

## Varianta 2

HEC-RAS Plan: Plan 03 River: M Reach: M

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 1028.900  | 10      | 10.00   | 451.68    | 452.60    | 452.60    | 452.93    | 0.007998   | 2.57     | 3.89      | 5.86      | 1.01         |
| M     | 1028.900  | 20      | 20.00   | 451.68    | 453.00    | 453.00    | 453.50    | 0.007416   | 3.12     | 6.41      | 6.48      | 1.00         |
| M     | 1028.900  | 30      | 30.00   | 451.68    | 453.65    | 453.32    | 454.01    | 0.004810   | 2.67     | 11.25     | 10.26     | 0.81         |
| M     | 1028.900  | 40      | 40.00   | 451.68    | 453.91    | 453.71    | 454.31    | 0.006193   | 2.80     | 14.26     | 14.69     | 0.91         |
| M     | 1028.900  | 50      | 50.00   | 451.68    | 454.04    | 454.04    | 454.51    | 0.007416   | 3.04     | 16.43     | 17.30     | 1.00         |
| M     | 1028.900  | 60      | 60.00   | 451.68    | 454.19    | 454.19    | 454.69    | 0.007254   | 3.14     | 19.13     | 18.89     | 0.99         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 1017.820  | 10      | 10.00   | 451.48    | 452.37    | 452.37    | 452.73    | 0.008676   | 2.68     | 3.73      | 5.16      | 1.01         |
| M     | 1017.820  | 20      | 20.00   | 451.48    | 452.80    | 452.80    | 453.37    | 0.008604   | 3.34     | 5.98      | 5.25      | 1.00         |
| M     | 1017.820  | 30      | 30.00   | 451.48    | 453.15    | 453.15    | 453.90    | 0.008923   | 3.83     | 7.84      | 5.32      | 1.01         |
| M     | 1017.820  | 40      | 40.00   | 451.48    | 453.90    | 453.46    | 454.20    | 0.009136   | 2.43     | 16.45     | 28.72     | 1.03         |
| M     | 1017.820  | 50      | 50.00   | 451.48    | 454.00    | 454.00    | 454.34    | 0.008260   | 2.57     | 19.44     | 28.72     | 1.00         |
| M     | 1017.820  | 60      | 60.00   | 451.48    | 454.09    | 454.09    | 454.47    | 0.007945   | 2.73     | 21.99     | 28.72     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 1013.860  | 10      | 10.00   | 451.31    | 452.39    |           | 452.61    | 0.004040   | 2.07     | 4.84      | 5.35      | 0.69         |
| M     | 1013.860  | 20      | 20.00   | 451.31    | 452.83    |           | 453.22    | 0.005145   | 2.79     | 7.16      | 5.42      | 0.78         |
| M     | 1013.860  | 30      | 30.00   | 451.31    | 453.04    | 452.97    | 453.70    | 0.007511   | 3.60     | 8.34      | 5.46      | 0.93         |
| M     | 1013.860  | 40      | 40.00   | 451.31    | 453.27    | 453.27    | 454.16    | 0.009014   | 4.17     | 9.60      | 5.49      | 1.01         |
| M     | 1013.860  | 50      | 50.00   | 451.31    | 453.86    | 453.86    | 454.24    | 0.008125   | 2.72     | 18.36     | 24.07     | 1.00         |
| M     | 1013.860  | 60      | 60.00   | 451.31    | 453.96    | 453.96    | 454.38    | 0.007894   | 2.90     | 20.72     | 24.07     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 1004.950  | 10      | 10.00   | 451.18    | 452.18    | 452.18    | 452.55    | 0.008991   | 2.68     | 3.73      | 5.19      | 1.01         |
| M     | 1004.950  | 20      | 20.00   | 451.18    | 452.63    | 452.63    | 453.15    | 0.008401   | 3.22     | 6.22      | 5.97      | 1.01         |
| M     | 1004.950  | 30      | 30.00   | 451.18    | 453.02    | 453.02    | 453.62    | 0.008037   | 3.42     | 8.77      | 7.42      | 1.00         |
| M     | 1004.950  | 40      | 40.00   | 451.18    | 453.52    | 453.52    | 453.84    | 0.008206   | 2.51     | 15.92     | 25.00     | 1.00         |
| M     | 1004.950  | 50      | 50.00   | 451.18    | 453.62    | 453.62    | 454.00    | 0.007957   | 2.71     | 18.43     | 25.00     | 1.01         |
| M     | 1004.950  | 60      | 60.00   | 451.18    | 453.72    | 453.72    | 454.14    | 0.007479   | 2.86     | 21.01     | 25.00     | 0.99         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 993.370   | 10      | 10.00   | 451.41    | 452.08    | 452.08    | 452.41    | 0.008843   | 2.54     | 3.93      | 6.03      | 1.00         |
| M     | 993.370   | 20      | 20.00   | 451.41    | 452.50    | 452.50    | 452.98    | 0.008328   | 3.07     | 6.52      | 6.79      | 1.00         |
| M     | 993.370   | 30      | 30.00   | 451.41    | 453.02    | 453.02    | 453.33    | 0.008180   | 2.49     | 12.07     | 19.04     | 1.00         |
| M     | 993.370   | 40      | 40.00   | 451.41    | 453.18    | 453.18    | 453.52    | 0.007925   | 2.58     | 15.49     | 22.79     | 1.00         |
| M     | 993.370   | 50      | 50.00   | 451.41    | 453.29    | 453.29    | 453.68    | 0.007625   | 2.74     | 18.26     | 23.87     | 1.00         |
| M     | 993.370   | 60      | 60.00   | 451.41    | 453.39    | 453.39    | 453.82    | 0.007389   | 2.91     | 20.63     | 23.87     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 990.210   | 10      | 10.00   | 450.08    | 451.02    | 451.01    | 451.37    | 0.009017   | 2.64     | 3.79      | 5.39      | 1.00         |
| M     | 990.210   | 20      | 20.00   | 450.08    | 451.59    |           | 452.01    | 0.005966   | 2.88     | 6.95      | 5.66      | 0.83         |
| M     | 990.210   | 30      | 30.00   | 450.08    | 452.09    |           | 452.56    | 0.005000   | 3.05     | 9.84      | 5.90      | 0.75         |
| M     | 990.210   | 40      | 40.00   | 450.08    | 452.77    |           | 453.14    | 0.004639   | 2.68     | 14.92     | 11.55     | 0.75         |
| M     | 990.210   | 50      | 50.00   | 450.08    | 452.82    | 452.53    | 453.35    | 0.007819   | 3.23     | 15.49     | 13.97     | 0.98         |
| M     | 990.210   | 60      | 60.00   | 450.08    | 453.13    | 453.07    | 453.53    | 0.006359   | 2.79     | 21.49     | 22.21     | 0.91         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 973.750   | 10      | 10.00   | 449.78    | 450.81    | 450.81    | 451.21    | 0.009475   | 2.80     | 3.57      | 4.54      | 1.01         |
| M     | 973.750   | 20      | 20.00   | 449.78    | 451.30    | 451.30    | 451.88    | 0.008946   | 3.35     | 5.97      | 5.24      | 1.00         |
| M     | 973.750   | 30      | 30.00   | 449.78    | 452.04    |           | 452.47    | 0.004920   | 2.88     | 10.41     | 7.23      | 0.77         |
| M     | 973.750   | 40      | 40.00   | 449.78    | 452.84    |           | 453.03    | 0.002622   | 1.90     | 21.07     | 19.92     | 0.59         |
| M     | 973.750   | 50      | 50.00   | 449.78    | 452.94    |           | 453.18    | 0.003179   | 2.16     | 23.13     | 20.83     | 0.65         |
| M     | 973.750   | 60      | 60.00   | 449.78    | 453.18    |           | 453.41    | 0.002633   | 2.12     | 28.33     | 22.96     | 0.61         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 959.280   | 10      | 10.00   | 449.52    | 450.65    |           | 450.97    | 0.007622   | 2.53     | 3.96      | 4.21      | 0.83         |
| M     | 959.280   | 20      | 20.00   | 449.52    | 451.25    |           | 451.73    | 0.007329   | 3.08     | 6.50      | 4.26      | 0.79         |
| M     | 959.280   | 30      | 30.00   | 449.52    | 451.73    |           | 452.36    | 0.007760   | 3.51     | 8.55      | 4.29      | 0.79         |
| M     | 959.280   | 40      | 40.00   | 449.52    | 452.15    |           | 452.91    | 0.008314   | 3.86     | 10.36     | 4.49      | 0.81         |
| M     | 959.280   | 50      | 50.00   | 449.52    | 452.82    |           | 453.11    | 0.005972   | 2.39     | 20.88     | 24.80     | 0.83         |
| M     | 959.280   | 60      | 60.00   | 449.52    | 453.17    |           | 453.36    | 0.002997   | 1.92     | 31.27     | 31.77     | 0.62         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 952.700   | 10      | 10.00   | 449.40    | 450.48    | 450.48    | 450.91    | 0.011247   | 2.90     | 3.45      | 4.02      | 1.00         |
| M     | 952.700   | 20      | 20.00   | 449.40    | 450.99    | 450.99    | 451.65    | 0.011494   | 3.62     | 5.52      | 4.13      | 1.00         |
| M     | 952.700   | 30      | 30.00   | 449.40    | 451.41    | 451.41    | 452.27    | 0.011911   | 4.11     | 7.29      | 4.23      | 1.00         |
| M     | 952.700   | 40      | 40.00   | 449.40    | 451.94    | 451.78    | 452.83    | 0.010099   | 4.17     | 9.58      | 4.39      | 0.90         |
| M     | 952.700   | 50      | 50.00   | 449.40    | 452.85    |           | 453.06    | 0.003719   | 2.00     | 25.02     | 27.88     | 0.67         |
| M     | 952.700   | 60      | 60.00   | 449.40    | 453.18    |           | 453.33    | 0.002029   | 1.73     | 34.77     | 30.73     | 0.52         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 939.770   | 10      | 10.00   | 449.16    | 450.27    |           | 450.49    | 0.004703   | 2.07     | 4.83      | 5.20      | 0.69         |
| M     | 939.770   | 20      | 20.00   | 449.16    | 451.07    |           | 451.32    | 0.003038   | 2.22     | 9.03      | 5.34      | 0.54         |
| M     | 939.770   | 30      | 30.00   | 449.16    | 451.74    |           | 452.01    | 0.002846   | 2.29     | 13.09     | 7.21      | 0.54         |
| M     | 939.770   | 40      | 40.00   | 449.16    | 452.34    |           | 452.56    | 0.003437   | 2.07     | 19.32     | 17.75     | 0.63         |
| M     | 939.770   | 50      | 50.00   | 449.16    | 452.89    |           | 453.00    | 0.001549   | 1.49     | 33.47     | 29.84     | 0.45         |
| M     | 939.770   | 60      | 60.00   | 449.16    | 453.20    |           | 453.30    | 0.001015   | 1.41     | 42.68     | 29.84     | 0.38         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 925.880   | 10      | 10.00   | 448.90    | 450.28    |           | 450.42    | 0.002305   | 1.62     | 6.16      | 5.30      | 0.48         |
| M     | 925.880   | 20      | 20.00   | 448.90    | 451.08    |           | 451.26    | 0.002349   | 1.88     | 10.63     | 7.21      | 0.49         |
| M     | 925.880   | 30      | 30.00   | 448.90    | 451.78    |           | 451.95    | 0.001708   | 1.79     | 16.79     | 10.24     | 0.45         |
| M     | 925.880   | 40      | 40.00   | 448.90    | 452.37    |           | 452.50    | 0.002187   | 1.59     | 25.17     | 26.48     | 0.52         |
| M     | 925.880   | 50      | 50.00   | 448.90    | 452.90    |           | 452.97    | 0.000806   | 1.21     | 41.30     | 30.97     | 0.33         |
| M     | 925.880   | 60      | 60.00   | 448.90    | 453.21    |           | 453.28    | 0.000595   | 1.18     | 50.81     | 30.97     | 0.29         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 910.590   | 10      | 10.00   | 448.63    | 450.09    |           | 450.35    | 0.005655   | 2.28     | 4.38      | 4.00      | 0.70         |
| M     | 910.590   | 20      | 20.00   | 448.63    | 450.89    |           | 451.20    | 0.004678   | 2.43     | 8.21      | 6.06      | 0.67         |
| M     | 910.590   | 30      | 30.00   | 448.63    | 451.64    |           | 451.90    | 0.004419   | 2.24     | 13.39     | 12.61     | 0.69         |
| M     | 910.590   | 40      | 40.00   | 448.63    | 452.30    |           | 452.46    | 0.002349   | 1.74     | 22.98     | 21.07     | 0.53         |
| M     | 910.590   | 50      | 50.00   | 448.63    | 452.87    |           | 452.96    | 0.000952   | 1.32     | 37.89     | 27.42     | 0.36         |
| M     | 910.590   | 60      | 60.00   | 448.63    | 453.18    |           | 453.26    | 0.000715   | 1.29     | 46.40     | 27.43     | 0.32         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 896.970   | 10      | 10.00   | 448.38    | 449.73    | 449.73    | 450.22    | 0.013393   | 3.09     | 3.24      | 3.37      | 1.01         |
| M     | 896.970   | 20      | 20.00   | 448.38    | 450.31    | 450.31    | 451.05    | 0.013723   | 3.82     | 5.23      | 3.56      | 1.01         |
| M     | 896.970   | 30      | 30.00   | 448.38    | 450.78    | 450.78    | 451.73    | 0.014133   | 4.31     | 6.96      | 3.71      | 1.00         |
| M     | 896.970   | 40      | 40.00   | 448.38    | 451.23    | 451.23    | 452.30    | 0.014190   | 4.58     | 8.74      | 4.12      | 1.00         |
| M     | 896.970   | 50      | 50.00   | 448.38    | 451.58    | 451.58    | 452.81    | 0.014677   | 4.91     | 10.18     | 4.17      | 1.00         |
| M     | 896.970   | 60      | 60.00   | 448.38    | 452.18    | 452.18    | 453.15    | 0.012164   | 4.37     | 13.74     | 7.13      | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 886.810   | 10      | 10.00   | 448.20    | 449.55    | 449.55    | 450.03    | 0.013380   | 3.08     | 3.25      | 3.40      | 1.01         |
| M     | 886.810   | 20      | 20.00   | 448.20    | 450.12    | 450.12    | 450.86    | 0.013768   | 3.82     | 5.23      | 3.57      | 1.01         |
| M     | 886.810   | 30      | 30.00   | 448.20    | 450.91    | 450.91    | 451.34    | 0.010126   | 2.91     | 10.31     | 11.32     | 0.97         |
| M     | 886.810   | 40      | 40.00   | 448.20    | 451.39    | 451.14    | 451.64    | 0.004786   | 2.21     | 18.11     | 19.39     | 0.73         |
| M     | 886.810   | 50      | 50.00   | 448.20    | 451.76    | 451.32    | 451.95    | 0.002628   | 1.93     | 25.84     | 21.64     | 0.57         |
| M     | 886.810   | 60      | 60.00   | 448.20    | 452.07    | 451.45    | 452.24    | 0.001793   | 1.84     | 32.62     | 21.64     | 0.48         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 877.540   | 10      | 10.00   | 448.03    | 449.25    | 449.25    | 449.70    | 0.012275   | 2.95     | 3.39      | 3.88      | 1.01         |
| M     | 877.540   | 20      | 20.00   | 448.03    | 449.78    | 449.78    | 450.46    | 0.012302   | 3.66     | 5.47      | 4.06      | 1.01         |
| M     | 877.540   | 30      | 30.00   | 448.03    | 450.21    | 450.21    | 451.08    | 0.012483   | 4.13     | 7.26      | 4.21      | 1.00         |
| M     | 877.540   | 40      | 40.00   | 448.03    | 450.88    | 450.88    | 451.53    | 0.011288   | 3.58     | 11.16     | 8.55      | 1.00         |
| M     | 877.540   | 50      | 50.00   | 448.03    | 451.09    | 451.09    | 451.85    | 0.011123   | 3.86     | 12.97     | 8.55      | 1.00         |
| M     | 877.540   | 60      | 60.00   | 448.03    | 451.28    | 451.28    | 452.14    | 0.011065   | 4.10     | 14.64     | 8.55      | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 853.880   | 10      | 10.00   | 447.60    | 448.67    | 448.67    | 449.05    | 0.010977   | 2.75     | 3.64      | 4.73      | 1.00         |
| M     | 853.880   | 20      | 20.00   | 447.60    | 449.13    | 449.13    | 449.72    | 0.010721   | 3.42     | 5.84      | 4.89      | 1.00         |
| M     | 853.880   | 30      | 30.00   | 447.60    | 449.67    | 449.51    | 450.30    | 0.008132   | 3.52     | 8.53      | 5.09      | 0.87         |
| M     | 853.880   | 40      | 40.00   | 447.60    | 449.84    | 449.84    | 450.76    | 0.010932   | 4.24     | 9.43      | 5.15      | 1.00         |
| M     | 853.880   | 50      | 50.00   | 447.60    | 450.41    | 450.41    | 450.86    | 0.009158   | 2.98     | 16.80     | 19.09     | 1.01         |
| M     | 853.880   | 60      | 60.00   | 447.60    | 450.52    | 450.52    | 451.03    | 0.009114   | 3.17     | 18.90     | 19.10     | 1.02         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 836.900   | 10      | 10.00   | 447.37    | 448.47    |           | 448.75    | 0.007137   | 2.35     | 4.26      | 5.20      | 0.83         |
| M     | 836.900   | 20      | 20.00   | 447.37    | 449.10    |           | 449.45    | 0.005063   | 2.62     | 7.63      | 5.47      | 0.71         |
| M     | 836.900   | 30      | 30.00   | 447.37    | 449.77    | 449.15    | 450.07    | 0.006913   | 2.45     | 12.22     | 14.62     | 0.86         |
| M     | 836.900   | 40      | 40.00   | 447.37    | 449.46    | 449.46    | 450.34    | 0.010413   | 4.15     | 9.63      | 5.62      | 1.01         |
| M     | 836.900   | 50      | 50.00   | 447.37    | 449.99    | 449.99    | 450.52    | 0.009302   | 3.23     | 15.47     | 14.67     | 1.00         |
| M     | 836.900   | 60      | 60.00   | 447.37    | 450.13    | 450.13    | 450.72    | 0.009138   | 3.42     | 17.53     | 14.90     | 1.01         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 820.980   | 10      | 10.00   | 447.16    | 448.44    |           | 448.64    | 0.004030   | 1.95     | 5.14      | 5.18      | 0.62         |
| M     | 820.980   | 20      | 20.00   | 447.16    | 449.08    |           | 449.36    | 0.003704   | 2.35     | 8.50      | 5.42      | 0.60         |
| M     | 820.980   | 30      | 30.00   | 447.16    | 449.84    | 448.97    | 449.95    | 0.002262   | 1.47     | 20.47     | 25.22     | 0.52         |
| M     | 820.980   | 40      | 40.00   | 447.16    | 449.83    |           | 450.03    | 0.004256   | 1.99     | 20.11     | 25.18     | 0.71         |
| M     | 820.980   | 50      | 50.00   | 447.16    | 449.97    |           | 450.20    | 0.003991   | 2.12     | 23.60     | 25.54     | 0.70         |
| M     | 820.980   | 60      | 60.00   | 447.16    | 450.10    |           | 450.35    | 0.003711   | 2.21     | 27.09     | 25.90     | 0.69         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 804.010   | 10      | 10.00   | 446.93    | 448.09    | 448.09    | 448.51    | 0.011698   | 2.85     | 3.50      | 4.27      | 1.01         |
| M     | 804.010   | 20      | 20.00   | 446.93    | 448.58    | 448.58    | 449.22    | 0.011599   | 3.55     | 5.63      | 4.45      | 1.01         |
| M     | 804.010   | 30      | 30.00   | 446.93    | 448.99    | 448.99    | 449.81    | 0.011734   | 4.02     | 7.46      | 4.59      | 1.01         |
| M     | 804.010   | 40      | 40.00   | 446.93    | 449.72    | 449.59    | 449.95    | 0.005155   | 2.14     | 18.70     | 23.93     | 0.77         |
| M     | 804.010   | 50      | 50.00   | 446.93    | 449.86    | 449.69    | 450.12    | 0.004609   | 2.25     | 22.20     | 23.93     | 0.75         |
| M     | 804.010   | 60      | 60.00   | 446.93    | 450.00    | 449.80    | 450.28    | 0.004206   | 2.35     | 25.55     | 23.93     | 0.73         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 801.960   | 10      | 10.00   | 446.90    | 448.05    | 448.05    | 448.46    | 0.011488   | 2.83     | 3.53      | 4.32      | 1.00         |
| M     | 801.960   | 20      | 20.00   | 446.90    | 448.54    | 448.54    | 449.17    | 0.011359   | 3.52     | 5.68      | 4.50      | 1.00         |
| M     | 801.960   | 30      | 30.00   | 446.90    | 448.94    | 448.94    | 449.75    | 0.011490   | 3.99     | 7.52      | 4.64      | 1.00         |
| M     | 801.960   | 40      | 40.00   | 446.90    | 449.57    | 449.57    | 449.92    | 0.009005   | 2.64     | 15.16     | 21.32     | 1.00         |
| M     | 801.960   | 50      | 50.00   | 446.90    | 449.68    | 449.68    | 450.09    | 0.008656   | 2.84     | 17.61     | 21.32     | 1.00         |
| M     | 801.960   | 60      | 60.00   | 446.90    | 449.79    | 449.79    | 450.25    | 0.008377   | 3.02     | 19.90     | 21.32     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 788.440   | 10      | 10.00   | 446.72    | 447.82    | 447.82    | 448.22    | 0.011366   | 2.80     | 3.57      | 4.54      | 1.01         |
| M     | 788.440   | 20      | 20.00   | 446.72    | 448.29    | 448.29    | 448.91    | 0.011117   | 3.48     | 5.75      | 4.72      | 1.01         |
| M     | 788.440   | 30      | 30.00   | 446.72    | 448.69    | 448.69    | 449.47    | 0.011076   | 3.93     | 7.63      | 4.87      | 1.00         |
| M     | 788.440   | 40      | 40.00   | 446.72    | 449.54    |           | 449.67    | 0.002563   | 1.58     | 25.35     | 31.68     | 0.56         |
| M     | 788.440   | 50      | 50.00   | 446.72    | 449.66    |           | 449.81    | 0.002567   | 1.72     | 29.04     | 31.68     | 0.57         |
| M     | 788.440   | 60      | 60.00   | 446.72    | 449.80    |           | 449.96    | 0.002295   | 1.79     | 33.61     | 31.68     | 0.55         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 777.890   | 10      | 10.00   | 446.58    | 447.68    | 447.68    | 448.08    | 0.011390   | 2.80     | 3.57      | 4.53      | 1.01         |
| M     | 777.890   | 20      | 20.00   | 446.58    | 448.15    | 448.15    | 448.77    | 0.011186   | 3.49     | 5.73      | 4.69      | 1.01         |
| M     | 777.890   | 30      | 30.00   | 446.58    | 448.55    | 448.55    | 449.34    | 0.011190   | 3.94     | 7.61      | 4.82      | 1.00         |
| M     | 777.890   | 40      | 40.00   | 446.58    | 449.43    | 449.25    | 449.63    | 0.004260   | 1.95     | 20.56     | 27.26     | 0.71         |
| M     | 777.890   | 50      | 50.00   | 446.58    | 449.52    |           | 449.76    | 0.004754   | 2.17     | 23.05     | 28.21     | 0.77         |
| M     | 777.890   | 60      | 60.00   | 446.58    | 449.68    |           | 449.93    | 0.003797   | 2.17     | 27.62     | 28.21     | 0.70         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 770.890   | 10      | 10.00   | 446.48    | 447.51    | 447.45    | 447.86    | 0.009895   | 2.63     | 3.81      | 5.05      | 0.97         |
| M     | 770.890   | 20      | 20.00   | 446.48    | 448.28    |           | 448.62    | 0.004797   | 2.58     | 7.76      | 5.23      | 0.68         |
| M     | 770.890   | 30      | 30.00   | 446.48    | 448.63    |           | 449.13    | 0.005923   | 3.13     | 9.58      | 5.31      | 0.74         |
| M     | 770.890   | 40      | 40.00   | 446.48    | 448.74    | 448.61    | 449.53    | 0.008864   | 3.92     | 10.19     | 5.34      | 0.91         |
| M     | 770.890   | 50      | 50.00   | 446.48    | 449.48    | 449.34    | 449.73    | 0.005152   | 2.19     | 22.86     | 29.51     | 0.79         |
| M     | 770.890   | 60      | 60.00   | 446.48    | 449.67    |           | 449.89    | 0.003808   | 2.11     | 28.47     | 31.00     | 0.70         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 766.010   | 10      | 10.00   | 446.41    | 447.62    |           | 447.78    | 0.002886   | 1.79     | 5.60      | 5.19      | 0.55         |
| M     | 766.010   | 20      | 20.00   | 446.41    | 448.34    |           | 448.57    | 0.002594   | 2.12     | 9.42      | 5.41      | 0.51         |
| M     | 766.010   | 30      | 30.00   | 446.41    | 448.71    |           | 449.06    | 0.003409   | 2.63     | 11.43     | 5.52      | 0.58         |
| M     | 766.010   | 40      | 40.00   | 446.41    | 448.89    | 448.37    | 449.42    | 0.004804   | 3.21     | 12.44     | 5.58      | 0.69         |
| M     | 766.010   | 50      | 50.00   | 446.41    | 449.25    | 448.66    | 449.68    | 0.007547   | 2.89     | 17.28     | 17.39     | 0.93         |
| M     | 766.010   | 60      | 60.00   | 446.41    | 449.50    | 449.44    | 449.86    | 0.007590   | 2.66     | 22.59     | 27.87     | 0.94         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 753.780   | 10      | 10.00   | 446.25    | 447.62    |           | 447.74    | 0.001933   | 1.56     | 6.42      | 5.23      | 0.45         |
| M     | 753.780   | 20      | 20.00   | 446.25    | 448.34    |           | 448.53    | 0.002041   | 1.95     | 10.26     | 5.44      | 0.45         |
| M     | 753.780   | 30      | 30.00   | 446.25    | 448.70    |           | 449.01    | 0.002805   | 2.44     | 12.27     | 5.52      | 0.52         |
| M     | 753.780   | 40      | 40.00   | 446.25    | 448.88    | 448.21    | 449.34    | 0.004045   | 3.02     | 13.25     | 5.53      | 0.62         |
| M     | 753.780   | 50      | 50.00   | 446.25    | 449.30    |           | 449.54    | 0.005999   | 2.16     | 23.19     | 34.14     | 0.84         |
| M     | 753.780   | 60      | 60.00   | 446.25    | 449.57    |           | 449.75    | 0.002912   | 1.86     | 32.30     | 34.14     | 0.61         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 744.090   | 10      | 10.00   | 446.12    | 447.55    |           | 447.71    | 0.002905   | 1.79     | 5.58      | 4.74      | 0.53         |
| M     | 744.090   | 20      | 20.00   | 446.12    | 448.24    |           | 448.50    | 0.003040   | 2.24     | 8.94      | 4.94      | 0.53         |
| M     | 744.090   | 30      | 30.00   | 446.12    | 448.73    |           | 448.94    | 0.004676   | 2.04     | 14.72     | 18.17     | 0.72         |
| M     | 744.090   | 40      | 40.00   | 446.12    | 449.04    |           | 449.22    | 0.003357   | 1.89     | 21.13     | 23.35     | 0.64         |
| M     | 744.090   | 50      | 50.00   | 446.12    | 449.33    |           | 449.48    | 0.002421   | 1.67     | 29.86     | 32.03     | 0.55         |
| M     | 744.090   | 60      | 60.00   | 446.12    | 449.58    | 449.01    | 449.71    | 0.001644   | 1.58     | 37.90     | 32.60     | 0.47         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 726.750   | 10      | 10.00   | 445.89    | 447.15    | 447.15    | 447.59    | 0.012360   | 2.94     | 3.40      | 3.85      | 1.00         |
| M     | 726.750   | 20      | 20.00   | 445.89    | 447.68    | 447.68    | 448.36    | 0.012518   | 3.66     | 5.46      | 3.99      | 1.00         |
| M     | 726.750   | 30      | 30.00   | 445.89    | 448.42    | 448.37    | 448.82    | 0.008581   | 2.80     | 10.73     | 11.47     | 0.92         |
| M     | 726.750   | 40      | 40.00   | 445.89    | 448.56    | 448.56    | 449.10    | 0.009847   | 3.25     | 12.32     | 11.47     | 1.00         |
| M     | 726.750   | 50      | 50.00   | 445.89    | 448.73    | 448.73    | 449.35    | 0.009554   | 3.49     | 14.33     | 11.47     | 1.00         |
| M     | 726.750   | 60      | 60.00   | 445.89    | 448.90    | 448.90    | 449.60    | 0.009410   | 3.71     | 16.18     | 11.47     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 705.660   | 10      | 10.00   | 445.60    | 446.83    | 446.81    | 447.24    | 0.011295   | 2.83     | 3.53      | 4.13      | 0.98         |
| M     | 705.660   | 20      | 20.00   | 445.60    | 447.31    | 447.31    | 447.97    | 0.011850   | 3.59     | 5.58      | 4.32      | 1.01         |
| M     | 705.660   | 30      | 30.00   | 445.60    | 447.73    | 447.73    | 448.56    | 0.011859   | 4.04     | 7.43      | 4.49      | 1.00         |
| M     | 705.660   | 40      | 40.00   | 445.60    | 448.54    | 448.45    | 448.74    | 0.005531   | 1.99     | 20.14     | 31.57     | 0.79         |
| M     | 705.660   | 50      | 50.00   | 445.60    | 448.62    |           | 448.87    | 0.005824   | 2.20     | 22.71     | 31.57     | 0.83         |
| M     | 705.660   | 60      | 60.00   | 445.60    | 448.70    | 448.62    | 448.99    | 0.005922   | 2.38     | 25.25     | 31.57     | 0.85         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 701.530   | 10      | 10.00   | 445.55    | 446.86    |           | 447.17    | 0.007561   | 2.47     | 4.05      | 4.25      | 0.81         |
| M     | 701.530   | 20      | 20.00   | 445.55    | 447.35    |           | 447.88    | 0.008914   | 3.24     | 6.17      | 4.40      | 0.87         |
| M     | 701.530   | 30      | 30.00   | 445.55    | 447.63    | 447.63    | 448.46    | 0.011893   | 4.04     | 7.43      | 4.49      | 1.00         |
| M     | 701.530   | 40      | 40.00   | 445.55    | 448.42    | 448.42    | 448.70    | 0.009653   | 2.35     | 17.00     | 31.33     | 1.02         |
| M     | 701.530   | 50      | 50.00   | 445.55    | 448.52    | 448.52    | 448.83    | 0.008784   | 2.47     | 20.22     | 32.20     | 1.00         |
| M     | 701.530   | 60      | 60.00   | 445.55    | 448.60    | 448.60    | 448.96    | 0.008510   | 2.63     | 22.82     | 32.20     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 690.160   | 10      | 10.00   | 445.39    | 446.62    | 446.62    | 447.06    | 0.010487   | 2.91     | 3.43      | 4.04      | 1.01         |
| M     | 690.160   | 20      | 20.00   | 445.39    | 447.15    | 447.15    | 447.77    | 0.009974   | 3.48     | 5.74      | 4.71      | 1.01         |
| M     | 690.160   | 30      | 30.00   | 445.39    | 447.78    | 447.78    | 448.17    | 0.009098   | 2.78     | 10.79     | 14.14     | 1.02         |
| M     | 690.160   | 40      | 40.00   | 445.39    | 448.03    | 448.03    | 448.38    | 0.008550   | 2.60     | 15.38     | 22.59     | 1.01         |
| M     | 690.160   | 50      | 50.00   | 445.39    | 448.39    | 448.16    | 448.60    | 0.003678   | 2.04     | 24.47     | 27.76     | 0.69         |
| M     | 690.160   | 60      | 60.00   | 445.39    | 448.66    | 448.27    | 448.84    | 0.002244   | 1.88     | 31.87     | 27.76     | 0.56         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 670.530   | 10      | 10.00   | 445.13    | 446.38    | 446.38    | 446.79    | 0.010110   | 2.84     | 3.52      | 4.36      | 1.01         |
| M     | 670.530   | 20      | 20.00   | 445.13    | 446.88    | 446.88    | 447.46    | 0.009440   | 3.37     | 5.94      | 5.22      | 1.01         |
| M     | 670.530   | 30      | 30.00   | 445.13    | 447.35    | 447.35    | 447.88    | 0.008731   | 3.24     | 9.27      | 8.77      | 1.01         |
| M     | 670.530   | 40      | 40.00   | 445.13    | 447.63    | 447.63    | 448.19    | 0.008385   | 3.30     | 12.12     | 10.88     | 1.00         |
| M     | 670.530   | 50      | 50.00   | 445.13    | 447.81    | 447.81    | 448.46    | 0.008203   | 3.55     | 14.09     | 10.88     | 1.00         |
| M     | 670.530   | 60      | 60.00   | 445.13    | 447.98    | 447.98    | 448.71    | 0.008198   | 3.78     | 15.87     | 10.88     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 647.510   | 10      | 10.00   | 444.82    | 446.05    |           | 446.27    | 0.004400   | 2.07     | 4.83      | 5.45      | 0.70         |
| M     | 647.510   | 20      | 20.00   | 444.82    | 446.58    |           | 446.90    | 0.004356   | 2.52     | 7.94      | 6.40      | 0.72         |
| M     | 647.510   | 30      | 30.00   | 444.82    | 447.16    | 446.65    | 447.41    | 0.004834   | 2.20     | 13.63     | 16.57     | 0.77         |
| M     | 647.510   | 40      | 40.00   | 444.82    | 447.43    | 447.18    | 447.67    | 0.004401   | 2.17     | 18.43     | 21.62     | 0.75         |
| M     | 647.510   | 50      | 50.00   | 444.82    | 447.66    |           | 447.89    | 0.003177   | 2.14     | 23.41     | 21.62     | 0.66         |
| M     | 647.510   | 60      | 60.00   | 444.82    | 447.87    |           | 448.11    | 0.002559   | 2.14     | 28.05     | 21.62     | 0.60         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 624.280   | 10      | 10.00   | 444.50    | 445.73    | 445.73    | 446.11    | 0.009584   | 2.72     | 3.68      | 4.93      | 1.00         |
| M     | 624.280   | 20      | 20.00   | 444.50    | 446.20    | 446.20    | 446.74    | 0.008956   | 3.26     | 6.14      | 5.69      | 1.00         |
| M     | 624.280   | 30      | 30.00   | 444.50    | 446.55    | 446.55    | 447.22    | 0.008726   | 3.62     | 8.29      | 6.29      | 1.01         |
| M     | 624.280   | 40      | 40.00   | 444.50    | 447.00    | 447.00    | 447.51    | 0.008438   | 3.14     | 12.73     | 12.98     | 1.01         |
| M     | 624.280   | 50      | 50.00   | 444.50    | 447.15    | 447.15    | 447.74    | 0.008354   | 3.40     | 14.70     | 13.00     | 1.02         |
| M     | 624.280   | 60      | 60.00   | 444.50    | 447.30    | 447.30    | 447.97    | 0.008284   | 3.62     | 16.56     | 13.03     | 1.03         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 610.380   | 10      | 10.00   | 444.32    | 445.67    |           | 445.81    | 0.010179   | 1.66     | 6.03      | 12.23     | 0.75         |
| M     | 610.380   | 20      | 20.00   | 444.32    | 446.26    |           | 446.36    | 0.003196   | 1.42     | 14.08     | 14.87     | 0.47         |
| M     | 610.380   | 30      | 30.00   | 444.32    | 446.73    |           | 446.83    | 0.002064   | 1.39     | 21.54     | 16.53     | 0.39         |
| M     | 610.380   | 40      | 40.00   | 444.32    | 446.93    |           | 447.06    | 0.002353   | 1.61     | 24.81     | 16.55     | 0.42         |
| M     | 610.380   | 50      | 50.00   | 444.32    | 447.03    |           | 447.21    | 0.003010   | 1.89     | 26.45     | 16.56     | 0.48         |
| M     | 610.380   | 60      | 60.00   | 444.32    | 447.11    |           | 447.35    | 0.003677   | 2.15     | 27.89     | 16.57     | 0.53         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 600.610   | 10      | 10.00   | 444.18    | 445.63    |           | 445.73    | 0.005237   | 1.36     | 7.33      | 11.87     | 0.55         |
| M     | 600.610   | 20      | 20.00   | 444.18    | 446.25    |           | 446.33    | 0.002152   | 1.23     | 16.22     | 15.66     | 0.39         |
| M     | 600.610   | 30      | 30.00   | 444.18    | 446.73    |           | 446.81    | 0.001628   | 1.24     | 24.12     | 18.62     | 0.35         |
| M     | 600.610   | 40      | 40.00   | 444.18    | 446.93    |           | 447.03    | 0.001944   | 1.42     | 28.14     | 20.27     | 0.39         |
| M     | 600.610   | 50      | 50.00   | 444.18    | 447.03    |           | 447.17    | 0.002422   | 1.65     | 30.23     | 20.28     | 0.43         |
| M     | 600.610   | 60      | 60.00   | 444.18    | 447.12    |           | 447.30    | 0.002888   | 1.87     | 32.09     | 20.28     | 0.47         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 581.060   | 10      | 10.00   | 443.92    | 445.12    | 445.12    | 445.52    | 0.019297   | 2.81     | 3.56      | 4.45      | 1.00         |
| M     | 581.060   | 20      | 20.00   | 443.92    | 445.62    | 445.62    | 446.19    | 0.018273   | 3.35     | 5.96      | 5.23      | 1.00         |
| M     | 581.060   | 30      | 30.00   | 443.92    | 446.08    | 446.08    | 446.68    | 0.017217   | 3.43     | 8.74      | 7.34      | 1.00         |
| M     | 581.060   | 40      | 40.00   | 443.92    | 446.63    | 446.63    | 446.93    | 0.016630   | 2.43     | 16.49     | 27.67     | 1.00         |
| M     | 581.060   | 50      | 50.00   | 443.92    | 446.83    | 446.74    | 447.07    | 0.011319   | 2.19     | 22.80     | 33.74     | 0.85         |
| M     | 581.060   | 60      | 60.00   | 443.92    | 446.94    | 446.83    | 447.20    | 0.009920   | 2.26     | 26.53     | 33.74     | 0.81         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 564.770   | 10      | 10.00   | 443.76    | 444.80    | 444.77    | 445.14    | 0.014041   | 2.57     | 3.89      | 5.19      | 0.95         |
| M     | 564.770   | 20      | 20.00   | 443.76    | 445.31    | 445.21    | 445.76    | 0.012066   | 2.97     | 6.73      | 6.00      | 0.90         |
| M     | 564.770   | 30      | 30.00   | 443.76    | 445.92    |           | 446.31    | 0.008369   | 2.79     | 10.77     | 7.80      | 0.76         |
| M     | 564.770   | 40      | 40.00   | 443.76    | 446.15    | 445.92    | 446.62    | 0.015352   | 3.04     | 13.17     | 14.36     | 1.01         |
| M     | 564.770   | 50      | 50.00   | 443.76    | 446.32    | 446.32    | 446.83    | 0.014998   | 3.17     | 15.76     | 15.75     | 1.01         |
| M     | 564.770   | 60      | 60.00   | 443.76    | 446.64    | 446.64    | 446.99    | 0.015112   | 2.63     | 22.82     | 32.19     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 546.180   | 10      | 10.00   | 443.58    | 444.76    |           | 444.93    | 0.005794   | 1.85     | 5.42      | 6.08      | 0.62         |
| M     | 546.180   | 20      | 20.00   | 443.58    | 445.30    |           | 445.55    | 0.005637   | 2.23     | 8.96      | 6.99      | 0.63         |
| M     | 546.180   | 30      | 30.00   | 443.58    | 445.87    |           | 446.11    | 0.008237   | 2.17     | 13.80     | 16.00     | 0.75         |
| M     | 546.180   | 40      | 40.00   | 443.58    | 446.10    |           | 446.33    | 0.009502   | 2.10     | 19.01     | 26.72     | 0.80         |
| M     | 546.180   | 50      | 50.00   | 443.58    | 446.27    |           | 446.49    | 0.008193   | 2.10     | 23.80     | 30.07     | 0.75         |
| M     | 546.180   | 60      | 60.00   | 443.58    | 446.43    |           | 446.65    | 0.006498   | 2.10     | 28.58     | 30.07     | 0.69         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 533.700   | 10      | 10.00   | 443.46    | 444.63    |           | 444.84    | 0.007492   | 2.04     | 4.91      | 5.76      | 0.70         |
| M     | 533.700   | 20      | 20.00   | 443.46    | 445.16    |           | 445.47    | 0.007154   | 2.44     | 8.19      | 6.60      | 0.70         |
| M     | 533.700   | 30      | 30.00   | 443.46    | 445.81    |           | 446.00    | 0.007488   | 1.91     | 15.72     | 21.04     | 0.70         |
| M     | 533.700   | 40      | 40.00   | 443.46    | 446.03    |           | 446.23    | 0.005767   | 1.97     | 20.36     | 21.04     | 0.64         |
| M     | 533.700   | 50      | 50.00   | 443.46    | 446.17    |           | 446.41    | 0.005866   | 2.15     | 23.26     | 21.04     | 0.65         |
| M     | 533.700   | 60      | 60.00   | 443.46    | 446.30    |           | 446.57    | 0.006004   | 2.32     | 25.88     | 21.04     | 0.67         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 518.540   | 10      | 10.00   | 443.32    | 444.55    |           | 444.73    | 0.005969   | 1.87     | 5.35      | 6.10      | 0.64         |
| M     | 518.540   | 20      | 20.00   | 443.32    | 445.10    |           | 445.36    | 0.005592   | 2.23     | 8.96      | 6.99      | 0.63         |
| M     | 518.540   | 30      | 30.00   | 443.32    | 445.69    |           | 445.87    | 0.009277   | 1.90     | 15.78     | 25.22     | 0.77         |
| M     | 518.540   | 40      | 40.00   | 443.32    | 445.99    |           | 446.14    | 0.004577   | 1.70     | 23.52     | 25.62     | 0.57         |
| M     | 518.540   | 50      | 50.00   | 443.32    | 446.14    |           | 446.31    | 0.004372   | 1.83     | 27.38     | 25.62     | 0.56         |
| M     | 518.540   | 60      | 60.00   | 443.32    | 446.28    |           | 446.47    | 0.004287   | 1.95     | 30.84     | 25.62     | 0.57         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |



HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 516.280   | 10      | 10.00   | 443.30    | 444.58    |           | 444.71    | 0.003835   | 1.60     | 6.25      | 6.23      | 0.51         |
| M     | 516.280   | 20      | 20.00   | 443.30    | 445.12    |           | 445.33    | 0.004267   | 2.03     | 9.86      | 6.99      | 0.55         |
| M     | 516.280   | 30      | 30.00   | 443.30    | 445.68    |           | 445.85    | 0.004621   | 1.83     | 16.42     | 15.47     | 0.57         |
| M     | 516.280   | 40      | 40.00   | 443.30    | 445.92    |           | 446.12    | 0.004369   | 1.99     | 20.12     | 15.62     | 0.56         |
| M     | 516.280   | 50      | 50.00   | 443.30    | 446.02    |           | 446.29    | 0.005432   | 2.31     | 21.63     | 15.62     | 0.63         |
| M     | 516.280   | 60      | 60.00   | 443.30    | 446.08    |           | 446.44    | 0.006754   | 2.65     | 22.67     | 15.62     | 0.70         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 502.750   | 10      | 10.00   | 443.17    | 444.24    | 444.22    | 444.59    | 0.014750   | 2.63     | 3.80      | 5.11      | 0.97         |
| M     | 502.750   | 20      | 20.00   | 443.17    | 444.71    | 444.66    | 445.21    | 0.013373   | 3.12     | 6.41      | 5.75      | 0.94         |
| M     | 502.750   | 30      | 30.00   | 443.17    | 445.09    | 445.01    | 445.71    | 0.012876   | 3.48     | 8.63      | 5.91      | 0.92         |
| M     | 502.750   | 40      | 40.00   | 443.17    | 445.67    | 445.67    | 446.00    | 0.016459   | 2.55     | 15.67     | 24.03     | 1.01         |
| M     | 502.750   | 50      | 50.00   | 443.17    | 445.79    | 445.79    | 446.16    | 0.015264   | 2.72     | 18.39     | 24.03     | 0.99         |
| M     | 502.750   | 60      | 60.00   | 443.17    | 445.92    | 445.88    | 446.31    | 0.013054   | 2.78     | 21.58     | 24.03     | 0.94         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 482.000   | 10      | 10.00   | 442.97    | 444.10    |           | 444.32    | 0.008741   | 2.08     | 4.82      | 5.60      | 0.71         |
| M     | 482.000   | 20      | 20.00   | 442.97    | 444.59    |           | 444.94    | 0.009140   | 2.63     | 7.61      | 5.88      | 0.74         |
| M     | 482.000   | 30      | 30.00   | 442.97    | 444.96    | 444.67    | 445.43    | 0.009914   | 3.06     | 9.82      | 6.03      | 0.76         |
| M     | 482.000   | 40      | 40.00   | 442.97    | 445.54    |           | 445.67    | 0.004688   | 1.59     | 25.23     | 30.83     | 0.56         |
| M     | 482.000   | 50      | 50.00   | 442.97    | 445.78    |           | 445.90    | 0.003140   | 1.53     | 32.71     | 30.83     | 0.47         |
| M     | 482.000   | 60      | 60.00   | 442.97    | 446.01    |           | 446.13    | 0.002397   | 1.51     | 39.78     | 30.83     | 0.42         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 465.540   | 10      | 10.00   | 442.81    | 443.78    | 443.75    | 444.12    | 0.016218   | 2.58     | 3.87      | 5.25      | 0.96         |
| M     | 465.540   | 20      | 20.00   | 442.81    | 444.21    | 444.19    | 444.73    | 0.016264   | 3.19     | 6.26      | 5.81      | 0.98         |
| M     | 465.540   | 30      | 30.00   | 442.81    | 444.59    | 444.53    | 445.22    | 0.015093   | 3.53     | 8.49      | 5.98      | 0.95         |
| M     | 465.540   | 40      | 40.00   | 442.81    | 445.21    |           | 445.54    | 0.009360   | 2.56     | 15.60     | 14.27     | 0.78         |
| M     | 465.540   | 50      | 50.00   | 442.81    | 445.46    |           | 445.80    | 0.007698   | 2.61     | 19.12     | 14.27     | 0.72         |
| M     | 465.540   | 60      | 60.00   | 442.81    | 445.67    |           | 446.04    | 0.007022   | 2.71     | 22.14     | 14.27     | 0.69         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 450.690   | 10      | 10.00   | 442.66    | 443.68    |           | 443.91    | 0.009162   | 2.14     | 4.67      | 5.67      | 0.75         |
| M     | 450.690   | 20      | 20.00   | 442.66    | 444.09    |           | 444.50    | 0.010879   | 2.84     | 7.05      | 5.91      | 0.83         |
| M     | 450.690   | 30      | 30.00   | 442.66    | 444.48    |           | 445.00    | 0.010713   | 3.19     | 9.41      | 6.13      | 0.82         |
| M     | 450.690   | 40      | 40.00   | 442.66    | 444.99    |           | 445.40    | 0.009322   | 2.81     | 14.21     | 10.95     | 0.79         |
| M     | 450.690   | 50      | 50.00   | 442.66    | 445.19    |           | 445.66    | 0.009562   | 3.05     | 16.41     | 11.18     | 0.80         |
| M     | 450.690   | 60      | 60.00   | 442.66    | 445.31    | 445.16    | 445.89    | 0.010923   | 3.39     | 17.71     | 11.18     | 0.86         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 433.030   | 10      | 10.00   | 442.49    | 443.41    | 443.36    | 443.71    | 0.013388   | 2.42     | 4.14      | 5.78      | 0.91         |
| M     | 433.030   | 20      | 20.00   | 442.49    | 443.91    |           | 444.30    | 0.010880   | 2.78     | 7.19      | 6.55      | 0.85         |
| M     | 433.030   | 30      | 30.00   | 442.49    | 444.38    |           | 444.80    | 0.008478   | 2.86     | 10.49     | 7.30      | 0.76         |
| M     | 433.030   | 40      | 40.00   | 442.49    | 444.87    |           | 445.21    | 0.009711   | 2.57     | 15.55     | 15.33     | 0.82         |
| M     | 433.030   | 50      | 50.00   | 442.49    | 445.15    |           | 445.47    | 0.007088   | 2.51     | 19.93     | 15.69     | 0.71         |
| M     | 433.030   | 60      | 60.00   | 442.49    | 445.30    |           | 445.67    | 0.007165   | 2.69     | 22.31     | 15.69     | 0.72         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 419.070   | 10      | 10.00   | 442.36    | 443.36    |           | 443.54    | 0.007084   | 1.90     | 5.26      | 6.48      | 0.67         |
| M     | 419.070   | 20      | 20.00   | 442.36    | 443.89    |           | 444.15    | 0.006160   | 2.25     | 8.89      | 7.21      | 0.65         |
| M     | 419.070   | 30      | 30.00   | 442.36    | 444.38    |           | 444.67    | 0.005182   | 2.38     | 12.62     | 7.92      | 0.60         |
| M     | 419.070   | 40      | 40.00   | 442.36    | 444.80    |           | 445.07    | 0.007392   | 2.33     | 17.15     | 15.85     | 0.72         |
| M     | 419.070   | 50      | 50.00   | 442.36    | 445.12    |           | 445.37    | 0.005228   | 2.21     | 22.58     | 17.03     | 0.61         |
| M     | 419.070   | 60      | 60.00   | 442.36    | 445.28    |           | 445.56    | 0.005284   | 2.37     | 25.26     | 17.03     | 0.62         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 405.770   | 10      | 10.00   | 442.23    | 443.23    |           | 443.44    | 0.008231   | 2.03     | 4.93      | 6.09      | 0.72         |
| M     | 405.770   | 20      | 20.00   | 442.23    | 443.77    |           | 444.06    | 0.006950   | 2.36     | 8.48      | 6.93      | 0.68         |
| M     | 405.770   | 30      | 30.00   | 442.23    | 444.31    |           | 444.58    | 0.007491   | 2.32     | 12.95     | 11.87     | 0.71         |
| M     | 405.770   | 40      | 40.00   | 442.23    | 444.75    |           | 444.98    | 0.004772   | 2.11     | 18.93     | 13.74     | 0.57         |
| M     | 405.770   | 50      | 50.00   | 442.23    | 445.07    |           | 445.30    | 0.003991   | 2.15     | 23.30     | 13.99     | 0.53         |
| M     | 405.770   | 60      | 60.00   | 442.23    | 445.21    |           | 445.50    | 0.004454   | 2.37     | 25.31     | 13.99     | 0.56         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 391.400   | 10      | 10.00   | 442.09    | 443.08    |           | 443.31    | 0.009303   | 2.14     | 4.68      | 5.57      | 0.75         |
| M     | 391.400   | 20      | 20.00   | 442.09    | 443.56    |           | 443.93    | 0.009709   | 2.71     | 7.38      | 5.71      | 0.76         |
| M     | 391.400   | 30      | 30.00   | 442.09    | 443.93    |           | 444.44    | 0.010504   | 3.15     | 9.54      | 5.82      | 0.78         |
| M     | 391.400   | 40      | 40.00   | 442.09    | 444.71    | 443.98    | 444.88    | 0.007154   | 1.84     | 21.75     | 28.73     | 0.67         |
| M     | 391.400   | 50      | 50.00   | 442.09    | 445.10    | 444.63    | 445.22    | 0.002838   | 1.51     | 33.13     | 28.73     | 0.45         |
| M     | 391.400   | 60      | 60.00   | 442.09    | 445.28    |           | 445.40    | 0.002603   | 1.58     | 38.09     | 28.73     | 0.44         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 379.630   | 10      | 10.00   | 441.98    | 442.89    | 442.81    | 443.18    | 0.012317   | 2.37     | 4.22      | 5.37      | 0.85         |
| M     | 379.630   | 20      | 20.00   | 441.98    | 443.30    | 443.24    | 443.78    | 0.013929   | 3.08     | 6.49      | 5.77      | 0.93         |
| M     | 379.630   | 30      | 30.00   | 441.98    | 443.61    | 443.59    | 444.27    | 0.015369   | 3.60     | 8.33      | 6.06      | 0.98         |
| M     | 379.630   | 40      | 40.00   | 441.98    | 443.90    | 443.90    | 444.70    | 0.015860   | 3.96     | 10.11     | 6.34      | 1.00         |
| M     | 379.630   | 50      | 50.00   | 441.98    | 444.17    | 444.17    | 445.07    | 0.015779   | 4.21     | 11.89     | 6.60      | 1.00         |
| M     | 379.630   | 60      | 60.00   | 441.98    | 445.18    | 444.88    | 445.35    | 0.005159   | 1.88     | 31.96     | 31.44     | 0.59         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 365.630   | 10      | 10.00   | 441.84    | 442.76    |           | 443.01    | 0.010596   | 2.23     | 4.48      | 5.72      | 0.81         |
| M     | 365.630   | 20      | 20.00   | 441.84    | 443.14    | 443.06    | 443.59    | 0.012486   | 2.95     | 6.79      | 6.12      | 0.89         |
| M     | 365.630   | 30      | 30.00   | 441.84    | 443.43    | 443.39    | 444.05    | 0.014370   | 3.50     | 8.57      | 6.41      | 0.97         |
| M     | 365.630   | 40      | 40.00   | 441.84    | 443.69    | 443.69    | 444.46    | 0.015393   | 3.90     | 10.25     | 6.68      | 1.01         |
| M     | 365.630   | 50      | 50.00   | 441.84    | 444.00    | 443.95    | 444.83    | 0.014114   | 4.03     | 12.40     | 7.00      | 0.97         |
| M     | 365.630   | 60      | 60.00   | 441.84    | 444.20    | 444.20    | 445.16    | 0.015098   | 4.35     | 13.80     | 7.20      | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 353.840   | 10      | 10.00   | 441.73    | 442.60    |           | 442.88    | 0.011785   | 2.32     | 4.31      | 6.01      | 0.87         |
| M     | 353.840   | 20      | 20.00   | 441.73    | 443.02    | 442.94    | 443.44    | 0.011590   | 2.85     | 7.01      | 6.83      | 0.90         |
| M     | 353.840   | 30      | 30.00   | 441.73    | 443.34    | 443.26    | 443.87    | 0.011761   | 3.23     | 9.30      | 7.46      | 0.92         |
| M     | 353.840   | 40      | 40.00   | 441.73    | 443.62    | 443.55    | 444.24    | 0.012040   | 3.49     | 11.46     | 8.27      | 0.95         |
| M     | 353.840   | 50      | 50.00   | 441.73    | 444.15    | 443.81    | 444.55    | 0.011505   | 2.79     | 17.89     | 18.54     | 0.91         |
| M     | 353.840   | 60      | 60.00   | 441.73    | 444.21    | 444.21    | 444.72    | 0.013984   | 3.18     | 18.89     | 18.65     | 1.01         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 322.720   | 10      | 10.00   | 441.33    | 442.29    |           | 442.53    | 0.009683   | 2.17     | 4.60      | 6.12      | 0.80         |
| M     | 322.720   | 20      | 20.00   | 441.33    | 442.70    | 442.59    | 443.08    | 0.010565   | 2.75     | 7.27      | 7.06      | 0.87         |
| M     | 322.720   | 30      | 30.00   | 441.33    | 443.01    | 442.91    | 443.51    | 0.011096   | 3.14     | 9.55      | 7.77      | 0.90         |
| M     | 322.720   | 40      | 40.00   | 441.33    | 443.27    | 443.18    | 443.87    | 0.011419   | 3.43     | 11.66     | 8.41      | 0.93         |
| M     | 322.720   | 50      | 50.00   | 441.33    | 443.57    | 443.51    | 444.16    | 0.012012   | 3.41     | 14.65     | 11.40     | 0.96         |
| M     | 322.720   | 60      | 60.00   | 441.33    | 444.08    |           | 444.31    | 0.007753   | 2.11     | 28.42     | 34.81     | 0.75         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 289.040   | 10      | 10.00   | 441.08    | 441.97    |           | 442.20    | 0.009910   | 2.14     | 4.68      | 6.63      | 0.81         |
| M     | 289.040   | 20      | 20.00   | 441.08    | 442.39    |           | 442.73    | 0.009455   | 2.58     | 7.74      | 7.80      | 0.83         |
| M     | 289.040   | 30      | 30.00   | 441.08    | 442.75    |           | 443.15    | 0.008730   | 2.81     | 10.68     | 8.83      | 0.82         |
| M     | 289.040   | 40      | 40.00   | 441.08    | 443.05    |           | 443.50    | 0.008109   | 2.96     | 13.52     | 9.72      | 0.80         |
| M     | 289.040   | 50      | 50.00   | 441.08    | 443.33    | 443.05    | 443.81    | 0.007666   | 3.06     | 16.36     | 10.69     | 0.79         |
| M     | 289.040   | 60      | 60.00   | 441.08    | 443.82    |           | 444.08    | 0.006040   | 2.27     | 26.47     | 23.60     | 0.68         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 256.260   | 10      | 10.00   | 440.70    | 441.68    |           | 441.89    | 0.008717   | 2.05     | 4.89      | 6.75      | 0.77         |
| M     | 256.260   | 20      | 20.00   | 440.70    | 442.16    |           | 442.45    | 0.007303   | 2.36     | 8.47      | 8.06      | 0.74         |
| M     | 256.260   | 30      | 30.00   | 440.70    | 442.55    |           | 442.88    | 0.006548   | 2.53     | 11.88     | 9.33      | 0.71         |
| M     | 256.260   | 40      | 40.00   | 440.70    | 442.89    |           | 443.25    | 0.005949   | 2.63     | 15.24     | 10.44     | 0.69         |
| M     | 256.260   | 50      | 50.00   | 440.70    | 443.19    |           | 443.57    | 0.005527   | 2.70     | 18.53     | 11.48     | 0.68         |
| M     | 256.260   | 60      | 60.00   | 440.70    | 443.62    |           | 443.88    | 0.005902   | 2.26     | 26.56     | 23.65     | 0.68         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 222.720   | 10      | 10.00   | 440.40    | 441.36    |           | 441.59    | 0.009121   | 2.15     | 4.66      | 5.97      | 0.77         |
| M     | 222.720   | 20      | 20.00   | 440.40    | 441.79    |           | 442.16    | 0.009547   | 2.68     | 7.46      | 6.85      | 0.82         |
| M     | 222.720   | 30      | 30.00   | 440.40    | 442.13    |           | 442.60    | 0.009823   | 3.04     | 9.87      | 7.53      | 0.85         |
| M     | 222.720   | 40      | 40.00   | 440.40    | 442.39    | 442.25    | 442.96    | 0.010364   | 3.35     | 11.94     | 8.10      | 0.88         |
| M     | 222.720   | 50      | 50.00   | 440.40    | 442.64    | 442.51    | 443.29    | 0.010615   | 3.57     | 13.99     | 8.71      | 0.90         |
| M     | 222.720   | 60      | 60.00   | 440.40    | 442.99    |           | 443.61    | 0.008831   | 3.49     | 17.18     | 9.60      | 0.83         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 211.410   | 10      | 10.00   | 440.05    | 441.23    |           | 441.48    | 0.010823   | 2.19     | 4.56      | 6.48      | 0.83         |
| M     | 211.410   | 20      | 20.00   | 440.05    | 441.72    |           | 442.05    | 0.008596   | 2.54     | 7.88      | 7.19      | 0.77         |
| M     | 211.410   | 30      | 30.00   | 440.05    | 442.06    |           | 442.48    | 0.008697   | 2.89     | 10.39     | 7.58      | 0.79         |
| M     | 211.410   | 40      | 40.00   | 440.05    | 442.30    |           | 442.84    | 0.009579   | 3.26     | 12.29     | 7.80      | 0.83         |
| M     | 211.410   | 50      | 50.00   | 440.05    | 442.42    | 442.34    | 443.15    | 0.012222   | 3.79     | 13.20     | 7.90      | 0.94         |
| M     | 211.410   | 60      | 60.00   | 440.05    | 442.55    | 442.55    | 443.45    | 0.014177   | 4.21     | 14.26     | 8.01      | 1.01         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 199.420   | 10      | 10.00   | 440.17    | 441.13    |           | 441.35    | 0.008988   | 2.05     | 4.88      | 6.56      | 0.76         |
| M     | 199.420   | 20      | 20.00   | 440.17    | 441.67    | 441.38    | 441.92    | 0.008640   | 2.23     | 8.99      | 10.16     | 0.76         |
| M     | 199.420   | 30      | 30.00   | 440.17    | 442.10    | 441.76    | 442.33    | 0.006259   | 2.13     | 14.08     | 13.09     | 0.66         |
| M     | 199.420   | 40      | 40.00   | 440.17    | 442.43    |           | 442.67    | 0.005314   | 2.13     | 18.78     | 15.24     | 0.61         |
| M     | 199.420   | 50      | 50.00   | 440.17    | 442.66    |           | 442.91    | 0.005813   | 2.20     | 22.71     | 18.89     | 0.64         |
| M     | 199.420   | 60      | 60.00   | 440.17    | 442.85    |           | 443.11    | 0.005464   | 2.27     | 26.42     | 19.71     | 0.63         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 176.630   | 10      | 10.00   | 439.98    | 440.73    | 440.73    | 441.06    | 0.016758   | 2.58     | 3.88      | 5.80      | 1.01         |
| M     | 176.630   | 20      | 20.00   | 439.98    | 441.13    | 441.13    | 441.63    | 0.015710   | 3.13     | 6.38      | 6.44      | 1.00         |
| M     | 176.630   | 30      | 30.00   | 439.98    | 441.47    | 441.47    | 442.08    | 0.015110   | 3.49     | 8.61      | 6.95      | 1.00         |
| M     | 176.630   | 40      | 40.00   | 439.98    | 441.96    | 441.96    | 442.45    | 0.015616   | 3.10     | 12.90     | 13.61     | 1.02         |
| M     | 176.630   | 50      | 50.00   | 439.98    | 442.12    | 442.12    | 442.68    | 0.014790   | 3.30     | 15.17     | 13.88     | 1.01         |
| M     | 176.630   | 60      | 60.00   | 439.98    | 442.27    | 442.27    | 442.89    | 0.014358   | 3.48     | 17.26     | 14.12     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 149.150   | 10      | 10.00   | 439.51    | 440.38    | 440.31    | 440.64    | 0.011801   | 2.24     | 4.47      | 6.61      | 0.87         |
| M     | 149.150   | 20      | 20.00   | 439.51    | 440.77    | 440.69    | 441.17    | 0.011642   | 2.79     | 7.17      | 7.30      | 0.90         |
| M     | 149.150   | 30      | 30.00   | 439.51    | 441.00    | 441.00    | 441.58    | 0.014200   | 3.39     | 8.86      | 7.70      | 1.01         |
| M     | 149.150   | 40      | 40.00   | 439.51    | 441.34    | 441.34    | 441.79    | 0.015194   | 2.96     | 13.49     | 15.59     | 1.02         |
| M     | 149.150   | 50      | 50.00   | 439.51    | 441.51    | 441.51    | 442.00    | 0.014485   | 3.08     | 16.25     | 17.00     | 1.00         |
| M     | 149.150   | 60      | 60.00   | 439.51    | 441.64    | 441.64    | 442.18    | 0.014162   | 3.27     | 18.36     | 17.09     | 1.01         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 129.390   | 10      | 10.00   | 439.25    | 440.04    | 440.04    | 440.36    | 0.015791   | 2.53     | 3.96      | 6.15      | 1.00         |
| M     | 129.390   | 20      | 20.00   | 439.25    | 440.43    | 440.43    | 440.90    | 0.014493   | 3.04     | 6.58      | 7.08      | 1.01         |
| M     | 129.390   | 30      | 30.00   | 439.25    | 440.83    | 440.83    | 441.22    | 0.015264   | 2.75     | 10.91     | 14.36     | 1.01         |
| M     | 129.390   | 40      | 40.00   | 439.25    | 441.00    | 441.00    | 441.45    | 0.014958   | 2.99     | 13.38     | 15.07     | 1.01         |
| M     | 129.390   | 50      | 50.00   | 439.25    | 441.18    | 441.18    | 441.66    | 0.014641   | 3.09     | 16.20     | 17.02     | 1.01         |
| M     | 129.390   | 60      | 60.00   | 439.25    | 441.30    | 441.30    | 441.85    | 0.014370   | 3.28     | 18.29     | 17.15     | 1.01         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 109.300   | 10      | 10.00   | 438.84    | 439.62    | 439.62    | 439.92    | 0.015925   | 2.45     | 4.08      | 6.74      | 1.00         |
| M     | 109.300   | 20      | 20.00   | 438.84    | 440.04    | 439.99    | 440.43    | 0.012526   | 2.79     | 7.18      | 8.00      | 0.94         |
| M     | 109.300   | 30      | 30.00   | 438.84    | 440.61    |           | 440.80    | 0.007180   | 1.96     | 15.30     | 19.42     | 0.71         |
| M     | 109.300   | 40      | 40.00   | 438.84    | 440.83    |           | 441.04    | 0.005875   | 2.04     | 19.60     | 19.92     | 0.66         |
| M     | 109.300   | 50      | 50.00   | 438.84    | 441.03    |           | 441.26    | 0.005051   | 2.11     | 23.68     | 20.17     | 0.62         |
| M     | 109.300   | 60      | 60.00   | 438.84    | 441.23    |           | 441.46    | 0.005041   | 2.13     | 28.14     | 23.61     | 0.62         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 89.990    | 10      | 10.00   | 438.26    | 439.41    | 439.31    | 439.65    | 0.010204   | 2.17     | 4.61      | 6.48      | 0.82         |
| M     | 89.990    | 20      | 20.00   | 438.26    | 439.90    | 439.70    | 440.22    | 0.008090   | 2.48     | 8.08      | 7.54      | 0.76         |
| M     | 89.990    | 30      | 30.00   | 438.26    | 440.48    | 440.01    | 440.67    | 0.006422   | 1.94     | 15.49     | 18.03     | 0.67         |
| M     | 89.990    | 40      | 40.00   | 438.26    | 440.72    | 440.40    | 440.92    | 0.005646   | 2.00     | 19.98     | 19.74     | 0.63         |
| M     | 89.990    | 50      | 50.00   | 438.26    | 440.95    |           | 441.16    | 0.004751   | 2.04     | 24.56     | 20.44     | 0.59         |
| M     | 89.990    | 60      | 60.00   | 438.26    | 441.14    |           | 441.37    | 0.004230   | 2.10     | 28.56     | 20.44     | 0.57         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 73.170    | 10      | 10.00   | 438.23    | 439.12    | 439.09    | 439.44    | 0.014250   | 2.50     | 4.01      | 5.73      | 0.95         |
| M     | 73.170    | 20      | 20.00   | 438.23    | 439.51    | 439.51    | 440.02    | 0.014999   | 3.15     | 6.34      | 6.33      | 1.01         |
| M     | 73.170    | 30      | 30.00   | 438.23    | 439.84    | 439.84    | 440.47    | 0.014585   | 3.52     | 8.52      | 6.84      | 1.01         |
| M     | 73.170    | 40      | 40.00   | 438.23    | 440.22    | 440.22    | 440.75    | 0.015066   | 3.20     | 12.50     | 12.13     | 1.01         |
| M     | 73.170    | 50      | 50.00   | 438.23    | 440.42    | 440.42    | 440.99    | 0.014825   | 3.36     | 14.89     | 13.01     | 1.00         |
| M     | 73.170    | 60      | 60.00   | 438.23    | 440.59    | 440.59    | 441.21    | 0.014584   | 3.48     | 17.23     | 13.91     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 57.590    | 10      | 10.00   | 438.14    | 438.95    | 438.89    | 439.22    | 0.012340   | 2.30     | 4.36      | 6.40      | 0.89         |
| M     | 57.590    | 20      | 20.00   | 438.14    | 439.31    | 439.28    | 439.75    | 0.013643   | 2.95     | 6.77      | 7.15      | 0.97         |
| M     | 57.590    | 30      | 30.00   | 438.14    | 439.69    | 439.66    | 440.17    | 0.013570   | 3.07     | 9.76      | 9.72      | 0.98         |
| M     | 57.590    | 40      | 40.00   | 438.14    | 440.11    |           | 440.47    | 0.010180   | 2.63     | 15.20     | 15.64     | 0.85         |
| M     | 57.590    | 50      | 50.00   | 438.14    | 440.23    | 440.16    | 440.67    | 0.011521   | 2.94     | 17.03     | 16.08     | 0.91         |
| M     | 57.590    | 60      | 60.00   | 438.14    | 440.32    | 440.29    | 440.86    | 0.013056   | 3.24     | 18.54     | 16.44     | 0.97         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |

HEC-RAS Plan: Plan 03 River: M Reach: M (Continued)

| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
|       |           |         | (m3/s)  | (m)       | (m)       | (m)       | (m)       | (m/m)      | (m/s)    | (m2)      | (m)       |              |
| M     | 34.780    | 10      | 10.00   | 437.61    | 438.57    | 438.57    | 438.89    | 0.016129   | 2.51     | 3.98      | 6.30      | 1.01         |
| M     | 34.780    | 20      | 20.00   | 437.61    | 438.97    | 438.97    | 439.43    | 0.014495   | 3.01     | 6.64      | 7.20      | 1.00         |
| M     | 34.780    | 30      | 30.00   | 437.61    | 439.27    | 439.27    | 439.84    | 0.013903   | 3.35     | 8.96      | 7.90      | 1.00         |
| M     | 34.780    | 40      | 40.00   | 437.61    | 439.67    | 439.67    | 440.18    | 0.013887   | 3.18     | 12.59     | 12.34     | 1.00         |
| M     | 34.780    | 50      | 50.00   | 437.61    | 439.95    | 439.95    | 440.37    | 0.014429   | 2.85     | 17.57     | 21.46     | 1.00         |
| M     | 34.780    | 60      | 60.00   | 437.61    | 440.06    | 440.06    | 440.53    | 0.013999   | 3.02     | 19.85     | 21.46     | 1.00         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 17.680    | 10      | 10.00   | 436.11    | 437.88    | 437.88    | 438.10    | 0.020289   | 2.09     | 4.79      | 10.68     | 1.00         |
| M     | 17.680    | 20      | 20.00   | 436.11    | 438.14    | 438.14    | 438.48    | 0.019212   | 2.58     | 7.75      | 11.87     | 1.02         |
| M     | 17.680    | 30      | 30.00   | 436.11    | 438.36    | 438.36    | 438.78    | 0.017837   | 2.86     | 10.48     | 12.87     | 1.01         |
| M     | 17.680    | 40      | 40.00   | 436.11    | 438.55    | 438.55    | 439.03    | 0.017100   | 3.08     | 12.99     | 13.72     | 1.01         |
| M     | 17.680    | 50      | 50.00   | 436.11    | 438.72    | 438.72    | 439.26    | 0.016508   | 3.25     | 15.38     | 14.49     | 1.01         |
| M     | 17.680    | 60      | 60.00   | 436.11    | 438.87    | 438.87    | 439.46    | 0.016143   | 3.40     | 17.64     | 15.18     | 1.01         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 12.130    | 10      | 10.00   | 435.77    | 436.35    | 436.35    | 436.59    | 0.016840   | 2.14     | 4.67      | 10.06     | 1.00         |
| M     | 12.130    | 20      | 20.00   | 435.77    | 436.63    | 436.63    | 436.98    | 0.015409   | 2.60     | 7.69      | 11.34     | 1.01         |
| M     | 12.130    | 30      | 30.00   | 435.77    | 436.95    | 436.95    | 437.29    | 0.015384   | 2.56     | 11.74     | 17.76     | 1.00         |
| M     | 12.130    | 40      | 40.00   | 435.77    | 437.10    | 437.10    | 437.49    | 0.014807   | 2.79     | 14.35     | 18.28     | 1.00         |
| M     | 12.130    | 50      | 50.00   | 435.77    | 437.23    | 437.23    | 437.68    | 0.014324   | 2.97     | 16.81     | 18.76     | 1.00         |
| M     | 12.130    | 60      | 60.00   | 435.77    | 437.35    | 437.35    | 437.85    | 0.014218   | 3.15     | 19.04     | 19.18     | 1.01         |
|       |           |         |         |           |           |           |           |            |          |           |           |              |
| M     | 5.950     | 10      | 10.00   | 435.68    | 436.27    | 436.27    | 436.44    | 0.018838   | 1.83     | 5.46      | 16.57     | 1.02         |
| M     | 5.950     | 20      | 20.00   | 435.68    | 436.47    | 436.47    | 436.73    | 0.015927   | 2.26     | 8.84      | 16.99     | 1.00         |
| M     | 5.950     | 30      | 30.00   | 435.68    | 436.63    | 436.63    | 436.97    | 0.015104   | 2.59     | 11.59     | 17.32     | 1.01         |
| M     | 5.950     | 40      | 40.00   | 435.68    | 436.77    | 436.77    | 437.18    | 0.014392   | 2.83     | 14.11     | 17.57     | 1.01         |
| M     | 5.950     | 50      | 50.00   | 435.68    | 436.91    | 436.91    | 437.38    | 0.013861   | 3.04     | 16.43     | 17.70     | 1.01         |
| M     | 5.950     | 60      | 60.00   | 435.68    | 437.03    | 437.03    | 437.56    | 0.013243   | 3.21     | 18.70     | 17.83     | 1.00         |