.27	2.35	1,820	802
WT-3	101.8	1.70	4.30	2.27	2.53	7,300	3,216
WT-3	108.6	1.80	4.20	2.54	2.33	7,160	2,814

SAMPLE ID	DEPTH	DIAMETER	LENGTH	AREA	L/D	LOAD	STRENGTH
	(ft.)	(in.)	(in.)	(in. <sup>2</sup> )		(lbs)	(psi)
WT-3	117.5	1.70	4.10	2.27	2.41	9,810	4,322
WT-3	124.5	1.80	3.90	2.54	2.17	14,800	5,816
WT-3	136.4	1.70	4.20	2.27	2.47	10,110	4,454
WT-3	146.5	1.80	4.00	2.54	2.22	11,570	4,547
WT-3	158.4	1.80	4.10	2.54	2.28	15,160	5,958
WT-4	81.9	1.70	3.90	2.27	2.29	15,900	7,005
WT-4	89	1.60	3.90	2.01	2.44	17,360	8,634
WT-4	96.8	1.80	4.00	2.54	2.22	12,710	4,995
WT-4	104.4	1.80	4.10	2.54	2.28	8,660	3,403
WT-4	111.5	1.80	4.10	2.54	2.28	10,500	4,126
WT-4	119.9	1.80	4.00	2.54	2.22	22,870	8,987
WT-4	127.4	1.70	4.20	2.27	2.47	7,620	3,357
WT-4	135.5	1.70	4.10	2.27	2.41	14,450	6,366
WT-4	144.2	1.80	4.00	2.54	2.22	11,970	4,704
WT-4	154.2	1.80	4.20	2.54	2.33	6,440	2,531
WT-5	75.2	1.76	4.00	2.43	2.27	28,540	11,731
WT-5	84.6	1.76	4.00	2.43	2.27	30,090	12,368
WT-5	93.6	1.76	4.00	2.43	2.27	12,910	5,307
WT-5	100.0	1.76	4.00	2.43	2.27	16,850	6,926
WT-5	105.1	1.76	4.00	2.43	2.27	31,820	13,079
WT-5	110.0	1.76	4.00	2.43	2.27	26,600	10,934
WT-5	120.0	1.76	4.00	2.43	2.27	11,880	4,883
WT-5	132.0	1.76	4.00	2.43	2.27	36,990	15,204
WT-5	140.1	1.76	4.00	2.43	2.27	17,600	7,234
ET-1	95.5	1.76	4.10	2.43	2.33	17,460	7,177
ET-1	104.3	1.76	4.00	2.43	2.27	25,570	10,510
ET-1	112.3	1.76	4.00	2.43	2.27	31,170	12,812
ET-1	120.6	1.76	4.00	2.43	2.27	29,480	12,117
ET-1	128.0	1.76	4.00	2.43	2.27	11,620	4,776
ET-1	137.0	1.76	3.90	2.43	2.22	9,660	3,971
ET-1	147.2	1.76	4.00	2.43	2.27	38,520	15,833
ET-1	157.6	1.76	4.00	2.43	2.27	11,950	4,912
ET-1	169.6	1.76	4.00	2.43	2.27	16,090	6,614
ET-2	110.0	1.76	4.00	2.43	2.27	20,020	8,239
ET-2	119.5	1.76	4.00	2.43	2.27	32,850	13,519
ET-2	131.5	1.76	4.00	2.43	2.27	24,530	10,095
ET-2	140.6	1.76	4.00	2.43	2.27	10,670	4,391
ET-2	149.8	1.76	4.00	2.43	2.27	51,200	21,070
ET-2	159.0	1.76	4.00	2.43	2.27	23,030	9,477
ET-2	169.9	1.76	4.00	2.43	2.27	24,310	10,004
ET-3	98.4	1.76	4.00	2.43	2.27	4,430	1,823
ET-3	104.4	1.76	4.00	2.43	2.27	16,160	6,650
ET-3	114.0	1.76	4.00	2.43	2.27	28,310	11,650
ET-3	124.5	1.76	4.00	2.43	2.27	23,100	9,506
ET-3	132.7	1.76	4.00	2.43	2.27	33,540	13,802
ET-3	140.0	1.76	4.00	2.43	2.27	35,950	14,794
ET-3	150.0	1.76	4.00	2.43	2.27	13,860	5,704
ET-3	163.0	1.76	4.00	2.43	2.27	15,900	6,543
ET-3	177.8	1.76	4.00	2.43	2.27	45,440	18,700

SAMPLE ID	DEPTH	DIAMETER	LENGTH	AREA	L/D	LOAD	STRENGTH
	(ft.)	(in.)	(in.)	(in. <sup>2</sup> )		(lbs)	(psi)
ET-4	102.8	1.76	4.00	2.43	2.27	7,820	3,214
ET-4	111.3	1.76	4.00	2.43	2.27	27,580	11,337
ET-4	120.4	1.76	4.00	2.43	2.27	32,030	13,166
ET-4	129.5	1.76	4.00	2.43	2.27	24,120	9,914
ET-4	132.4	1.76	3.90	2.43	2.22	15,300	6,289
ET-4	144.7	1.76	4.00	2.43	2.27	26,220	10,777
ET-4	153.4	1.76	3.70	2.43	2.10	16,570	6,811
ET-4	165.7	1.76	4.00	2.43	2.27	11,140	4,579
ET-5	110.0	1.76	4.00	2.43	2.27	27,040	11,128
ET-5	118.2	1.76	4.00	2.43	2.27	39,520	16,263
ET-5	126.0	1.76	4.00	2.43	2.27	10,030	4,128
ET-5	134.2	1.76	4.00	2.43	2.27	26,640	10,963
ET-5	143.0	1.76	4.00	2.43	2.27	39,100	16,091
ET-5	152.0	1.76	4.00	2.43	2.27	10,620	4,370
ET-5	160.6	1.76	4.00	2.43	2.27	39,730	16,350
ET-5	172.9	1.76	4.00	2.43	2.27	27,450	11,296
EA-1	126.4	1.77	3.90	2.46	2.20	11,320	4,601
EA-1	133.0	1.76	4.00	2.43	2.27	23,320	9,585
EA-1	140.5	1.76	4.00	2.43	2.27	20,210	8,307
EA-1	147.4	1.77	4.00	2.46	2.26	20,840	8,470
EA-1	155.5	1.77	4.00	2.46	2.26	25,360	10,307
EA-1	163.2	1.77	4.00	2.46	2.26	15,780	6,413
EA-1	170.0	1.77	4.00	2.46	2.26	26,070	10,595
EA-1	177.6	1.77	4.00	2.46	2.26	24,150	9,815
EA-1	185.1	1.76	4.00	2.43	2.27	14,140	5,812
EAC-2	125.5	1.80	3.80	2.54	2.11	11,500	4,519
EAC-2	133.1	1.80	3.70	2.54	2.06	13,760	5,407
EAC-2	140	1.70	3.70	2.27	2.18	7,190	3,168
EAC-2	149	1.70	3.80	2.27	2.24	18,230	8,032
EAC-2	158.3	1.75	4.00	2.41	2.29	35,000	14,551
EAC-2	166.6	1.75	4.00	2.41	2.29	5,370	2,233
EAC-2	174.1	1.76	3.90	2.43	2.22	13,410	5,512
EAC-2	184.8	1.75	4.00	2.41	2.29	30,940	12,863
EA-3	128.0	1.77	3.97	2.46	2.24	21,670	8,807
EA-3	135.4	1.76	4.00	2.43	2.27	26,580	10,925
EA-3	143.3	1.76	4.00	2.43	2.27	18,820	7,736
EA-3	151.0	1.76	4.00	2.43	2.27	19,820	8,147
EA-3	159.3	1.76	3.93	2.43	2.23	19,720	8,106
EA-3	166.0	1.76	4.00	2.43	2.27	18,490	7,600
EA-3	176.9	1.76	3.93	2.43	2.23	41,590	17,095
EA-4	127.1	1.77	3.96	2.46	2.24	21,750	8,839
EA-4	134.7	1.76	4.00	2.43	2.27	12,120	4,982
EA-4	140.2	1.76	4.00	2.43	2.27	10,480	4,308
EA-4	146.3	1.78	3.90	2.49	2.19	12,300	4,943
EA-4	154.5	1.76	3.96	2.43	2.25	12,510	5,142
EA-4	162.3	1.77	3.93	2.46	2.22	19,690	8,002
EA-4	169.5	1.77	3.89	2.46	2.20	29,730	12,083
EA-4	179.8	1.78	3.50	2.49	1.97	15,400	6,189
EA-5	126.9	1.76	3.97	2.43	2.26	11,750	4,830

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	(ft.)	(in.)	(in.)	(in. <sup>2</sup> )		(lbs)	(psi)
EA-5	143.0	1.76	4.00	2.43	2.27	9,780	4,020
EA-5	150.3	1.75	3.99	2.41	2.28	33,250	13,824
EA-5	158.0	1.76	3.90	2.43	2.22	15,100	6,207
EA-5	168.2	1.76	4.00	2.43	2.27	6,700	2,754
EA-5	175.5	1.75	4.00	2.41	2.29	7,840	3,259
EA-5	182.0	1.75	4.00	2.41	2.29	12,970	5,392
IL-1	121.3	1.76	3.96	2.43	2.25	21,820	8,969
IL-1	128.2	1.77	3.95	2.46	2.23	20,850	8,474
IL-1	135.8	1.77	4.00	2.46	2.26	14,120	5,738
IL-1	144.9	1.76	3.84	2.43	2.18	18,320	7,530
IL-1	151.7	1.77	3.54	2.46	2.00	8,910	3,621
IL-1	159.5	1.76	3.70	2.43	2.10	3,910	1,607
IL-2	121.0	1.76	4.00	2.43	2.27	19,180	7,884
IL-2	128.7	1.76	3.99	2.43	2.27	16,320	6,708
IL-2	135.7	1.77	3.97	2.46	2.24	16,530	6,718
IL-2	144.0	1.78	4.00	2.49	2.25	27,460	11,035
IL-2	152.0	1.77	4.00	2.46	2.26	34,490	14,017
IL-2	160.0	1.76	3.90	2.43	2.22	35,340	14,526
IL-3	124.9	1.74	3.95	2.38	2.27	7,810	3,284
IL-3	131.6	1.76	3.98	2.43	2.26	24,580	10,103
IL-3	140.5	1.75	4.00	2.41	2.29	14,590	6,066
IL-3	148.0	1.75	4.00	2.41	2.29	20,060	8,340
IL-4	123.5	1.76	3.99	2.43	2.27	8,270	3,399
IL-4	130.0	1.76	3.98	2.43	2.26	20,390	8,381
IL-4	138.2	1.76	4.00	2.43	2.27	18,410	7,567
IL-4	145.3	1.76	4.00	2.43	2.27	7,500	3,083
IL-4	154.4	1.76	4.00	2.43	2.27	16,670	6,852
IL-4	162.0	1.76	4.00	2.43	2.27	8,150	3,350
ILC-5	126.3	1.75	3.96	2.41	2.26	17,800	7,400
ILC-5	130.6	1.76	4.00	2.43	2.27	7,080	2,910
ILC-5	138.0	1.76	4.00	-	-	10,170	-
ILC-5	146.8	1.78	3.92	2.49	2.20	37,770	15,178
ILC-5	153.3	1.75	3.97	2.41	2.27	11,020	4,582
ILC-5	160.0	1.77	3.80	2.46	2.15	26,270	10,676
IL-6	128.4	1.75	4.00	2.41	2.29	14,530	6,041
IL-6	136.0	1.75	3.99	2.41	2.28	23,340	9,704
IL-6	147.0	1.76	4.00	2.43	2.27	17,290	7,107
IL-6	155.0	1.75	4.00	-	-	27,670	-
IL-6	163.6	1.76	3.95	2.43	2.24	16,960	6,971
IL-7	130.9	1.78	4.02	2.49	2.26	23,520	9,452
IL-7	139.0	1.77	4.00	2.46	2.26	10,920	4,438
IL-7	147.4	1.78	4.10	2.49	2.30	8,430	3,388
IL-7	155.1	1.75	3.99	2.41	2.28	11,750	4,885
IL-7	163.0	1.78	4.25	2.49	2.39	11,460	4,605
IL-7	171.4	1.77	4.20	2.46	2.37	16,250	6,604
ILC-8	130.7	1.76	4.00	2.43	2.27	13,250	5,446
ILC-8	138.6	1.76	3.93	2.43	2.23	15,160	6,231
ILC-8	146.6	1.76	3.89	2.43	2.21	19,810	8,143
ILC-8	153.8	1.76	3.74	2.43	2.13	11,130	4,575

SAMPLE ID	DEPTH	DIAMETER	LENGTH	AREA	L/D	LOAD	STRENGTH
	(ft.)	(in.)	(in.)	(in. <sup>2</sup> )		(lbs)	(psi)
ILC-8	161.5	1.76	3.90	2.43	2.22	17,450	7,173
ILC-8	170.2	1.76	3.90	2.43	2.22	7,940	3,264
IL-10	117.2	1.99	4.10	3.11	2.06	35,100	11,285
IL-10	127.1	1.99	4.00	3.11	2.01	26,470	8,511
IL-10	131.5	1.99	4.00	3.11	2.01	25,040	8,051
IL-10	138.3	1.99	4.00	3.11	2.01	24,000	7,716
IL-10	141.9	1.99	4.10	3.11	2.06	10,890	3,501
IL-10	147.0	1.99	4.10	3.11	2.06	12,240	3,935
IL-10	156.2	2.00	4.00	3.14	2.00	27,510	8,757
ILC-11	114.6	1.99	4.00	3.11	2.01	38,900	12,507
ILC-11	123.1	1.98	3.99	3.08	2.02	17,050	5,537
ILC-11	131.5	1.99	4.00	3.11	2.01	16,730	5,379
ILC-11	137.5	2.00	4.00	3.14	2.00	9,990	3,180
ILC-11	145.3	2.00	4.10	3.14	2.05	34,660	11,033
ILC-11	152.9	2.00	4.00	3.14	2.00	19,890	6,331