

RSMeans® Building Construction Cost Data



More than 24,500 completely updated unit price lines

2014

72nd annual edition Cost data from the most quoted name in construction

Building Construction Cost Data 2014

The 72nd edition of this bestselling cost guide has been updated and expanded to provide you with the information you need to:

- Estimate projects with confidence and accuracy
- Improve project planning and budgeting
- Reduce risk

Explore detailed construction costs, arranged in the CSI MasterFormat 2012 system, and leverage the resources available in the reference section to construct a winning estimate.

What you'll find inside:

- Completely updated and expanded with more than 24,500 unit costs for building components
- Sustainable construction costs
- City Cost Indexes and Location Factors for over 930 U.S. and Canadian locations
- Equipment rental costs
- Crew sizes, labor hours, and labor rates
- Detailed reference information

Plus:

- Get access to free quarterly cost index and key material price updates for a full year!

Your 2014 book includes:

- A full sample estimate designed to help you improve estimating accuracy
- Easy-to-follow "How RSMeans Data Works" pages

Building Construction Cost Data 2014

02 32 Geotechnical Investigations

02 32 19 - Exploratory Excavations

| 02 32 19.10 Test Pits | Crew | Daily Output | Labor-Hours | Unit | Material | 2014 Labor | Bare Costs Equipment | Total | Total Incl O&P |
|----------------------------------------------|------|--------------|-------------|------|----------|------------|----------------------|-------|----------------|
| 1010 Difficult access for rig, add | | | | Ht. | | | | 260 | 320 |
| 1020 Auger borings, drill rig, incl. samples | | | | L.F. | | | | 26.50 | 33 |
| 1030 Hand auger | | | | | | | | 31.50 | 40 |
| 1050 Drill and sample every 5', split spoon | | | | | | | | 31.50 | 40 |
| 1060 Extra samples | | | | Ex. | | | | 36 | 45.50 |

02 41 Demolition

02 41 13 - Selective Site Demolition

02 41 13.15 Hydrodemolition

| 02 41 13.15 HYDRODEMOLITION | R024119-10 | B-5 | 500 | .112 | S.F. | 4.53 | 2.85 | 7.38 |
|-------------------------------------------------------------|------------|-----|-----|------|------|------|------|-------|
| 0015 Hydrodemolition, concrete pavement, 4000 PSI, 2" depth | | | 450 | .124 | | 5.05 | 3.17 | 8.22 |
| 0120 4" depth | | | 400 | .140 | | 5.65 | 3.56 | 9.21 |
| 0130 6" depth | | | 410 | .137 | | 5.50 | 3.47 | 8.97 |
| 0410 6000 PSI, 2" depth | | | 350 | .160 | | 6.45 | 4.07 | 10.52 |
| 0420 4" depth | | | 300 | .187 | | 7.55 | 4.75 | 12.30 |
| 0430 6" depth | | | 330 | .170 | | 6.85 | 4.32 | 11.17 |
| 0510 8000 PSI, 2" depth | | | 280 | .200 | | 8.10 | 5.10 | 13.20 |
| 0520 4" depth | | | 240 | .233 | | 9.45 | 5.95 | 15.40 |
| 0530 6" depth | | | | | | | | |

02 41 13.17 Demolish, Remove Pavement and Curb

| 02 41 13.17 DEMOLISH, REMOVE PAVEMENT AND CURB | R024119-10 | B-38 | 690 | .058 | S.Y. | 2.41 | 1.86 | 4.27 |
|--------------------------------------------------------------|------------|------|------|-------|------|-------|-------|-------|
| 0010 Pavement removal, bituminous roads, up to 3" thick | | | 420 | .095 | | 3.96 | 3.05 | 7.01 |
| 5050 4" to 6" thick | | | 640 | .063 | | 2.60 | 2 | 4.60 |
| 5100 Bituminous driveways | | | | | | | | |
| 5200 Concrete to 6" thick, hydraulic hammer, mesh reinforced | | | 255 | .157 | | 6.50 | 5 | 11.50 |
| 5300 Rod reinforced | | | 200 | .200 | | 8.30 | 6.40 | 14.70 |
| 5400 Concrete, 7" to 24" thick, plain | | | 33 | 1.212 | C.Y. | 50.50 | 39 | 89.50 |
| 5500 Reinforced | | | 24 | 1.667 | " | 69.50 | 53.50 | 123 |
| 5600 With hand held air equipment, bituminous, to 6" thick | | | 1900 | .025 | S.F. | .98 | .12 | 1.10 |
| 5700 Concrete to 6" thick, no reinforcing | | | 1600 | .030 | | 1.16 | .15 | 1.31 |
| 5800 Mesh reinforced | | | 1400 | .034 | | 1.33 | .17 | 1.50 |
| 5900 Rod reinforced | | | 765 | .063 | | 2.43 | .31 | 2.74 |
| 6000 Curbs, concrete, plain | | | 360 | .067 | L.F. | 3.50 | 1.01 | 4.51 |
| 6100 Reinforced | | | 275 | .087 | | 3.50 | 1.33 | 4.83 |
| 6200 Granite | | | 360 | .067 | | 2.67 | 1.01 | 3.68 |
| 6300 Bituminous | | | 528 | .045 | | 1.82 | .69 | 2.51 |

02 41 13.33 Minor Site Demolition

| 02 41 13.33 MINOR SITE DEMOLITION | R024119-10 | B-6 | 7 | 3.429 | EA. | 138 | 52 | 190 |
|-------------------------------------------------------|------------|-----|-------|-------|-----|-------|-------|--------|
| 0015 No hauling, abandon catch basin or manhole | | | 4 | 6 | | 241 | 91.50 | 332.50 |
| 0020 Remove existing catch basin or manhole, masonry | | | 13 | 1.846 | | 74 | 28 | 102 |
| 0030 Catch basin or manhole frames and covers, stored | | | 7 | 3.429 | | 138 | 52 | 190 |
| 0100 Remove and reset | | | | | | | | |
| 0100 Roadside delineators, remove only | | | 840 | 175 | 183 | 7.25 | 4.33 | 11.58 |
| 0110 Remove and reset | | | ** | 100 | 320 | 12.70 | 7.60 | 20.30 |
| 0800 Guide rail, corrugated steel, remove only | | | 840A | 100 | 240 | 8.80 | 3.33 | 12.13 |
| 0850 Remove and reset | | | ** | 40 | 600 | 22 | 8.35 | 30.35 |
| 0860 Guide posts, remove only | | | 840B | 120 | 267 | 10.45 | 2.07 | 12.52 |
| 0870 Remove and reset | | | 845 | 50 | 480 | 17.55 | 22.50 | 40.05 |
| 0900 Hydrants, fire, remove only | | | B-21A | 5 | 8 | 365 | 96 | 461 |
| 0950 Remove and reset | | | ** | 2 | 20 | 915 | 241 | 1,156 |

How RSMeans Unit Price Data Works (Continued)

Sample Estimate

This sample demonstrates the elements of an estimate, including a tally of the RSMeans data lines, and a summary of the markups on a contractor's work to arrive at a total cost to the owner. The RSMeans Location Factor is added at the bottom of the estimate to adjust the cost of the work to a specific location.

Work Performed: The body of the estimate shows the RSMeans data selected, including line number, a brief description of each item, its take-off unit and quantity, and the bare costs of materials, labor, and equipment. This estimate also includes a column titled "SubContract," This data is taken from the RSMeans column "Total Incl O&P," and represents the total that a subcontractor would charge a general contractor for the work, including the sub's markup for overhead and profit.

Division 1, General Requirements: This is the first division numerically, but the last division estimated. Division 1 includes project-wide needs provided by the general contractor. These requirements vary by project, but may include temporary facilities and utilities, security, testing, project cleanup, etc. For small projects a percentage can be used, typically between 5% and 15% of project cost. For large projects the costs may be itemized and priced individually.

Bonds: Bond costs should be added to the estimate. The figures here represent a typical performance bond, ensuring the owner that if the general contractor does not complete the obligations in the construction contract the bonding company will pay the cost for completion of the work.

Location Adjustment: RSMeans published data is based on national average costs. If necessary, adjust the total cost of the project using a location factor from the "Location Factor" table or the "City Cost Index" table. Use location factors if the work is general, covering multiple trades. If the work is by a single trade (e.g., masonry) use the more specific data found in the "City Cost Indexes."

This estimate is based on an interactive spreadsheet. A copy of this spreadsheet is located on the RSMeans website at <http://www.rsmeans.com/constructiondata/rsmeans/extras/546011>. You are free to download it and adjust it to your methodology.

| SURMFW TOPR 3UH-QUHQHHS 6WHW %XLOGUJ | | SUFKLWFWV SY BKRZZ | | |
|---------------------------------------|------------------------------------------------------|--------------------|-------|-------------|
| RFEDWLRQ: | SOZKZHUH, 865 | 4W | 8LW | |
| 13 30 53.40 3940 | 6WLS IRRWLQJ 12" [24" UHLORUFG | 34 | & < | \$4,624.00 |
| 03 30 53.40 3950 | 6WLS IRRWLQJ 12" [36" UHLORUFG | 15 | & < | \$1,950.00 |
| 03 11 13.65 3000 | 8RFUHHW VODE HSHRUPV | 500 | /. | \$155.00 |
| 03 22 11.35 0200 | HQHG ZUH IDUFL UHLORUFG | 150 | & 6.) | \$2,580.00 |
| 03 31 13.35 0300 | SQDQ PL FROFHWHW 4000 SVL IRU VODE RQ JUDGH | 278 | & < | \$28,912.00 |
| 03 31 13.70 4300 | 30DQ ULLNH RI 8 FRODORQ HWH FROFHWHW VODE | 278 | & < | \$0.00 |
| 03 35 13.30 0250 | 0PDLQ ORDQ 8 WURGH FROFHWHW VODE | 15,000 | 6.) | \$0.00 |
| 03 15 16.20 0140 | 8WH FRODORQ WURGH FROFHWHW VODE | 950 | /.) | \$57.00 |
| 03 39 23.13 0300 | 8SUDHG FROFHWHW FALQJ PHPELOH | 150 | & 6.) | \$1,642.50 |
| LYLVLRQ 03 EXEWRWD \$39,920.50 | | | | |
| 08 36 13.10 2650 | 00QDQ 10 [10 VVHWO VFWLRQDQ RYHWHQG GRU | 8 | (D. | \$8,800.00 |
| 08 36 13.10 2860 | 00QDQ 10 [10 VVHWO EFN SODHU RU 1- GRU | 800 | 6.) | \$3,760.00 |
| LYLVLRQ 08 EXEWRWD \$12,560.00 | | | | |
| 13 34 19.50 1100 | 3UH-QUHQHHS 6WHW %XLOGUJ 100 [150 [24 15,000 6] JOU. | | | \$0.00 |
| 13 34 19.50 6050 | JUDQLRU 36% GRU RSHOLQJ 3 [7 4 2SQJ | | | \$0.00 |
| 13 34 19.50 6100 | JUDQLRU 36% GRU RSHOLQJ 10 [10 8 2SQJ | | | \$0.00 |
| 13 34 19.50 6200 | JUDQLRU 36% ZLOGRZ RSHOLQJ 4 [3 6 2SQJ | | | \$0.00 |
| 13 34 19.50 5750 | 36% GRU 3 [7 VLOQH OHDI | 4 | 2SQJ | \$2,340.00 |
| 13 34 19.50 7750 | 36% VLOQH ZLOGRZ 4 [3 ZLWK VFLHHQ | 6 | 2SQJ | \$2,250.00 |
| 13 34 19.50 6550 | 36% ZKHWHU NDY WGH 26 JD. SLOWHG | 300 | /.) | \$2,010.00 |
| 13 34 19.50 6950 | 36% URRH UHWH 12 ZLOH [10 ORQJ | 15 | (D. | \$540.00 |
| 13 34 19.50 6800 | 36% LQVXODWRU YLDO DPHG 4" WULFK | 27,400 | 6.) | \$10,960.00 |
| LYLVLRQ T3 EXEWRWD \$18,100.00 | | | | |
| BEWRWD \$70,580.50 | | | | |
| LYLVLRQ 01 EXEWRWD \$4,940.64 | | | | |
| (VLPDWH BEWRWD \$75,521.14 | | | | |
| GDQV 7D] 5% \$3,776.06 | | | | |
| BEWRWD 0% \$9,297.19 | | | | |
| * 2 & 3 7,929.72 | | | | |
| BEWRWD 1% \$7,226.91 | | | | |
| &RQJLQHPH 5% \$7,226.91 | | | | |
| BEWRWD 1 | | | | |
| NRQG # \$12/1000 +10% 283 | | | | |
| BEWRWD | | | | |
| 8FWLRQ SHHWPHQW (DFWU | | | | |
| YDGG TRWD | | | | |



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