

**Life Cycle Cost Analysis**  
**50 Year Design Life**

**2011**

| Discount Rate                  |    |                                | 7%                              |               |                                    |               |                                      |               |                                     |               |
|--------------------------------|----|--------------------------------|---------------------------------|---------------|------------------------------------|---------------|--------------------------------------|---------------|-------------------------------------|---------------|
| Design Year                    |    | Description                    | Full Rehabilitation Alternative | Present Value | Partial Rehabilitation Alternative | Present Value | High Profile Replacement Alternative | Present Value | Low Profile Replacement Alternative | Present Value |
| Year 0                         |    | Construction                   | \$28,163,239                    | \$28,163,239  | \$21,515,144                       | \$21,515,144  | \$21,400,000                         | \$21,400,000  | \$37,307,876                        | \$37,307,876  |
| Year 1                         |    | M & O of Movable Span          | \$103,500                       | \$96,729      | \$103,500                          | \$96,729      | \$0                                  | \$0           | \$103,500                           | \$96,729      |
| Year 2                         |    | "                              | \$103,500                       | \$90,401      | \$103,500                          | \$90,401      | \$0                                  | \$0           | \$103,500                           | \$90,401      |
| Year 3                         |    | "                              | \$103,500                       | \$84,487      | \$103,500                          | \$84,487      | \$0                                  | \$0           | \$103,500                           | \$84,487      |
| Year 4                         |    | "                              | \$103,500                       | \$78,960      | \$103,500                          | \$78,960      | \$0                                  | \$0           | \$103,500                           | \$78,960      |
| Year 5                         |    | "                              | \$103,500                       | \$73,794      | \$103,500                          | \$73,794      | \$0                                  | \$0           | \$103,500                           | \$73,794      |
| Year 6                         |    | "                              | \$103,500                       | \$68,966      | \$103,500                          | \$68,966      | \$0                                  | \$0           | \$103,500                           | \$68,966      |
| Year 7                         |    | "                              | \$103,500                       | \$64,455      | \$103,500                          | \$64,455      | \$0                                  | \$0           | \$103,500                           | \$64,455      |
| Year 8                         |    | "                              | \$103,500                       | \$60,238      | \$103,500                          | \$60,238      | \$0                                  | \$0           | \$103,500                           | \$60,238      |
| Year 9                         |    | "                              | \$103,500                       | \$56,297      | \$103,500                          | \$56,297      | \$0                                  | \$0           | \$103,500                           | \$56,297      |
| Year 10                        |    | "                              | \$103,500                       | \$52,614      | \$103,500                          | \$52,614      | \$0                                  | \$0           | \$103,500                           | \$52,614      |
| Year 11                        |    | "                              | \$103,500                       | \$49,172      | \$103,500                          | \$49,172      | \$0                                  | \$0           | \$103,500                           | \$49,172      |
| Year 12                        |    | "                              | \$103,500                       | \$45,955      | \$103,500                          | \$45,955      | \$0                                  | \$0           | \$103,500                           | \$45,955      |
| Year 13                        |    | "                              | \$103,500                       | \$42,949      | \$103,500                          | \$42,949      | \$0                                  | \$0           | \$103,500                           | \$42,949      |
| Year 14                        |    | "                              | \$103,500                       | \$40,139      | \$103,500                          | \$40,139      | \$0                                  | \$0           | \$103,500                           | \$40,139      |
| Year 15                        |    | M & O of Movable Span          | \$103,500                       | \$37,513      | \$103,500                          | \$37,513      | \$0                                  | \$0           | \$103,500                           | \$37,513      |
| "                              | 15 | Deck Replacement               | \$2,601,900                     | \$943,048     | \$2,601,900                        | \$943,048     | \$0                                  | \$0           | \$0                                 | \$0           |
| Year 16                        |    | M & O of Movable Span          | \$103,500                       | \$35,059      | \$103,500                          | \$35,059      | \$0                                  | \$0           | \$103,500                           | \$35,059      |
| Year 17                        |    | "                              | \$103,500                       | \$32,765      | \$103,500                          | \$32,765      | \$0                                  | \$0           | \$103,500                           | \$32,765      |
| Year 18                        |    | "                              | \$103,500                       | \$30,622      | \$103,500                          | \$30,622      | \$0                                  | \$0           | \$103,500                           | \$30,622      |
| Year 19                        |    | "                              | \$103,500                       | \$28,619      | \$103,500                          | \$28,619      | \$0                                  | \$0           | \$103,500                           | \$28,619      |
| Year 20                        |    | "                              | \$103,500                       | \$26,746      | \$103,500                          | \$26,746      | \$0                                  | \$0           | \$103,500                           | \$26,746      |
| Year 21                        |    | "                              | \$103,500                       | \$24,997      | \$103,500                          | \$24,997      | \$0                                  | \$0           | \$103,500                           | \$24,997      |
| Year 22                        |    | "                              | \$103,500                       | \$23,361      | \$103,500                          | \$23,361      | \$0                                  | \$0           | \$103,500                           | \$23,361      |
| Year 23                        |    | "                              | \$103,500                       | \$21,833      | \$103,500                          | \$21,833      | \$0                                  | \$0           | \$103,500                           | \$21,833      |
| Year 24                        |    | "                              | \$103,500                       | \$20,405      | \$103,500                          | \$20,405      | \$0                                  | \$0           | \$103,500                           | \$20,405      |
| Year 25                        |    | "                              | \$103,500                       | \$19,070      | \$103,500                          | \$19,070      | \$0                                  | \$0           | \$103,500                           | \$19,070      |
| Year 26                        |    | "                              | \$103,500                       | \$17,822      | \$103,500                          | \$17,822      | \$0                                  | \$0           | \$103,500                           | \$17,822      |
| Year 27                        |    | "                              | \$103,500                       | \$16,656      | \$103,500                          | \$16,656      | \$0                                  | \$0           | \$103,500                           | \$16,656      |
| Year 28                        |    | "                              | \$103,500                       | \$15,567      | \$103,500                          | \$15,567      | \$0                                  | \$0           | \$103,500                           | \$15,567      |
| Year 29                        |    | "                              | \$103,500                       | \$14,548      | \$103,500                          | \$14,548      | \$0                                  | \$0           | \$103,500                           | \$14,548      |
| Year 30                        |    | M & O of Movable Span          | \$103,500                       | \$13,596      | \$103,500                          | \$13,596      | \$0                                  | \$0           | \$103,500                           | \$13,596      |
| "                              | 30 | Wearing Surface Rehabilitation | \$0                             | \$0           | \$0                                | \$0           | \$826,500                            | \$108,575     | \$732,555                           | \$96,234      |
| Year 31                        |    | M & O of Movable Span          | \$103,500                       | \$12,707      | \$103,500                          | \$12,707      | \$0                                  | \$0           | \$103,500                           | \$12,707      |
| Year 32                        |    | "                              | \$103,500                       | \$11,876      | \$103,500                          | \$11,876      | \$0                                  | \$0           | \$103,500                           | \$11,876      |
| Year 33                        |    | "                              | \$103,500                       | \$11,099      | \$103,500                          | \$11,099      | \$0                                  | \$0           | \$103,500                           | \$11,099      |
| Year 34                        |    | "                              | \$103,500                       | \$10,373      | \$103,500                          | \$10,373      | \$0                                  | \$0           | \$103,500                           | \$10,373      |
| Year 35                        |    | "                              | \$103,500                       | \$9,694       | \$103,500                          | \$9,694       | \$0                                  | \$0           | \$103,500                           | \$9,694       |
| Year 36                        |    | "                              | \$103,500                       | \$9,060       | \$103,500                          | \$9,060       | \$0                                  | \$0           | \$103,500                           | \$9,060       |
| Year 37                        |    | "                              | \$103,500                       | \$8,467       | \$103,500                          | \$8,467       | \$0                                  | \$0           | \$103,500                           | \$8,467       |
| Year 38                        |    | "                              | \$103,500                       | \$7,913       | \$103,500                          | \$7,913       | \$0                                  | \$0           | \$103,500                           | \$7,913       |
| Year 39                        |    | "                              | \$103,500                       | \$7,396       | \$103,500                          | \$7,396       | \$0                                  | \$0           | \$103,500                           | \$7,396       |
| Year 40                        |    | "                              | \$103,500                       | \$6,912       | \$103,500                          | \$6,912       | \$0                                  | \$0           | \$103,500                           | \$6,912       |
| Year 41                        |    | "                              | \$103,500                       | \$6,460       | \$103,500                          | \$6,460       | \$0                                  | \$0           | \$103,500                           | \$6,460       |
| Year 42                        |    | "                              | \$103,500                       | \$6,037       | \$103,500                          | \$6,037       | \$0                                  | \$0           | \$103,500                           | \$6,037       |
| Year 43                        |    | "                              | \$103,500                       | \$5,642       | \$103,500                          | \$5,642       | \$0                                  | \$0           | \$103,500                           | \$5,642       |
| Year 44                        |    | "                              | \$103,500                       | \$5,273       | \$103,500                          | \$5,273       | \$0                                  | \$0           | \$103,500                           | \$5,273       |
| Year 45                        |    | M & O of Movable Span          | \$103,500                       | \$4,928       | \$103,500                          | \$4,928       | \$0                                  | \$0           | \$103,500                           | \$4,928       |
| "                              | 45 | Wearing Surface Rehabilitation | \$390,285                       | \$18,583      | \$390,285                          | \$18,583      | \$0                                  | \$0           | \$0                                 | \$0           |
| Year 46                        |    | M & O of Movable Span          | \$103,500                       | \$4,606       | \$103,500                          | \$4,606       | \$0                                  | \$0           | \$103,500                           | \$4,606       |
| Year 47                        |    | "                              | \$103,500                       | \$4,304       | \$103,500                          | \$4,304       | \$0                                  | \$0           | \$103,500                           | \$4,304       |
| Year 48                        |    | "                              | \$103,500                       | \$4,023       | \$103,500                          | \$4,023       | \$0                                  | \$0           | \$103,500                           | \$4,023       |
| Year 49                        |    | "                              | \$103,500                       | \$3,760       | \$103,500                          | \$3,760       | \$0                                  | \$0           | \$103,500                           | \$3,760       |
| Year 50                        |    | "                              | \$103,500                       | \$3,514       | \$103,500                          | \$3,514       | \$1                                  | \$0           | \$103,500                           | \$3,514       |
|                                |    |                                |                                 |               |                                    |               |                                      |               |                                     |               |
| Net Present Value              |    |                                |                                 | \$30,514,459  |                                    | \$23,905,152  |                                      | \$21,508,575  |                                     | \$38,832,487  |
| % Above Least Cost Alternative |    |                                |                                 | 42%           |                                    | 11%           |                                      | -             |                                     | 81%           |