

**BOATYARD RESURFACING**

Engineer's Estimate - 2/17/19

|    | Month  | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----|--|----|---|---|---|---|---|---|---|---|----|----|----|---|---|---|---|---|---|---|---|---|----|----|----|----|---|---|---|---|---|---|---|---|----|----|----|
|    | Year   | 20 |   |   |   |   |   |   |   |   |    |    | 21 |   |   |   |   |   |   |   |   |   |    |    |    | 22 |   |   |   |   |   |   |   |   |    |    |    |
| 1  | Design & Project Engineering                 |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 2  | Permitting                                   |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 3  | Erosion Contrl                               |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 4  | Mobilization                                 |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 5  | Project Layout/Mtls. Testing                 |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 6  | Site Preparation/Demolition                  |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 7  | Excavation & Grading                         |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 8  | Geotextile Fabric                            |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 9  | Aggregate Sub-Base                           |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 10 | Cleanouts & Catch Basins                     |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 12 | Utility Boxes                                |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 13 | Waterline Installation                       |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 14 | 3" Asphalt Overlay (215,000 sf) (150 lbs/cf) |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 15 | Conveyance Pipe                              |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 16 | Trench Drain                                 |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 17 | CIP Curb                                     |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 18 | Curb & Gutter                                |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 19 | Concrete Sidewalk                            |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 20 | Electric Conduit & Wiring                    |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 21 | Lighting w Foundation                        |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 22 | Landscaping & Plantings                      |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 23 | Striping                                     |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |
| 24 | Final Inspection                             |    |   |   |   |   |   |   |   |   |    |    |    |   |   |   |   |   |   |   |   |   |    |    |    |    |   |   |   |   |   |   |   |   |    |    |    |

As is the case for the two previous proposed surfacing projects, this six-month period is best for completing this final proposed Phase III paving project, for at least 3 reasons: **1.** The dry season begins in April at this location, providing amenable conditions for asphalt & concrete work; **2.** This six-month time period is outside the in-water work period (Oct. - end of February), and so the surfacing work need not conflict with proposed in-water (dock repair/replacement) and **3.** All resurfacing work should be done after that requiring heavy equipment (cranes, excavators) has been done at the Travel Lift Shipping/Receiving Dock, in order to prevent damage to

