

BROOKER ENGINEERING, P.L.L.C.
 76 Lafayette Avenue
 Suffern, New York 10901
 Tel. (845) 357-4411

Date: 3/22/2010
 Prepared By: Sapan Shah
 Project: NYK0038



PRELIMINARY CONSTRUCTION COST ESTIMATE
 Nyack Marina Bulkhead Improvements

| ITEM No. | DESCRIPTION | UNIT | QUANTITY | UNIT PRICE | TOTAL COST |
|----------|---|--------|----------|-----------------------------|-----------------------|
| 1 | Security Fencing | L.S. | 1 | 6,325.00 | 6,325.00 |
| 2 | Stone Foundation Materials | C.Y. | 46 | 31.00 | 1,426.00 |
| 3 | Marina Elements, Floating Docks, Piers, Appurtenances | L.S. | 1 | 25,000.00 | 25,000.00 |
| 4 | Demolition and Disposal | L.S. | 1 | 16,750.00 | 16,750.00 |
| 5 | Submerged Timbers | L.S. | 1 | 6,246.00 | 6,246.00 |
| 6 | Shrubs | L.S. | 1 | 3,295.00 | 3,295.00 |
| 7 | Sheet piling | Sq.Ft. | 11,500 | 49.50 | 569,250.00 |
| 8 | Basic Anchorages | EA. | 51 | 7,050.00 | 359,550.00 |
| 9 | Other Anchorages | EA. | 25 | 12,700.00 | 317,500.00 |
| 10 | Steel Channel Cap | L.F. | 575 | 115.00 | 66,125.00 |
| 11 | Removal and disposal of soldier piles | EA. | 10 | 500.00 | 5,000.00 |
| 12 | Backfill | TON | 575 | 86.00 | 49,450.00 |
| 13 | Concrete Encasements | C.Y. | 11 | 170.00 | 1,870.00 |
| 14 | Bituminous Pavement | S.Y. | 1,725 | 26.00 | 44,850.00 |
| 15 | Concrete Flatwork | S.Y. | 100 | 35.00 | 3,500.00 |
| 16 | Concrete Curbing | L.F. | 120 | 30.00 | 3,600.00 |
| 17 | Tree Replacement | EA. | 6 | 150.00 | 900.00 |
| 18 | Discontinuation of Electric Service and Resotration | L.S. | 1 | 10,000.00 | 10,000.00 |
| 19 | Removal and Replacement of Building Elements | L.S. | 1 | 20,000.00 | 20,000.00 |
| 20 | Cast Iron Bollard | L.F. | 575 | 85.00 | 48,875.00 |
| 21 | Chain Link Fence | L.F. | 575 | 47.00 | 27,025.00 |
| 22 | Water Distribution System | L.S. | 1 | 10,000.00 | 10,000.00 |
| | | | | Subtotal: | \$1,596,537 |
| | | | | 10% Contingency: | \$159,653.70 |
| | | | | 8% engineering & inspection | \$127,723.00 |
| | | | | Total: | \$1,883,913.70 |