

# PROJECT ESTIMATE SHEET

PROJECT NAME:	Mary Green deck		
DESCRIPTION:	New 10 x 10 deck with rails and stairs, includes staining		
ESTIMATE DATE:	12/01/14		
ESTIMATE BY:	John		
BURDENED LABOR RATE	\$47.50	Per Month	
MARKUP	43.00%		
Gross Profit Margin	31.00%		
Sales tax on materials	6.75%		
General Production Costs (GPC) factor			
Enter here your materials cost in \$	\$300.000		
Enter here your GPC in \$	\$12.500		
Permit Fee in \$ (fixed cost)	\$100.00		
Admin hrs. to add for Lead Carpenter, per \$ man hours inside this estimate	1.00		

Estimated Man Hours	85.50
Estimated Admin Hours	8.75
General Production Costs factor in	2.50%

Summary Information	
Items Included in Materials Budget	
Permit fee	\$100.00
Gen. Prod. Costs	\$36.75
Materials plus tax	\$7 640.25
<b>Materials Budget</b>	<b>\$7 837.00</b>
Labor Budget	\$2 111.25
Admin Labor Budget	\$388.91
Subs Budget	\$7 075.00
Estimated Project Cost	\$9 268.16
Estimated Gross Profit	\$2 820.88
Estimated Selling Price	\$9 988.88
Sold Contract Price	

TASK DESCRIPTION	QUAN.	@	MAT.	HR.	LABOR	SUB UNITS	UNIT \$	SUBS	TOTAL
Plans / Permit Application	1	35.00	35.00	2.00	95.00			0.00	130.00
Structural Engineering			0.00		0.00	1	175.00	175.00	175.00
Travel			0.00		0.00			0.00	0.00
Floor & Dust protection			0.00		0.00			0.00	0.00
Job Set-up			0.00	4.00	190.00			0.00	190.00
Material Delivery Fees			0.00		0.00			0.00	0.00
Disposal of Debris	24	1.20	28.80	1.00	47.50	1	350.00	350.00	426.30
Sanitary (Porta-John or similar)			0.00		0.00			0.00	0.00
Demo Porch			0.00	2.00	95.00			0.00	95.00
lockings	2	40.00	80.00	16.00	760.00			0.00	840.00
aluminum fastning	10	1.40	14.00	1.00	47.50			0.00	61.50
2x10 joeger	10	0.85	8.50	2.00	95.00			0.00	103.50
1" lagbolts	18	1.65	29.70	1.25	59.25			0.00	88.95
2x10 joists	200	0.85	170.00	5.00	237.50			0.00	407.50
2x4 joist hangers	8	1.65	13.20	0.50	23.75			0.00	36.95
2x4 support posts	18	1.40	25.20	2.00	95.00			0.00	117.40
2x12 stringers	24	1.68	40.32	4.00	190.00			0.00	230.32
primed pine	240	1.20	288.00	3.00	142.50			0.00	430.50
1x4 w/ tr	300	0.75	240.00	3.00	142.50			0.00	382.50
3x7 tall PT colonial rails	30	8.40	252.00	13.00	670.00			0.00	922.00
Decorative post caps	8	11.00	88.00	0.25	11.88			0.00	99.88
paintwork	4	36.00	144.00		0.00	1	350.00	350.00	702.00
<b>CLEAR JOB SITE</b>			0.00	2.50	118.75			0.00	118.75
<b>TOTALS</b>			<b>\$1 491.34</b>	<b>85.50</b>	<b>\$2 111.25</b>			<b>\$7 075.00</b>	<b>\$9 837.88</b>
General Production Costs Allowance									36.75
Permit fee									100.00
Administrative Time									388.91
Sales tax on materials									67.67
Total job cost									<b>\$ 9 268.16</b>
Gross Profit added based on Markup									<b>2 820.88</b>
<b>ESTIMATE PRICE:</b>									<b>\$9 988.88</b>

Administration Hrs: 8.75

# General Construction Cost Estimating Manual

**John S. Page**



## **General Construction Cost Estimating Manual:**

Cost Estimator's Reference Manual Rodney D. Stewart, Richard M. Wyskida, James D. Johannes, 1995-04-03 In today's hypercompetitive global marketplace accurate cost estimating is crucial to bottom line results. Nowhere is this more evident than in the design and development of new products and services. Among managing engineers responsible for developing realistic cost estimates for new product designs, the number one source of information and guidance has been the Cost Estimator's Reference Manual. Comprehensive, authoritative, and practical, the Manual instructs readers in the full range of cost estimating techniques and procedures currently used in the fields of development, testing, manufacturing, production, construction, software, general services, government contracting, engineering services, scientific projects, and proposal preparation. The authors clearly explain how to go about gathering the data essential to preparing a realistic estimate of costs and guide the reader step by step through each procedure. This new Second Edition incorporates a decade of progress in the methods, procedures, and strategies of cost estimating. All the material has been updated, and five new chapters have been added to reflect the most recent information on such increasingly important topics as activity-based costing, software estimating, design-to-cost techniques, and cost implications of new concurrent engineering and systems engineering approaches to projects. Indispensable to virtually anyone whose work requires accurate cost estimates, the Cost Estimator's Reference Manual will be especially valuable to engineers, estimators, accountants, and contractors of products, projects, processes, and services to both government and industry. The essential ready reference for the techniques, methods, and procedures of cost estimating. **COST ESTIMATOR'S REFERENCE MANUAL**, Second Edition. Indispensable for anyone who depends on accurate cost estimates for engineering projects, the Cost Estimator's Reference Manual guides the user through both the basic and more sophisticated aspects of the estimating process. Authoritative and comprehensive, the Manual seamlessly integrates the many functions of accounting, financial, statistical, and management of modern cost estimating practice. Its broad coverage includes estimating procedures applied to such areas as Production, Software, Development, General services, Testing, Government contracting, Manufacturing, Engineering, Proposal preparation, Scientific projects, Construction. This updated and expanded Second Edition incorporates all the most important recent developments in cost estimating, such as activity-based costing, software estimating, design-to-cost techniques, computer-aided estimating tools, concurrent engineering, and life cycle costing. For engineers, estimators, accountants, planners, and others who are involved in the cost aspects of projects, the Cost Estimator's Reference Manual is an invaluable information source that will pay for itself many times over.

**Industrial Construction Estimating Manual** Kenneth Storm, 2020-05-27 Industrial Construction Estimating Manual focuses on industrial process plants and enables the contractor, subcontractor, and engineer to use methods, models, procedures, formats, and technical data for developing industrial process plant construction estimates. The manual begins with an introduction devoted to labor data collection, verification of data, coding, productivity measurement, the

unit quantity model and computer aided cost estimating It goes on to provide information on construction materials database systems work estimating computer aided estimating detailed labor estimates bid assurance and detailed applications to construction Practical examples based on historical data collected from past installations are also included as well as a detailed glossary Excel and mathematical formulas metric standard conversions area and volume formulas and boiler man hour tables Industrial Construction Estimating Manual aids contractors subcontractors and engineers with a balance detailed estimating method using the unit quantity model and is an excellent resource for those involved in engineering technology and construction estimating Provides a detailed estimating method using the unit quantity model to prepare construction estimates Delivers information on construction materials databases labor estimates computer aided estimating bid assurance and applications to construction Utilizes historical data from a database of previous similar work calculates material cost and labor by category and produces both summary and detailed man hour and cost estimates

**A Manual for Construction Cost Estimating**, 1981 *Estimator's Equipment Installation Man-Hour Manual* John S. Page, 1999-05-24 Production and composite rate Boilers and heaters Classification equipment Compressors and air dryers Conveyors and bucket elevators Crystallizers Dow therm units Dry material blenders and feeders Dryers and flakers Dust collectors Ejectors Extractors Fans and blowers Filters Flotation machines Gas holders Generators Heat exchangers evaporators and condensers Heating ventilating air conditioning and air handling units Hoist overhead electric Mixers and blenders Pumps Scales Separators Size reduction equipment Thickeners Vessels reactors and tanks Waste treating equipment Water treating equipment Plate welding Insulation and waterproofing Supports Pipe connections Earthwork Concrete Scaffolding Weight tables Sample estimating form

*Walker's Manual for Construction Cost Estimating* Vick S. Crespin, C. Dawson Zeigler, 1981

**Cost Estimating** Rodney D. Stewart, 1991 This revision of the author's bestselling earlier work on cost estimating has been updated to provide currently applicable examples data and techniques Two new chapters have been added covering computer tools and models for cost estimating where to get these tools and the features to look for software cost estimating with special emphasis on the effect of CASE tools on software productivities and resulting software costs A complete set of inflation tables is now included to permit conversion from any year dollars to any other year dollars from 1959 through 1997 Retains its comprehensive coverage of the elements needed to embark on a cost estimating task Strengthened are the invaluable parts of the book which tell the estimator how to produce a competitive and credible cost estimate Manufacturing standards for hardware and electronics are retained as are handy tables for determining the costs of engineering design documentation drafting and testing

*Estimator's Electrical Man-Hour Manual* John S. Page, 1999-05-24 This manual's latest edition continues to be the best source available for making accurate reliable man hour estimates for electrical installation This new edition is revised and expanded to include installation of electrical instrumentation which is used in monitoring various process systems

*Cost Estimating Manual for Pipelines and Marine Structures* John S.

Page,1977-01-01 From the Book Preface This manual has been compiled to provide time frames labor crews and equipment spreads to assist the estimator in capsulizing an estimate for the installation of cross country pipelines marshland pipelines nearshore and surf zone pipelines submerged pipelines wharfs jetties dock facilities single point mooring terminals offshore drilling and production platforms and equipment and appurtenances installed thereon The time frames and labor and equipment spreads which appear throughout this manual are the result of many time and method studies conducted under varied conditions and at locations throughout the world these time frames and labor and equipment spreads reflect a complete unbiased view of all operations involved When one is engaged in compiling an estimate from any information furnished by others as is the case with this manual he should view it in an objective light giving due consideration to the nature of the project at hand and evaluating all items that may affect the productivity of labor and all other elements involved

**Conceptual Cost Estimating Manual** John S. Page,1996-06-14      **Construction Estimating and Bidding: Training Manual to Acquire Fundamental Knowledge in Estimating Building Construction Costs** Yvon Chabot,2019-03-05 The purpose of this manual is to enable students to gain fundamental knowledge of estimating the cost of building construction projects The procedures used for estimating vary from company to company On the other hand the construction industry has become over the years more competitive which has made construction companies to do their best in order to offer the best possible service at the least price To overcome this constraint it is necessary to know precisely the cost of services And it would be the role of an Estimator Unfortunately there are no specific rules as it accounts for obtaining a good estimate even among individuals within a company Because of contracting method currently employed like fast track or PPP construction companies need precision in their estimates in addition as estimators are increasingly consulted at conceptual design stage we will talk about conceptual estimate in chapter one and then focus on detailed estimations and its process in upcoming chapters We all know that a good estimator needs to have a good knowledge about construction techniques and factors that influence the realization of a project We also know that an individual who possesses a high level of experience in his her field but also could be a poor estimator in the absence of reliable method So in this manual we will focus more on estimations method rather than techniques of construction A detailed estimate Bid Estimate can be analyzed in terms of the SIX principal stages of the process 1 Quantity Takeoff 2 Recap Quantities 3 Pricing the Recap 4 Pricing Subcontractor's work 5 Pricing General Expenses 6 Summary and Bid To decode these six steps into an effective and accurate estimation method the manual is divided into three modules Each module is divided into chapters The first module addresses the preparation of an estimate for construction and describes the entire submission process The second module deals with the methods of measurement of the constructive systems then in the third module establish the prices of the elements the expenses of the general conditions and finally close the submission      Construction Cost Estimating Len Holm, John E. Schaufelberger, 2021-04-07 Construction Cost Estimating equips a new generation of students and early career professionals with the skills they need to bid

successfully on projects From developing bid strategies to submitting a completed bid this innovative textbook introduces the fundamentals of construction estimating through a real life case study that unfolds across its 24 chapters Exercises at the end of each chapter offer hands on practice with core concepts such as quantity take offs pricing and estimating for subcontractor work Online resources provide instant access to examples of authentic construction documents including complete detailed direct work estimates subcontractor work estimates general conditions estimates markups and summary schedules Through its unique mix of real world examples and classroom tested insights Construction Cost Estimating ensures that readers are familiar with the entire estimating process even before setting foot on the jobsite **Handbook of**

**Construction Management and Organization** Joseph Frein,2012-12-06 The primary purpose of this handbook is to make available to general contractors consulting engineers construction managers specialty contractors and subcontractors as well as to professors and students in Universities and technical institutes which offer courses on the subject the fundamentals of construction management together with the most workable types of organization and the necessary capabilities they must include to reasonably ensure success and minimize the possibility of failure in this most hazardous profession The second and equally important purpose is to furnish equipment manufacturers dealers material suppliers bankers surety bondsmen and others who traditionally rely on financial statements and general reputation something more concrete to look for the type of management and organization and its scope and capability in deciding how far to go along with contractors with whom they deal or wish to deal This the second edition of the Handbook is an updated version of the work published in 1973 The book covers very many subjects which are part of construction The greatest care was exercised in consideration of their practical aspects based on the theory and practice of construction management and its structure and the functions of the various departments both in the field and central offices that make up construction organization Leading specialists in their particular fields were selected to write chapters on the vital segments making up the structure of construction management and organization These fields include construction contracts and conditions job organization by general types of projects equipment maintenance and preventive maintenance and overhaul engineering and estimating scheduling and controls data processing and the use of computer equipment in engineering and accounting techniques office administration corporate and cost accounting payroll employment and labor relations safety public relations legal and contractual problems banking and finance taxes surety bonding insurance pension and retirement problems and others *Computational Science and Its Applications - ICCSA 2017* Osvaldo Gervasi,Beniamino Murgante,Sanjay Misra,Giuseppe Borruso,Carmelo M. Torre,Ana Maria A.C. Rocha,David Taniar,Bernady O. Apduhan,Elena Stankova,Alfredo Cuzzocrea,2017-07-13 The six volume set LNCS 10404 10409 constitutes the refereed proceedings of the 17th International Conference on Computational Science and Its Applications ICCSA 2017 held in Trieste Italy in July 2017 The 313 full papers and 12 short papers included in the 6 volume proceedings set were carefully reviewed and selected from 1052 submissions Apart from the general tracks ICCSA 2017

included 43 international workshops in various areas of computational sciences ranging from computational science technologies to specific areas of computational sciences such as computer graphics and virtual reality Furthermore this year ICCSA 2017 hosted the XIV International Workshop On Quantum Reactive Scattering The program also featured 3 keynote speeches and 4 tutorials

**Building Design and Construction Handbook** Frederick S. Merritt,1982 Provides updated comprehensive and practical information and guidelines on aspects of building design and construction including materials methods structural types components and costs and management techniques

Engineering and Contracting Manual Halbert Powers Gillette,1928

**Encyclopedia of Chemical Processing and Design** John J. McKetta Jr,1981-01-01 Written by engineers for engineers with over 150 International Editorial Advisory Board members this highly lauded resource provides up to the minute information on the chemical processes methods practices products and standards in the chemical and related industries

**Construction Cost Analysis and Estimating** Phillip F. Ostwald,2001 This work provides principles techniques for the evaluation of construction design emphasizing the importance of strong analysis skills exploring estimation It aims to provide readers with a balanced cohesive overview of these two areas

Planning and Urban Design Standards American Planning Association,2006-02-03 From the publishers of Architectural Graphic Standards this book created under the auspices of The American Planning Association is the most comprehensive reference book on urban planning design and development available today Contributions from more than two hundred renowned professionals provide rules of thumb and best practices for mitigating such environmental impacts as noise traffic aesthetics preservation of green space and wildlife water quality and more You get in depth information on the tools and techniques used to achieve planning and design outcomes including economic analysis mapping visualization legal foundations and real estate developments Thousands of illustrations examples of custom work by today s leading planners and insider information make this work the new standard in the field Order your copy today

Residential Building Cost Guide ,1988

**Building Construction Handbook** Frederick S. Merritt,1975

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