
National Average Labor Cost Construction Guide

Study of Health Facilities Construction Costs :
Enclosure A-[C]
Land, Materials, and Labor Costs
Labor Productivity in Heavy Construction
Sewage Treatment Plant Construction Cost Index
Evidence Study
Cost Estimating Guide for Road Construction
Means Heavy Construction Handbook
The Building Situation ...
Los Alamos National Laboratory Building Cost
Index
Basic Guide to the National Labor Relations Act
Current Wage Developments
Construction Labor Report
Estimating Building Costs
Current Construction Reports
The Division of Work Between Unionized and
Open Shop Construction in Massachusetts [sic]
Monthly Labor Review
Construction Review
2015 RSMeans Labor Rates for the Construction
Industry
Project Management for Construction
2023 National Painting Cost Estimator

The American Architect and the Architectural Review
Davis-Bacon and Project Labor Agreements
National Housing Bulletin
Means Labor Rates for the Construction Industry
RSMeans Labor Rates for the Construction Industry
Markup & Profit
Wages in the United States, 1914-1926
Sewer and Sewage Treatment Plant Construction Cost Index
Housing Costs, where the Housing Dollar Goes
Monthly Labor Review
Construction Reports
Creating Good Jobs
Federal Energy Regulatory Commission Reports
2021 National Construction Estimator
RSMeans Cost Data, + Website
Means Labor Rates for the Construction Industry 2002
Ask a Manager
Sewage Treatment Plant Construction Cost Index
American Architect

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ARMSTRONG AVILA

Study of Health Facilities

Construction Costs : Enclosure A-[C] Craftsman Book Co
Publishes in-depth articles on labor

subjects, current labor statistics, information about current labor contracts, and book reviews.

Land,
Materials, and
Labor Costs

R.S. Means Company The Construction Chart Book presents the most complete data available on all facets of the U.S. construction industry: economic, demographic, employment/income, education/training, and safety and health issues. The book presents this information in a series of 50 topics, each with a description of the subject

matter and corresponding charts and graphs. The contents of The Construction Chart Book are relevant to owners, contractors, unions, workers, and other organizations affiliated with the construction industry, such as health providers and workers compensation insurance companies, as well as researchers, economists, trainers, safety and health professionals,

and industry observers. *Labor Productivity in Heavy Construction* R.S. Means Company Instant answers to hourly wage questions for over 300 major cities and 46 trades -- exacting rates for estimates, comparisons and negotiationsM eans Labor Rates for the Construction Industry 2002 provides a quick, convenient way to obtain 2002 union wage rates for every major

metropolitan area in the United States and Canada. Wage rates listed are the actual negotiated union rates or a reliable estimate for each of the 46 construction trades. This versatile manual is ideally suited for making comparisons between cities and combinations of cities, and for rapidly determining wage scales above or below national averages. Through the use of a special index,

factors are provided to convert the national average labor figures in Means Building Construction Cost Data 2002 to local labor costs by individual trades. *Sewage Treatment Plant Construction Cost Index* Cpwr - The Center for Construction Research and Training Means Labor Rates for the Construction Industry 2016 The United States and Canada. Wage rates listed

are the actual negotiated union rates or a reliable estimate for each of the 46 construction trades. This versatile manual is ideally suited for making comparisons between cities and combinations of cities, and for rapidly determining wage scales above or below national averages. Through the use of a special index, factors are provided to convert the national average labor figures in

<p>Building Construction Cost Data 2016 to local labor costs by individual trades.</p> <p>Evidence Study U.S. Government Printing Office RSMean Cost Data, Student Edition provides a thorough introduction to cost estimating in a self-contained print and online package. With clear explanations and a hands-on, example-driven approach, it is the ideal reference for</p>	<p>students and new professionals who need to learn how to perform cost estimating for building construction. Features include: Commercial and residential construction cost data in print and online formats Complete how-to guidance on the essentials of cost estimating A supplemental website with plans, specifications, problem sets, and a full sample estimate With</p>	<p>more than 930 Location Factors in the United States and Canada, the data includes up-to-date system prices for more than 100 standard assemblies and in-place costs for thousands of alternates—making it easy to customize budget estimates and compare system costs.</p> <p>UNIT PRICES (organized in MasterFormat 2010) 1 General Requirements 2 Existing Conditions 3 Concrete 4 Masonry 5</p>
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Metals 6	Improvements	quality in low-
Woods,	33 Utilities	wage
Plastics &	ASSEMBLIES A	industries
Composites 7	Substructure	including
Thermal &	B Shell C	retail,
Moisture	Interiors D	residential
Protection 8	Services E	construction,
Openings 9	Equipment &	hospitals and
Finishes 10	Furnishings F	long-term
Specialties 11	Special	healthcare,
Equipment 12	Construction	restaurants,
Furnishings 13	G Building Site	manufacturing
Special	Work	, and long-
Construction	REFERENCE	haul trucking.
14 Conveying	INFORMATION	Americans
Equipment 21	Equipment	work harder
Fire	Rental Costs	and longer
Suppression	Crews Cost	than our
22 Plumbing	Indexes	counterparts
23 Heating,	Reference	in other
Ventilating &	Tables Square	industrialized
Air	Foot Costs	nations. Yet
Conditioning	Cost	prosperity
26 Electrical	Estimating	remains
27	Guide for	elusive to
Communicatio	Road	many.
ns 28	Construction	Workers in
Electronic	Chris	such low-wage
Safety &	Hendrickson	industries as
Security 31	Experts	retail,
Earthwork 32	discuss	restaurants,
Exterior	improving job	and home

construction live from paycheck to paycheck, juggling multiple jobs with variable schedules, few benefits, and limited prospects for advancement. These bad outcomes are produced by a range of industry-specific factors, including intense competition, outsourcing and subcontracting, failure to enforce employment standards, overt discrimination, outmoded

production and management systems, and inadequate worker voice. In this volume, experts look for ways to improve job quality in the low-wage sector. They offer in-depth examinations of specific industries—long-term healthcare, hospitals and outpatient care, retail, residential construction, restaurants, manufacturing, and long-haul trucking—that together account for more than half

of all low-wage jobs. The book's sector view allows the contributors to address industry-specific variations that shape operational choices about work. Drawing on deep industry knowledge, they consider important distinctions within and between these industries; the financial, institutional, and structural incentives that shape the choices employers make; and what it would

<p>take to make more jobs better jobs. Contributors Eileen Appelbaum, Rosemary Batt, Dale Belman, Julie Brockman, Françoise Carré, Susan Helper, Matt Hinkel, Tashlin Lakhani, JaeEun Lee, Raphael Martins, Russell Ormiston, Paul Osterman, Can Ouyang, Chris Tilly, Steve Viscelli</p> <p><i>Means Heavy Construction Handbook</i> CRC Press</p> <p>Issues for 1955 accompanied by</p>	<p>supplement: Construction volume and costs, 1915-1954. <i>The Building Situation ...</i> MIT Press</p> <p>Companies live or die on the basis of estimating their costs. Preparing estimates and bidding for new jobs is a complex and often costly process. There is no substitute for on the job training -- until now. Drawing on the authors' combined experience of more than 70 years, <i>Estimating</i></p>	<p><i>Building Costs</i> presents state-of-the-art principles, practices, and techniques for assessing these expenditures that can be applied regardless of changes in the costs of materials, equipment, and labor. The book is an efficient and practical tool for developing contracts or controlling project costs. The authors cover the major components of the direct cost: estimating procedures</p>
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and cost trends related to materials, construction equipment, and skilled and unskilled labor. They describe various types of building estimates encountered during the lifecycle of a project, as well as the role and accuracy of each. The book provides an overview of the industry, cost indexes in use, approaches to preparing a detailed estimate, and an in-depth description of the

organization and function of the estimating group. Including CSI Master Format and UniFormat codes, estimating forms, a list of available estimating software packages, a detailed construction site and investigation report, the book provides a cost estimating methodology that readers can tailor to their own organizational needs.

**Los Alamos
National
Laboratory**

**Building
Cost Index**
John Wiley & Sons
Means Labor Rates for the Construction Industry 2015 The United States and Canada. Wage rates listed are the actual negotiated union rates or a reliable estimate for each of the 46 construction trades. This versatile manual is ideally suited for making comparisons between cities and combinations of cities, and for rapidly determining wage scales

above or below national averages.

Through the use of a special index, factors are provided to convert the national average labor figures in Building Construction Cost Data 2015 to local labor costs by individual trades.

John Wiley & Sons
 RSMMeans Cost Data, +
 Website
 John Wiley & Sons
Basic Guide to the National Labor Relations Act
 Rsmmeans
 In order to succeed in a

construction business you have to be able to mark up the price of your jobs to cover overhead expenses and make a decent profit. The problem is how much to mark it up. You don't want to lose jobs because you charge too much, and you don't want to work for free because you've charged too little. If you know how much to mark up you can apply it to your job costs and arrive at

the right sales price for your work. This book gives you the background and the calculations necessary to easily figure the markup that is right for your business.

Includes a CD-ROM with forms and checklists for your use.

Current Wage Developments
 Ballantine Books
 Current building costs for residential, commercial, and industrial construction. Estimated prices for

every common building material, the labor cost to install the material and a total installed cost. For those jobs where you can't rely on your past experience to estimate, rely on the prices in this national standard of construction costs to get you safely in the ballpark. *Construction Labor Report* RSMean Cost Data, + Website This working handbook provides invaluable assistance for estimating

and planning today's more complex urban and suburban heavy construction rehabilitation projects. Means Heavy Construction Handbook is designed to simplify the task by providing relevant information and advice for the problem at hand... whether it's selecting the right number of haulers for a load and haul job, choosing the right method of compaction, or projecting equipment

repair and maintenance costs. You'll find a tremendous range of expert advice on every aspect of heavy construction work... including guidance for using RSMean cost data to prepare highly reliable estimates. FEATURES: Special benefits of this unique Handbook: Explains the business aspects of buying vs. leasing, maintaining, and

accounting for equipment. Includes a major section on site evaluation and hazardous wastes. Provides a comprehensive understanding of heavy construction operations and equipment. Explains techniques for hazardous waste site assessment and remediation. Provides guidance for analyzing and estimating heavy construction on a unit price basis. Explains

and illustrates the math of heavy construction with formulas and sample calculations – solutions to a variety of productivity and operational problems. Provides a substantial Appendix of productivity and other reference data for estimating and project planning. Explains successful management and supervision approaches – including guidance for those who oversee the

work.

Estimating Building Costs

This study focuses on variations in labor productivity in the heavy construction industry. Productivity is one of a number of factors likely to affect the speed and cost of constructing a synthetic fuels plant. The findings of this study are presented with reference to synthetic fuels plants, but they are relevant to other large energy facilities as

well. The data were gathered through a detailed literature search and extensive in-depth interviews with consultants in heavy industrial construction, union officials, and management. In this manner the most important determinants of labor productivity were identified and ranked in terms of relative significance. The type of project under construction is

the most important factor affecting the productivity of heavy construction labor. Projects characterized by the utility work syndrome are large, complex, relatively unique, highly regulated, and have cost-plus contracts and tight deadlines. Such projects generally have lower-than-average levels of labor productivity. Labor productivity is also lowered by worker and management

morale problems, due to delays and design changes, and by high levels of unemployment among construction workers. Finally, boom town conditions, caused by workers moving to live near large projects located in rural areas, also are likely to result in below-average labor productivity. Synthetic fuels plants are likely to have a number of these identified

characteristics . Consequently, the findings suggest that labor productivity may well be a problem for the timely development of an economically competitive synthetic fuels industry.

Current Construction Reports

From the creator of the popular website Ask a Manager and New York’s work-advice columnist comes a witty, practical guide to 200 difficult professional conversations —featuring all-new advice!

There’s a reason Alison Green has been called “the Dear Abby of the work world.” Ten years as a workplace-advice columnist have taught her that people avoid awkward conversations in the office because they simply don’t know what to say.

Thankfully, Green does—and in this incredibly helpful book, she tackles the tough discussions you may need to have during your career.

You’ll learn what to say when • coworkers push their work on you—then take credit for it • you accidentally trash-talk someone in an email then hit “reply all” • you’re being micromanaged—or not being managed at all • you catch a colleague in a lie • your boss seems unhappy with your work • your cubemate’s loud speakerphone is making you

homicidal • you got drunk at the holiday party Praise for Ask a Manager “A must-read for anyone who works . . . [Alison Green’s] advice boils down to the idea that you should be professional (even when others are not) and that communicating in a straightforward manner with candor and kindness will get you far, no matter where you work.”—Booklist (starred review) “The author’s

friendly, warm, no-nonsense writing is a pleasure to read, and her advice can be widely applied to relationships in all areas of readers’ lives. Ideal for anyone new to the job market or new to management, or anyone hoping to improve their work experience.”—Library Journal (starred review) “I am a huge fan of Alison Green’s Ask a Manager column. This book is even better. It teaches us

how to deal with many of the most vexing big and little problems in our workplaces—and to do so with grace, confidence, and a sense of humor.”—Robert Sutton, Stanford professor and author of The No Asshole Rule and The Asshole Survival Guide “Ask a Manager is the ultimate playbook for navigating the traditional workforce in a diplomatic but firm way.”—Erin Lowry, author of Broke

Millennial: Stop Scraping By and Get Your Financial Life Together <u>The Division of Work Between Unionized and Open Shop Construction in Massachsetts</u>	[sic] Publishes in- depth articles on labor subjects, current labor statistics, information about current labor contracts, and book reviews. <u>Monthly Labor</u>	<u>Review</u> Construction Review <i>2015 RSMMeans Labor Rates for the Construction Industry</i> Project Management for Construction
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