

Life Cycle Cost Analysis
50 Year Design Life

2011

| Discount Rate | | 3% | | | | | | | | |
|--------------------------------|--------------------------------|---------------------------------|---------------|------------------------------------|---------------|--------------------------------------|---------------|-------------------------------------|---------------|--|
| 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 | \$23,278,223 | \$23,278,223 | \$17,783,264 | \$17,783,264 | \$21,400,000 | \$21,400,000 | \$30,836,690 | \$30,836,690 | |
| Year 1 | M & O of Movable Span | \$103,500 | \$100,485 | \$103,500 | \$100,485 | \$0 | \$0 | \$103,500 | \$100,485 | |
| Year 2 | " | \$103,500 | \$97,559 | \$103,500 | \$97,559 | \$0 | \$0 | \$103,500 | \$97,559 | |
| Year 3 | " | \$103,500 | \$94,717 | \$103,500 | \$94,717 | \$0 | \$0 | \$103,500 | \$94,717 | |
| Year 4 | " | \$103,500 | \$91,958 | \$103,500 | \$91,958 | \$0 | \$0 | \$103,500 | \$91,958 | |
| Year 5 | " | \$103,500 | \$89,280 | \$103,500 | \$89,280 | \$0 | \$0 | \$103,500 | \$89,280 | |
| Year 6 | " | \$103,500 | \$86,680 | \$103,500 | \$86,680 | \$0 | \$0 | \$103,500 | \$86,680 | |
| Year 7 | " | \$103,500 | \$84,155 | \$103,500 | \$84,155 | \$0 | \$0 | \$103,500 | \$84,155 | |
| Year 8 | " | \$103,500 | \$81,704 | \$103,500 | \$81,704 | \$0 | \$0 | \$103,500 | \$81,704 | |
| Year 9 | " | \$103,500 | \$79,324 | \$103,500 | \$79,324 | \$0 | \$0 | \$103,500 | \$79,324 | |
| Year 10 | " | \$103,500 | \$77,014 | \$103,500 | \$77,014 | \$0 | \$0 | \$103,500 | \$77,014 | |
| Year 11 | " | \$103,500 | \$74,771 | \$103,500 | \$74,771 | \$0 | \$0 | \$103,500 | \$74,771 | |
| Year 12 | " | \$103,500 | \$72,593 | \$103,500 | \$72,593 | \$0 | \$0 | \$103,500 | \$72,593 | |
| Year 13 | " | \$103,500 | \$70,478 | \$103,500 | \$70,478 | \$0 | \$0 | \$103,500 | \$70,478 | |
| Year 14 | " | \$103,500 | \$68,426 | \$103,500 | \$68,426 | \$0 | \$0 | \$103,500 | \$68,426 | |
| Year 15 | M & O of Movable Span | \$103,500 | \$66,433 | \$103,500 | \$66,433 | \$0 | \$0 | \$103,500 | \$66,433 | |
| Year 15 | Deck Replacement | \$2,601,900 | \$1,670,061 | \$2,601,900 | \$1,670,061 | \$0 | \$0 | \$0 | \$0 | |
| Year 16 | M & O of Movable Span | \$103,500 | \$64,498 | \$103,500 | \$64,498 | \$0 | \$0 | \$103,500 | \$64,498 | |
| Year 17 | " | \$103,500 | \$62,619 | \$103,500 | \$62,619 | \$0 | \$0 | \$103,500 | \$62,619 | |
| Year 18 | " | \$103,500 | \$60,795 | \$103,500 | \$60,795 | \$0 | \$0 | \$103,500 | \$60,795 | |
| Year 19 | " | \$103,500 | \$59,025 | \$103,500 | \$59,025 | \$0 | \$0 | \$103,500 | \$59,025 | |
| Year 20 | " | \$103,500 | \$57,305 | \$103,500 | \$57,305 | \$0 | \$0 | \$103,500 | \$57,305 | |
| Year 21 | " | \$103,500 | \$55,636 | \$103,500 | \$55,636 | \$0 | \$0 | \$103,500 | \$55,636 | |
| Year 22 | " | \$103,500 | \$54,016 | \$103,500 | \$54,016 | \$0 | \$0 | \$103,500 | \$54,016 | |
| Year 23 | " | \$103,500 | \$52,443 | \$103,500 | \$52,443 | \$0 | \$0 | \$103,500 | \$52,443 | |
| Year 24 | " | \$103,500 | \$50,915 | \$103,500 | \$50,915 | \$0 | \$0 | \$103,500 | \$50,915 | |
| Year 25 | " | \$103,500 | \$49,432 | \$103,500 | \$49,432 | \$0 | \$0 | \$103,500 | \$49,432 | |
| Year 26 | " | \$103,500 | \$47,992 | \$103,500 | \$47,992 | \$0 | \$0 | \$103,500 | \$47,992 | |
| Year 27 | " | \$103,500 | \$46,595 | \$103,500 | \$46,595 | \$0 | \$0 | \$103,500 | \$46,595 | |
| Year 28 | " | \$103,500 | \$45,237 | \$103,500 | \$45,237 | \$0 | \$0 | \$103,500 | \$45,237 | |
| Year 29 | " | \$103,500 | \$43,920 | \$103,500 | \$43,920 | \$0 | \$0 | \$103,500 | \$43,920 | |
| Year 30 | M & O of Movable Span | \$103,500 | \$42,641 | \$103,500 | \$42,641 | \$0 | \$0 | \$103,500 | \$42,641 | |
| Year 30 | Wearing Surface Rehabilitation | \$0 | \$0 | \$0 | \$0 | \$826,500 | \$340,507 | \$732,555 | \$301,803 | |
| Year 31 | M & O of Movable Span | \$103,500 | \$41,399 | \$103,500 | \$41,399 | \$0 | \$0 | \$103,500 | \$41,399 | |
| Year 32 | " | \$103,500 | \$40,193 | \$103,500 | \$40,193 | \$0 | \$0 | \$103,500 | \$40,193 | |
| Year 33 | " | \$103,500 | \$39,022 | \$103,500 | \$39,022 | \$0 | \$0 | \$103,500 | \$39,022 | |
| Year 34 | " | \$103,500 | \$37,886 | \$103,500 | \$37,886 | \$0 | \$0 | \$103,500 | \$37,886 | |
| Year 35 | " | \$103,500 | \$36,782 | \$103,500 | \$36,782 | \$0 | \$0 | \$103,500 | \$36,782 | |
| Year 36 | " | \$103,500 | \$35,711 | \$103,500 | \$35,711 | \$0 | \$0 | \$103,500 | \$35,711 | |
| Year 37 | " | \$103,500 | \$34,671 | \$103,500 | \$34,671 | \$0 | \$0 | \$103,500 | \$34,671 | |
| Year 38 | " | \$103,500 | \$33,661 | \$103,500 | \$33,661 | \$0 | \$0 | \$103,500 | \$33,661 | |
| Year 39 | " | \$103,500 | \$32,680 | \$103,500 | \$32,680 | \$0 | \$0 | \$103,500 | \$32,680 | |
| Year 40 | " | \$103,500 | \$31,729 | \$103,500 | \$31,729 | \$0 | \$0 | \$103,500 | \$31,729 | |
| Year 41 | " | \$103,500 | \$30,804 | \$103,500 | \$30,804 | \$0 | \$0 | \$103,500 | \$30,804 | |
| Year 42 | " | \$103,500 | \$29,907 | \$103,500 | \$29,907 | \$0 | \$0 | \$103,500 | \$29,907 | |
| Year 43 | " | \$103,500 | \$29,036 | \$103,500 | \$29,036 | \$0 | \$0 | \$103,500 | \$29,036 | |
| Year 44 | " | \$103,500 | \$28,190 | \$103,500 | \$28,190 | \$0 | \$0 | \$103,500 | \$28,190 | |
| Year 45 | M & O of Movable Span | \$103,500 | \$27,369 | \$103,500 | \$27,369 | \$0 | \$0 | \$103,500 | \$27,369 | |
| Year 45 | Wearing Surface Rehabilitation | \$390,285 | \$103,206 | \$390,285 | \$103,206 | \$0 | \$0 | \$0 | \$0 | |
| Year 46 | M & O of Movable Span | \$103,500 | \$26,572 | \$103,500 | \$26,572 | \$0 | \$0 | \$103,500 | \$26,572 | |
| Year 47 | " | \$103,500 | \$25,798 | \$103,500 | \$25,798 | \$0 | \$0 | \$103,500 | \$25,798 | |
| Year 48 | " | \$103,500 | \$25,047 | \$103,500 | \$25,047 | \$0 | \$0 | \$103,500 | \$25,047 | |
| Year 49 | " | \$103,500 | \$24,317 | \$103,500 | \$24,317 | \$0 | \$0 | \$103,500 | \$24,317 | |
| Year 50 | " | \$103,500 | \$23,609 | \$103,500 | \$23,609 | \$1 | \$0 | \$103,500 | \$23,609 | |
| Net Present Value | | | \$27,485,971 | | \$22,219,562 | | \$21,740,507 | | \$33,801,524 | |
| % Above Least Cost Alternative | | | 26% | | 2% | | - | | 55% | |