

| DATA FOR STANDARD SLC 700 x I 206 PRECAST GIRDER BRIDGES WITH CAST-IN-PLACE CONCRETE SUBSTRUCTURES |                                   |    |       |       |          |       |       |       |          |       |       |       |            |       |       |       |            |       |       |       |            |       |       |       |            |       |       |       |       |
|----------------------------------------------------------------------------------------------------|-----------------------------------|----|-------|-------|----------|-------|-------|-------|----------|-------|-------|-------|------------|-------|-------|-------|------------|-------|-------|-------|------------|-------|-------|-------|------------|-------|-------|-------|-------|
| CLEAR ROADWAY WIDTH (GIRDERS PER SPAN)                                                             |                                   |    |       | C     | 8720 (8) |       |       |       | 9940 (9) |       |       |       | 11160 (10) |       |       |       | 12380 (11) |       |       |       | 13600 (12) |       |       |       | 14820 (13) |       |       |       |       |
| OVERALL WIDTH                                                                                      |                                   |    |       | B     | 9870     |       |       |       | 11090    |       |       |       | 12310      |       |       |       | 13530      |       |       |       | 14750      |       |       |       | 15970      |       |       |       |       |
| SKEW                                                                                               |                                   |    |       |       | 0°       | 15°   | 30°   | 40°   | 0°       | 15°   | 30°   | 40°   | 0°         | 15°   | 30°   | 40°   | 0°         | 15°   | 30°   | 40°   | 0°         | 15°   | 30°   | 40°   | 0°         | 15°   | 30°   | 40°   |       |
| GENERAL                                                                                            | CROWN                             |    |       | K     | 99       | 99    | 99    | 99    | 111      | 111   | 111   | 111   | 123        | 123   | 123   | 123   | 135        | 135   | 135   | 135   | 148        | 148   | 148   | 148   | 160        | 160   | 160   | 160   |       |
|                                                                                                    | DIFFERENTIAL FOR ROADWAY GRADE OF | 1% | L     | 0     | 26       | 57    | 83    | 0     | 30       | 64    | 93    | 0     | 33         | 71    | 103   | 0     | 36         | 78    | 114   | 0     | 40         | 85    | 124   | 0     | 43         | 92    | 134   |       |       |
|                                                                                                    |                                   | 2% | L     | 0     | 53       | 114   | 166   | 0     | 59       | 128   | 186   | 0     | 66         | 142   | 207   | 0     | 73         | 156   | 227   | 0     | 79         | 170   | 248   | 0     | 86         | 184   | 268   |       |       |
|                                                                                                    |                                   | 3% | L     | 0     | 79       | 171   | 248   | 0     | 89       | 192   | 279   | 0     | 99         | 213   | 310   | 0     | 109        | 234   | 341   | 0     | 119        | 255   | 371   | 0     | 128        | 277   | 402   |       |       |
| PILES                                                                                              | ABUT WING PROJECTION (OBTUSE)     |    |       | M1    | 1080     | 828   | 658   | 418   | 1080     | 828   | 658   | 418   | 1080       | 828   | 658   | 418   | 1080       | 828   | 658   | 418   | 1080       | 828   | 658   | 418   | 1080       | 828   | 658   | 418   |       |
|                                                                                                    | ABUT WING PROJECTION (ACUTE)      |    |       | M2    | 1080     | 1387  | 1940  | 2454  | 1080     | 1387  | 1940  | 2454  | 1080       | 1387  | 1940  | 2454  | 1080       | 1387  | 1940  | 2454  | 1080       | 1387  | 1940  | 2454  | 1080       | 1387  | 1940  | 2454  |       |
|                                                                                                    | ABUT WING TURN LOCATION (OBTUSE)  |    |       | N1    | 860      | 1182  | 1692  | 2292  | 860      | 1182  | 1692  | 2292  | 860        | 1182  | 1692  | 2292  | 860        | 1182  | 1692  | 2292  | 860        | 1182  | 1692  | 2292  | 860        | 1182  | 1692  | 2292  |       |
|                                                                                                    | ABUT WING TURN LOCATION (ACUTE)   |    |       | N2    | 860      | 623   | 410   | 256   | 860      | 623   | 410   | 256   | 860        | 623   | 410   | 256   | 860        | 623   | 410   | 256   | 860        | 623   | 410   | 256   | 860        | 623   | 410   | 256   |       |
|                                                                                                    | ABUT WING TOE HEIGHT (OBTUSE)     |    |       | P1    | 540      | 414   | 329   | 209   | 540      | 414   | 329   | 209   | 540        | 414   | 329   | 209   | 540        | 414   | 329   | 209   | 540        | 414   | 329   | 209   | 540        | 414   | 329   | 209   |       |
|                                                                                                    | ABUT WING TOE HEIGHT (ACUTE)      |    |       | P2    | 540      | 694   | 970   | 1227  | 540      | 694   | 970   | 1227  | 540        | 694   | 970   | 1227  | 540        | 694   | 970   | 1227  | 540        | 694   | 970   | 1227  | 540        | 694   | 970   | 1227  |       |
|                                                                                                    | ABUT PILE SPACING                 |    |       | Q     | 2050     | 2130  | 2370  | 2680  | 1910     | 1980  | 2210  | 2500  | 1810       | 1870  | 2090  | 2360  | 1990       | 2060  | 2300  | 2600  | 1890       | 1960  | 2180  | 2470  | 2050       | 2120  | 2360  | 2670  |       |
|                                                                                                    | ABUT PILE END DISTANCE            |    |       | R     | 835      | 849   | 959   | 1082  | 770      | 791   | 878   | 989   | 725        | 762   | 837   | 955   | 795        | 824   | 912   | 1031  | 760        | 775   | 886   | 983   | 810        | 847   | 961   | 1079  |       |
|                                                                                                    | NUMBER OF PILE EACH ABUTMENT      |    |       |       | 7        | 7     | 7     | 7     | 8        | 8     | 8     | 8     | 9          | 9     | 9     | 9     | 9          | 9     | 9     | 9     | 10         | 10    | 10    | 10    | 10         | 10    | 10    | 10    |       |
|                                                                                                    | NUMBER OF PILES EACH PIER         |    |       |       | 5        | 5     | 5     | 5     | 6        | 6     | 6     | 6     | 6          | 6     | 6     | 6     | 7          | 7     | 7     | 7     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     |       |
| PIER PILE SPACING                                                                                  |                                   |    | S     | 2060  | 2130     | 2380  | 2690  | 1910  | 1980     | 2210  | 2490  | 2120  | 2190       | 2450  | 2770  | 1990  | 2060       | 2300  | 2600  | 1890  | 1960       | 2180  | 2470  | 2050  | 2120       | 2370  | 2680  |       |       |
| PIER PILE END DISTANCE                                                                             |                                   |    | T     | 815   | 849      | 938   | 1062  | 770   | 790      | 878   | 1014  | 855   | 897        | 982   | 1110  | 795   | 824        | 911   | 1031  | 760   | 775        | 886   | 982   | 810   | 846        | 925   | 1044  |       |       |
| DOWELS                                                                                             | NUMBER PER LINE                   |    |       |       | 8        | 8     | 8     | 8     | 9        | 9     | 9     | 9     | 10         | 10    | 10    | 10    | 11         | 11    | 11    | 11    | 12         | 12    | 12    | 12    | 13         | 13    | 13    | 13    |       |
|                                                                                                    | 32 mm Ø DOWEL SPACING             |    |       | U     | 1220     | 1263  | 1409  | 1593  | 1220     | 1263  | 1409  | 1593  | 1220       | 1263  | 1409  | 1593  | 1220       | 1263  | 1409  | 1593  | 1220       | 1263  | 1409  | 1593  | 1220       | 1263  | 1409  | 1593  |       |
|                                                                                                    | 32 mm Ø DOWEL SPACING             |    |       | Ua    | 1170     | 1211  | 1351  | 1527  | 1170     | 1211  | 1351  | 1527  | 1170       | 1211  | 1351  | 1527  | 1170       | 1211  | 1351  | 1527  | 1170       | 1211  | 1351  | 1527  | 1170       | 1211  | 1351  | 1527  |       |
|                                                                                                    |                                   |    |       |       |          |       |       |       |          |       |       |       |            |       |       |       |            |       |       |       |            |       |       |       |            |       |       |       |       |
| REINFORCEMENT ONE ABUTMENT                                                                         | NUMBER OF STIRRUPS                |    |       | A1501 | 48       | 50    | 55    | 62    | 53       | 55    | 61    | 70    | 58         | 60    | 66    | 75    | 63         | 65    | 72    | 81    | 68         | 71    | 78    | 89    | 73         | 76    | 83    | 94    |       |
|                                                                                                    | NUMBER OF U-BARS                  |    |       | A1502 | 40       | 42    | 47    | 53    | 45       | 47    | 52    | 59    | 50         | 52    | 58    | 65    | 55         | 57    | 63    | 72    | 60         | 62    | 69    | 78    | 65         | 67    | 75    | 84    |       |
|                                                                                                    | LENGTH OF TOPPING BARS            |    |       | A1503 | Y        | 4860  | 5034  | 5624  | 6367     | -     | -     | -     | -          | 6080  | 6297  | 7032  | 7960       | -     | -     | -     | -          | 7300  | 7560  | 8441  | 9553       | -     | -     | -     | -     |
|                                                                                                    |                                   |    |       | A1504 | Y        | -     | -     | -     | -        | 4860  | 5034  | 5624  | 6367       | -     | -     | -     | -          | 6080  | 6297  | 7032  | 7960       | -     | -     | -     | -          | 7300  | 7560  | 8441  | 9553  |
|                                                                                                    | NUMBER OF TOPPING BARS            |    |       | A1503 |          | 8     | 8     | 8     | 8        | -     | -     | -     | -          | 8     | 8     | 8     | 8          | -     | -     | -     | -          | 8     | 8     | 8     | 8          | -     | -     | -     | -     |
|                                                                                                    |                                   |    |       | A1504 |          | -     | -     | -     | -        | 8     | 8     | 8     | 8          | -     | -     | -     | -          | 8     | 8     | 8     | 8          | -     | -     | -     | -          | 8     | 8     | 8     | 8     |
|                                                                                                    | LENGTH OF MIDDLE BARS             |    |       | A1505 | W        | 11620 | 12033 | 13433 | 15199    | 12840 | 13296 | 14842 | 16792      | 14060 | 14560 | 16251 | 18385      | 15280 | 15823 | 17659 | 19977      | 16500 | 17086 | 19068 | 21570      | 17720 | 18349 | 20477 | 23162 |
|                                                                                                    | NUMBER OF MIDDLE BARS             |    |       |       |          | 8     | 8     | 8     | 8        | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8     |
|                                                                                                    | LENGTH OF MAIN BARS               |    |       | A2501 | W        | 11620 | 12033 | 13433 | 15199    | 12840 | 13296 | 14842 | 16792      | 14060 | 14560 | 16251 | 18385      | 15280 | 15823 | 17659 | 19977      | 16500 | 17086 | 19068 | 21570      | 17720 | 18349 | 20477 | 23162 |
|                                                                                                    | NUMBER OF MAIN BARS               |    |       |       |          | 8     | 8     | 8     | 8        | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8     |
|                                                                                                    | LENGTH OF WING UPPER BARS**       |    |       | W1501 |          | 18000 | 18000 | 18000 | 18000    | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000 |
|                                                                                                    | NUMBER OF WING UPPER BARS         |    |       |       |          | 6     | 6     | 6     | 7        | 6     | 6     | 6     | 7          | 6     | 6     | 6     | 7          | 6     | 6     | 6     | 7          | 6     | 6     | 6     | 7          | 6     | 6     | 6     | 7     |
|                                                                                                    | NUMBER OF WING U-BARS (OBTUSE)    |    |       | W1502 |          | 33    | 33    | 38    | 43       | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43    |
|                                                                                                    | NUMBER OF WING U-BARS (ACUTE)     |    |       |       |          | 33    | 33    | 38    | 43       | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43         | 33    | 33    | 38    | 43    |
|                                                                                                    | NUMBER OF WING STIRRUPS (OBTUSE)  |    |       | W1503 |          | 19    | 19    | 21    | 24       | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24    |
|                                                                                                    | NUMBER OF WING STIRRUPS (ACUTE)   |    |       |       |          | 19    | 19    | 21    | 24       | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24         | 19    | 19    | 21    | 24    |
|                                                                                                    | LENGTH OF WING LOWER BARS**       |    |       | W1504 |          | 18000 | 18000 | 18000 | 18000    | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000 |
|                                                                                                    | NUMBER OF WING LOWER BARS         |    |       |       |          | 2     | 2     | 3     | 3        | 2     | 2     | 3     | 3          | 2     | 2     | 3     | 3          | 2     | 2     | 3     | 3          | 2     | 2     | 3     | 3          | 2     | 2     | 3     | 3     |
|                                                                                                    | NUMBER OF WING CORNER BARS        |    |       | W1505 |          | 48    | 48    | 48    | 48       | 48    | 48    | 48    | 48         | 48    | 48    | 48    | 48         | 48    | 48    | 48    | 48         | 48    | 48    | 48    | 48         | 48    | 48    | 48    | 48    |
|                                                                                                    | NUMBER OF WING CORNER BARS        |    |       | W1506 |          | 8     | 8     | 8     | 8        | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8     |
| LENGTH OF WING MAIN BARS**                                                                         |                                   |    | W2501 |       | 18000    | 18000 | 18000 | 18000 | 18000    | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 | 18000      | 18000 | 18000 | 18000 |       |
| NUMBER OF WING MAIN BARS                                                                           |                                   |    |       |       | 3        | 3     | 3     | 3     | 3        | 3     | 3     | 3     | 3          | 3     | 3     | 3     | 3          | 3     | 3     | 3     | 3          | 3     | 3     | 3     | 3          | 3     | 3     | 3     |       |
| NUMBER OF WING CORNER BARS                                                                         |                                   |    | W2502 |       | 16       | 16    | 16    | 16    | 16       | 16    | 16    | 16    | 16         | 16    | 16    | 16    | 16         | 16    | 16    | 16    | 16         | 16    | 16    | 16    | 16         | 16    | 16    | 16    |       |
| REINFORCEMENT ONE PIER                                                                             | NUMBER OF PILE DOWELS             |    |       | E3001 |          | 40    | 40    | 40    | 40       | 48    | 48    | 48    | 48         | 48    | 48    | 48    | 48         | 56    | 56    | 56    | 56         | 64    | 64    | 64    | 64         | 64    | 64    | 64    |       |
|                                                                                                    | NUMBER OF BARS IN UPSTREAM PILE   |    |       | E3002 |          | 8     | 8     | 8     | 8        | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     | 8          | 8     | 8     | 8     |       |
|                                                                                                    | NUMBER OF STIRRUPS                |    |       | P1501 |          | 58    | 58    | 59    | 66       | 65    | 66    | 68    | 75         | 73    | 74    | 76    | 84         | 79    | 80    | 84    | 94         | 85    | 87    | 93    | 103        | 92    | 94    | 100   | 112   |
|                                                                                                    | NUMBER OF U-BARS                  |    |       | P1502 |          | 58    | 58    | 59    | 66       | 65    | 66    | 68    | 75         | 73    | 74    | 76    | 84         | 79    | 80    | 84    | 94         | 85    | 87    | 93    | 103        | 92    | 94    | 100   | 112   |
|                                                                                                    | NUMBER OF STIRRUPS                |    |       | P1503 |          | -     | 2     | 2     | 2        | -     | 2     | 2     | 2          | -     | 2     | 2     | 2          | -     | 2     | 2     | 2          | -     | 2     | 2     | 2          | -     | 2     | 2     | 2     |
|                                                                                                    | NUMBER OF STIRRUPS                |    |       | P1504 |          | -     | -     | 2     | 2        | -     | -     | 2     | 2          | -     | -     | 2     | 2          | -     | -     | 2     | 2          | -     | -     | 2     | 2          | -     | -     | 2     | 2     |
|                                                                                                    | NUMBER OF STIRRUPS                |    |       | P1505 |          | -     | -     | -     | 2        | -     | -     | -     | 2          | -     | -     | -     | 2          | -     | -     | -     | 2          | -     | -     | -     | 2          | -     | -     | -     | 2     |
|                                                                                                    | LENGTH OF TOPPING BARS            |    |       | P1506 | Y        | 4860  | 5034  | 5624  | 6367     | -     | -     | -     | -          | 6080  | 6297  | 7032  | 7960       | -     | -     | -     | -          | 7300  | 7560  | 8441  | 9553       | -     | -     | -     | -     |
|                                                                                                    |                                   |    |       | P1507 | Y        | -     | -     | -     | -        | 4860  | 5034  | 5624  | 6367       | -     | -     | -     | -          | 6080  | 6297  | 7032  | 7960       | -     | -     | -     | -          | 7300  | 7560  |       |       |