

TRANSMITTAL MEMORANDUM 01-01

MEMO TO: Design Consultants &
Division of Bridge Design

FROM: Stephen E. Goodpaster
Director
Division of Bridge Design

DATE: February 5, 2001

SUBJECT: Unit Prices for Preparing 2001
Structure Cost Estimates

Attached is a list of unit prices for items commonly used in structures. This 2001 Unit Price List is to be used for the preparation of structure estimates until the next update.

Drilled shaft unit prices are listed for information only. Drilled shaft contractors may provide more realistic prices for site-specific conditions.

Please address any questions to this office.

SEG/ALI/rrm

Attachments

| UNIT PRICES FOR PREPARING STRUCTURE COST ESTIMATES IN 2001 | | | | | |
|--|--|---------|------------|--------|------------|
| CODE | ITEM DESCRIPTION | ENGLISH | | METRIC | |
| | | UNIT | PRICE | UNIT | PRICE |
| 1 | DGA Base | Tons | \$15.00 | M Ton | \$17.00 |
| 2231 | Structure Granular Backfill | Cu Yd | \$34.00 | Cu M | \$45.00 |
| 2355 | Guardrail Steel W Beam-S Face A | Lin Ft | \$25.00 | Meter | \$82.00 |
| 2403 | Remove Concrete Masonry | Cu Yd | \$300.00 | Cu M | \$395.00 |
| 2596 | Fabric - Geotextile Type I | Sq Yd | \$1.50 | Sq M | \$1.80 |
| 2597 | Fabric - Geotextile Type II | Sq Yd | \$1.90 | Sq M | \$2.25 |
| 2598 | Fabric - Geotextile Type III | Sq Yd | \$1.25 | Sq M | \$1.50 |
| 2599 | Fabric - Geotextile Type IV | Sq Yd | \$1.50 | Sq M | \$1.80 |
| 2998 | Masonry Coating | Sq Yd | \$8.50 | Sq M | \$10.00 |
| 8001 | Structure Excavation (Common) | Cu Yd | \$18.00 | Cu M | \$24.00 |
| 8002 | Structure Excavation (Solid Rock) | Cu Yd | \$35.00 | Cu M | \$46.00 |
| 8016 | Reinforced Concrete Slope Wall 6"/150 mm | Sq Yd | \$50.00 | Sq M | \$60.00 |
| 8018 | Retaining Wall | Sq Ft | \$48.00 | Sq M | \$517.00 |
| 8019 | Cyclopean Stone Rip Rap | Tons | \$21.00 | M Ton | \$23.00 |
| 8020 | Crushed Aggregate Slope Protection | Tons | \$20.00 | M Ton | \$22.00 |
| 8033 | Test Pile | Lin Ft | \$38.00 | Meter | \$125.00 |
| 8046 | Piles Steel (HP 12 x 53)/(HP 310 x 79) | Lin Ft | \$30.00 | Meter | \$98.00 |
| 8050 | Piles Steel (HP 14 x 73)/(HP 360 x 108) | Lin Ft | \$35.00 | Meter | \$115.00 |
| 8051 | Piles Steel (HP 14 x 89)/(HP 360 x 132) | Lin Ft | \$40.00 | Meter | \$131.00 |
| 8060 | Piles - Precast Concrete 14"/355 mm | Lin Ft | \$37.00 | Meter | \$121.00 |
| 8094 | Pile Points 12"/310 mm | Each | \$80.00 | Each | \$80.00 |
| 8095 | Pile Points 14"/360 mm | Each | \$100.00 | Each | \$100.00 |
| 8100 | Concrete Class "A" | Cu Yd | \$335.00 | Cu M | \$438.00 |
| 8104 | Concrete Class "AA" | Cu Yd | \$375.00 | Cu M | \$490.00 |
| 8105 | Concrete Class "AAA" | Cu Yd | \$400.00 | Cu M | \$523.00 |
| 8150 | Steel Reinforcement | Lbs | \$0.57 | Kg | \$1.26 |
| 8151 | Steel Reinforcement Epoxy Coated | Lbs | \$0.63 | Kg | \$1.39 |
| 8160 | Structural Steel (Steel Superstructure) | Lbs * | \$1.20 | Kg * | \$2.65 |
| 8160 | Structural Steel (Armored Edges, Drains, etc.) | Lbs * | \$2.35 | Kg * | \$5.20 |
| 8469 | Expansion Dam 1 1/2"/40 mm Neoprene | Lin Ft | \$95.00 | Meter | \$312.00 |
| 8470 | Expansion Dam 2"/50 mm Neoprene | Lin Ft | \$105.00 | Meter | \$345.00 |
| 8471 | Expansion Dam 2 1/2"/60 mm Neoprene | Lin Ft | \$122.00 | Meter | \$400.00 |
| 8472 | Expansion Dam 4"/100 mm Neoprene | Lin Ft | \$155.00 | Meter | \$509.00 |
| 8475 | Expansion Dam 1 1/2"/40 mm Silicone | Lin Ft | \$90.00 | Meter | \$295.00 |
| 8500 | Approach Slab | Sq Yd | \$120.00 | Sq M | \$144.00 |
| 8526 | Concrete Class "AA" Full Depth Patch | Cu Yd | \$600.00 | Cu M | \$785.00 |
| 8534 | Concrete Overlay - Latex | Cu Yd | \$1,080.00 | Cu M | \$1,413.00 |
| 8535 | Concrete Overlay - Portland Cement | Cu Yd | \$700.00 | Cu M | \$916.00 |
| 8549 | Blast Cleaning | Sq Yd | \$6.50 | Sq M | \$7.80 |
| 8551 | Machine Prep of Existing Slab | Sq Yd | \$15.00 | Sq M | \$18.00 |
| 8632 | Precast PCI-Beam Type II/Type 2 (915 mm) | Lin Ft | \$92.00 | Meter | \$302.00 |
| 8633 | Precast PCI-Beam Type III/Type 3 (1145 mm) | Lin Ft | \$100.00 | Meter | \$328.00 |
| 8634 | Precast PCI-Beam Type IV/Type 4 (1370 mm) | Lin Ft | \$108.00 | Meter | \$355.00 |
| 8636 | Precast PCI-Beam 60"/Type 5 (1525 mm) | Lin Ft | \$135.00 | Meter | \$443.00 |
| 8635 | Precast PCI-Beam 66"/Type 6 (1675 mm) | Lin Ft | \$155.00 | Meter | \$509.00 |
| 8637 | Precast PCI-Beam 72"/Type 7 (1830 mm) | Lin Ft | \$160.00 | Meter | \$525.00 |
| 8638 | Precast PCI-Beam 78"/Type 8 (1980 mm) | Lin Ft | \$165.00 | Meter | \$541.00 |
| 8639 | Precast PCI-Beam 84"/Type 9 (2135 mm) | Lin Ft | \$170.00 | Meter | \$558.00 |

UNIT PRICES FOR PREPARING STRUCTURE COST ESTIMATES IN 2001

| CODE | ITEM DESCRIPTION | ENGLISH | | METRIC | |
|------|--|---------|------------|--------|------------|
| | | UNIT | PRICE | UNIT | PRICE |
| 8651 | Precast PC Box Beam, B 12-48/B 305 | Lin Ft | \$140.00 | Meter | \$459.00 |
| 8652 | Precast PC Box Beam, B 17-48/B 430 | Lin Ft | \$145.00 | Meter | \$476.00 |
| 8653 | Precast PC Box Beam, B 21-48/B 535 | Lin Ft | \$150.00 | Meter | \$492.00 |
| 8654 | Precast PC Box Beam, B 27-48/B 685 | Lin Ft | \$155.00 | Meter | \$509.00 |
| 8655 | Precast PC Box Beam, B 33-48/B 840 | Lin Ft | \$175.00 | Meter | \$574.00 |
| 8656 | Precast PC Box Beam, B 42-48/B 1065 | Lin Ft | \$200.00 | Meter | \$656.00 |
| 8661 | Precast PC Box Beam, CB 12-48/CB 305 | Lin Ft | \$140.00 | Meter | \$459.00 |
| 8662 | Precast PC Box Beam, CB 17-48/CB 430 | Lin Ft | \$145.00 | Meter | \$476.00 |
| 8663 | Precast PC Box Beam, CB 21-48/CB 535 | Lin Ft | \$150.00 | Meter | \$492.00 |
| 8664 | Precast PC Box Beam, CB 27-48/CB 685 | Lin Ft | \$155.00 | Meter | \$509.00 |
| 8665 | Precast PC Box Beam, CB 33-48/CB 840 | Lin Ft | \$175.00 | Meter | \$574.00 |
| 8666 | Precast PC Box Beam, CB 42-48/CB 1065 | Lin Ft | \$200.00 | Meter | \$656.00 |
| 8667 | Spread Precast PC Box Beam, SB 12-48/SB 305 | Lin Ft | \$140.00 | Meter | \$459.00 |
| 8668 | Spread Precast PC Box Beam, SB 17-48/SB 430 | Lin Ft | \$145.00 | Meter | \$476.00 |
| 8669 | Spread Precast PC Box Beam, SB 21-48/SB 535 | Lin Ft | \$150.00 | Meter | \$492.00 |
| 8670 | Spread Precast PC Box Beam, SB 27-48/SB 685 | Lin Ft | \$155.00 | Meter | \$509.00 |
| 8671 | Spread Precast PC Box Beam, SB 33-48/SB 840 | Lin Ft | \$160.00 | Meter | \$525.00 |
| 8672 | Spread Precast PC Box Beam, SB 42-48/SB 1065 | Lin Ft | \$165.00 | Meter | \$541.00 |
| 8710 | Chain Link Fence 4 Ft./1.2 M | Lin Ft | \$20.00 | Meter | \$66.00 |
| 8711 | Chain Link Fence 6 Ft./1.8 M | Lin Ft | \$25.00 | Meter | \$85.00 |
| 8709 | Chain Link Fence 7 Ft./2.1 M | Lin Ft | \$30.00 | Meter | \$98.00 |
| 8712 | Chain Link Fence 8 Ft./2.4 M | Lin Ft | \$35.00 | Meter | \$115.00 |
| 8713 | Chain Link Fence 9 Ft./2.7 m | Lin Ft | \$40.00 | Meter | \$131.00 |
| 8714 | Chain Link Fence 10 Ft./3.0 m | Lin Ft | \$45.00 | Meter | \$148.00 |
| 8801 | Guardrail-Steel W BM-S Face BR | Lin Ft | \$70.00 | Meter | \$230.00 |
| 8820 | Drain Pipe 6"/150 mm | Lin Ft | \$60.00 | Meter | \$197.00 |
| 8821 | Drain Pipe 8"/200 mm | Lin Ft | \$65.00 | Meter | \$213.00 |
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| | Drilled Shaft - 36"/910 mm, Common | Lin Ft | \$120.00 | Meter | \$395.00 |
| | Drilled Shaft - 36"/910 mm, Rock | Lin Ft | \$230.00 | Meter | \$760.00 |
| | Drilled Shaft - 48"/1220 mm, Common | Lin Ft | \$315.00 | Meter | \$1,030.00 |
| | Drilled Shaft - 48"/1220 mm, Rock | Lin Ft | \$560.00 | Meter | \$1,840.00 |
| | Drilled Shaft - 54"/1372 mm, Common | Lin Ft | \$410.00 | Meter | \$1,350.00 |
| | Drilled Shaft - 54"/1372 mm, Rock | Lin Ft | \$725.00 | Meter | \$2,380.00 |
| | Drilled Shaft - 60"/1520 mm, Common | Lin Ft | \$575.00 | Meter | \$1,890.00 |
| | Drilled Shaft - 60"/1520 mm, Rock | Lin Ft | \$1,015.00 | Meter | \$3,335.00 |
| | Drilled Shaft - 72"/1830 mm, Common | Lin Ft | \$900.00 | Meter | \$2,965.00 |
| | Drilled Shaft - 72"/1830 mm, Rock | Lin Ft | \$1,600.00 | Meter | \$5,240.00 |
| | Drilled Shaft - 84"/2130 mm, Common | Lin Ft | \$1,230.00 | Meter | \$4,040.00 |
| | Drilled Shaft - 84"/2130 mm, Rock | Lin Ft | \$2,180.00 | Meter | \$7,150.00 |
| | Drilled Shaft - 96"/2440 mm, Common | Lin Ft | \$1,560.00 | Meter | \$5,120.00 |
| | Drilled Shaft - 96"/2440 mm, Rock | Lin Ft | \$2,760.00 | Meter | \$9,055.00 |