

**MILWAUKEE COUNTY DEPARTMENT OF ADMINISTRATIVE SERVICES - FM
ARCHITECTURAL, ENGINEERING & ENVIRONMENTAL SERVICES SECTION
2020 COST ESTIMATE SHEET**

| | | |
|---|------------------------------|--------------------------------|
| FOR: DEPARTMENT OF PARKS, RECREATION & CULTURE | Date of Estimate 05/06/20 | Life Expectancy in Years 30 |
|---|------------------------------|--------------------------------|

South Shore Breakwater - Northerly Segment F

WPxxx

2020 Scope of Work:

Repair North Segment of South Shore Breakwater to pre storm condition. Assume 1190 feet (35% of the total 3400 feet) of breakwater needs new and salvaged stone placement. New stone sized to match existing (5 - 10 tons).

2021 - 2024 Projected Scope of Work:

Staff Plan:

| Description | Unit | No | Cost | Cost Estimate |
|-------------------------------------|------|------|---------------------|---------------------|
| Mobilization | LS | 1 | 50000.00 | \$ 50,000 |
| Assume 1/3 salvaged stone | Ton | 1600 | 175.00 | \$ 280,000 |
| Assume 2/3 new stone | Ton | 3300 | 225.00 | \$ 742,500 |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| Sub-Total Construction Costs | | | | \$ 1,072,500 |
| | | | | |
| INFLATION FACTOR | | | | |
| General Conditions | | | | \$ 25,000 |
| | | | | |
| Total Construction Costs | | | | \$ 1,097,500 |
| | | | | |
| Project Management - Design | | | | \$ 8,231 |
| Project Management - Construction | | | | \$ 8,231 |
| Owners Services | | | | \$ 10,975 |
| Planning & Design | | | | \$ 131,700 |
| Construction Management | | | | \$ 60,363 |
| | | | Total Cost = | \$ 1,317,000 |

Estimated by: Karl Stave, P.E.