



San Francisco / Oakland Bay Bridge Project

Caltrans Contract Number: Contract 04-0120F4
 Contract Change Order No.: 330 X-tra Work
 Estimate Date 7/25/2013
 CT Estimate Review Date 7/25/2013

CT Estimate of SDI Additional Costs for XS Steel Pipe for Strengthening duct in critical areas.

Number of XS Steel Pipe

| | 4XS | 3XS |
|--|------------|------------|
| Draped | 16 | |
| Bottom Longitudinal | | 12 |
| Top Longitudinal | 4 | |
| Total Number of XS Steel Pipe for Both Shear Keys | 20 | 12 |

| | | |
|--------------------------|------------|------------|
| Length each pipe (ft) | 1.968 | 1.968 |
| Weight per foot | 14.98 | 10.25 |
| Total Weight (lb) | 590 | 242 |

| | | |
|--|-----------|------------|
| Material unit cost (based on CCO 313 material) | \$ | 0.60 |
| Subtotal | \$ | 499.01 |
| Markup | | 10% |
| Total Material cost | \$ | 549 |

Labor-

| Assuming 1FM+2JM 1hr/ea | | | | | |
|-------------------------|---------|----|----|-------------------------|------------------|
| | Foreman | 32 | hr | \$ 90.38 | \$ 2,892.16 |
| | JM | 64 | hr | \$ 87.77 | \$ 5,617.28 |
| | | | | Subtotal | \$ 8,509.44 |
| | | | | Markup | 28% |
| | | | | Total Labor cost | \$ 10,892 |

CT Total Estimated SDI Cost for XS Steel Pipe for Strengthening duct in critical areas= \$11,441

SDI Estimated Cost is \$7,000; Therefore the Department will accept their cost proposal for this additional work