

Estimating Construction Costs by Cyrus Safinya: A Comprehensive Guide

Building a house or any structure involves careful planning and accurate cost estimation. Cyrus Safinya, a renowned expert in the construction industry, has shared his extensive knowledge and insights on estimating construction costs. In this comprehensive guide, we will explore the key factors to consider, the methods used for estimation, and valuable tips provided by Cyrus Safinya.

An to Construction Cost Estimation

Construction cost estimation refers to the process of predicting and calculating the expenses involved in the construction of a building or infrastructure project. It is essential for developers, contractors, and investors to have a clear understanding of the project's budget and expected costs.

Cyrus Safinya emphasizes the importance of accurate cost estimation as it directly impacts project feasibility, profitability, and successful completion. He believes that a well-planned and realistic budget ensures optimal utilization of resources, minimizes financial risks, and avoids cost overruns.

Estimating Construction Costs

by Cyrus R. Safinya (6th Edition, Kindle Edition)

★★★★☆ 4.2 out of 5

Language : English

File size : 29411 KB

Print length : 592 pages

COST ESTIMATE				
PROJECT NAME: The Yakima Beaver Project				
A	B	C	D	E
Unit Number	Unit Cost	In-kind	Cash Value	Man
Quantity	Unit Cost	Material	Value	Man
Materials				
100	\$60,000	\$60,000	\$0	0
101	\$27,000	\$0	\$0	0
102	\$1,000,000	\$1,000,000	\$0	0
103	\$0	\$0	\$0	0
104	\$0	\$0	\$0	0
105	\$0	\$0	\$0	0
106	\$0	\$0	\$0	0
107	\$0	\$0	\$0	0
108	\$0	\$0	\$0	0
109	\$0	\$0	\$0	0
110	\$0	\$0	\$0	0
111	\$0	\$0	\$0	0
112	\$0	\$0	\$0	0
113	\$0	\$0	\$0	0
114	\$0	\$0	\$0	0
115	\$0	\$0	\$0	0
116	\$0	\$0	\$0	0
117	\$0	\$0	\$0	0
118	\$0	\$0	\$0	0
119	\$0	\$0	\$0	0
120	\$0	\$0	\$0	0
121	\$0	\$0	\$0	0
122	\$0	\$0	\$0	0
123	\$0	\$0	\$0	0
124	\$0	\$0	\$0	0
125	\$0	\$0	\$0	0
126	\$0	\$0	\$0	0
127	\$0	\$0	\$0	0
128	\$0	\$0	\$0	0
129	\$0	\$0	\$0	0
130	\$0	\$0	\$0	0
131	\$0	\$0	\$0	0
132	\$0	\$0	\$0	0
133	\$0	\$0	\$0	0
134	\$0	\$0	\$0	0
135	\$0	\$0	\$0	0
136	\$0	\$0	\$0	0
137	\$0	\$0	\$0	0
138	\$0	\$0	\$0	0
139	\$0	\$0	\$0	0
140	\$0	\$0	\$0	0
141	\$0	\$0	\$0	0
142	\$0	\$0	\$0	0
143	\$0	\$0	\$0	0
144	\$0	\$0	\$0	0
145	\$0	\$0	\$0	0
146	\$0	\$0	\$0	0
147	\$0	\$0	\$0	0
148	\$0	\$0	\$0	0
149	\$0	\$0	\$0	0
150	\$0	\$0	\$0	0
151	\$0	\$0	\$0	0
152	\$0	\$0	\$0	0
153	\$0	\$0	\$0	0
154	\$0	\$0	\$0	0
155	\$0	\$0	\$0	0
156	\$0	\$0	\$0	0
157	\$0	\$0	\$0	0
158	\$0	\$0	\$0	0
159	\$0	\$0	\$0	0
160	\$0	\$0	\$0	0
161	\$0	\$0	\$0	0
162	\$0	\$0	\$0	0
163	\$0	\$0	\$0	0
164	\$0	\$0	\$0	0
165	\$0	\$0	\$0	0
166	\$0	\$0	\$0	0
167	\$0	\$0	\$0	0
168	\$0	\$0	\$0	0
169	\$0	\$0	\$0	0
170	\$0	\$0	\$0	0
171	\$0	\$0	\$0	0
172	\$0	\$0	\$0	0
173	\$0	\$0	\$0	0
174	\$0	\$0	\$0	0
175	\$0	\$0	\$0	0
176	\$0	\$0	\$0	0
177	\$0	\$0	\$0	0
178	\$0	\$0	\$0	0
179	\$0	\$0	\$0	0
180	\$0	\$0	\$0	0
181	\$0	\$0	\$0	0
182	\$0	\$0	\$0	0
183	\$0	\$0	\$0	0
184	\$0	\$0	\$0	0
185	\$0	\$0	\$0	0
186	\$0	\$0	\$0	0
187	\$0	\$0	\$0	0
188	\$0	\$0	\$0	0
189	\$0	\$0	\$0	0
190	\$0	\$0	\$0	0
191	\$0	\$0	\$0	0
192	\$0	\$0	\$0	0
193	\$0	\$0	\$0	0
194	\$0	\$0	\$0	0
195	\$0	\$0	\$0	0
196	\$0	\$0	\$0	0
197	\$0	\$0	\$0	0
198	\$0	\$0	\$0	0
199	\$0	\$0	\$0	0
200	\$0	\$0	\$0	0
201	\$0	\$0	\$0	0
202	\$0	\$0	\$0	0
203	\$0	\$0	\$0	0
204	\$0	\$0	\$0	0
205	\$0	\$0	\$0	0
206	\$0	\$0	\$0	0
207	\$0	\$0	\$0	0
208	\$0	\$0	\$0	0
209	\$0	\$0	\$0	0
210	\$0	\$0	\$0	0
211	\$0	\$0	\$0	0
212	\$0	\$0	\$0	0
213	\$0	\$0	\$0	0
214	\$0	\$0	\$0	0
215	\$0	\$0	\$0	0
216	\$0	\$0	\$0	0
217	\$0	\$0	\$0	0
218	\$0	\$0	\$0	0
219	\$0	\$0	\$0	0
220	\$0	\$0	\$0	0
221	\$0	\$0	\$0	0
222	\$0	\$0	\$0	0
223	\$0	\$0	\$0	0
224	\$0	\$0	\$0	0
225	\$0	\$0	\$0	0
226	\$0	\$0	\$0	0
227	\$0	\$0	\$0	0
228	\$0	\$0	\$0	0
229	\$0	\$0	\$0	0
230	\$0	\$0	\$0	0
231	\$0	\$0	\$0	0
232	\$0	\$0	\$0	0
233	\$0	\$0	\$0	0
234	\$0	\$0	\$0	0
235	\$0	\$0	\$0	0
236	\$0	\$0	\$0	0
237	\$0	\$0	\$0	0
238	\$0	\$0	\$0	0
239	\$0	\$0	\$0	0
240	\$0	\$0	\$0	0
241	\$0	\$0	\$0	0
242	\$0	\$0	\$0	0
243	\$0	\$0	\$0	0
244	\$0	\$0	\$0	0
245	\$0	\$0	\$0	0
246	\$0	\$0	\$0	0
247	\$0	\$0	\$0	0
248	\$0	\$0	\$0	0
249	\$0	\$0	\$0	0
250	\$0	\$0	\$0	0
251	\$0	\$0	\$0	0
252	\$0	\$0	\$0	0
253	\$0	\$0	\$0	0
254	\$0	\$0	\$0	0
255	\$0	\$0	\$0	0
256	\$0	\$0	\$0	0
257	\$0	\$0	\$0	0
258	\$0	\$0	\$0	0
259	\$0	\$0	\$0	0
260	\$0	\$0	\$0	0
261	\$0	\$0	\$0	0
262	\$0	\$0	\$0	0
263	\$0	\$0	\$0	0
264	\$0	\$0	\$0	0
265	\$0	\$0	\$0	0
266	\$0	\$0	\$0	0
267	\$0	\$0	\$0	0
268	\$0	\$0	\$0	0
269	\$0	\$0	\$0	0
270	\$0	\$0	\$0	0
271	\$0	\$0	\$0	0
272	\$0	\$0	\$0	0
273	\$0	\$0	\$0	0
274	\$0	\$0	\$0	0
275	\$0	\$0	\$0	0
276	\$0	\$0	\$0	0
277	\$0	\$0	\$0	0
278	\$0	\$0	\$0	0
279	\$0	\$0	\$0	0
280	\$0	\$0	\$0	0
281	\$0	\$0	\$0	0
282	\$0	\$0	\$0	0
283	\$0	\$0	\$0	0
284	\$0	\$0	\$0	0
285	\$0	\$0	\$0	0
286	\$0	\$0	\$0	0
287	\$0	\$0	\$0	0
288	\$0	\$0	\$0	0
289	\$0	\$0	\$0	0
290	\$0	\$0	\$0	0
291	\$0	\$0	\$0	0
292	\$0	\$0	\$0	0
293	\$0	\$0	\$0	0
294	\$0	\$0	\$0	0
295	\$0	\$0	\$0	0
296	\$0	\$0	\$0	0
297	\$0	\$0	\$0	0
298	\$0	\$0	\$0	0
299	\$0	\$0	\$0	0
300	\$0	\$0	\$0	0
301	\$0	\$0	\$0	0
302	\$0	\$0	\$0	0
303	\$0	\$0	\$0	0
304	\$0	\$0	\$0	0
305	\$0	\$0	\$0	0
306	\$0	\$0	\$0	0
307	\$0	\$0	\$0	0
308	\$0	\$0	\$0	0
309	\$0	\$0	\$0	0
310	\$0	\$0	\$0	0
311	\$0	\$0	\$0	0
312	\$0	\$0	\$0	0
313	\$0	\$0	\$0	0
314	\$0	\$0	\$0	0
315	\$0	\$0	\$0	0
316	\$0	\$0	\$0	0
317	\$0	\$0	\$0	0
318	\$0	\$0	\$0	0
319	\$0	\$0	\$0	0
320	\$0	\$0	\$0	0
321	\$0	\$0	\$0	0
322	\$0	\$0	\$0	0
323	\$0	\$0	\$0	0
324	\$0	\$0	\$0	0
325	\$0	\$0	\$0	0
326	\$0	\$0	\$0	0
327	\$0	\$0	\$0	0
328	\$0	\$0	\$0	0
329	\$0	\$0	\$0	0
330	\$0	\$0	\$0	0
331	\$0	\$0	\$0	0
332	\$0	\$0	\$0	0
333	\$0	\$0	\$0	0
334	\$0	\$0	\$0	0
335	\$0	\$0	\$0	0
336	\$0	\$0	\$0	0
337	\$0	\$0	\$0	0
338	\$0	\$0	\$0	0
339	\$0	\$0	\$0	0
340	\$0	\$0	\$0	0
341	\$0	\$0	\$0	0
342	\$0	\$0	\$0	0
343	\$0	\$0	\$0	0
344	\$0	\$0	\$0	0
345	\$0	\$0	\$0	0
346	\$0	\$0	\$0	0
347	\$0	\$0	\$0	0
348	\$0	\$0	\$0	0
349	\$0	\$0	\$0	0
350	\$0	\$0	\$0	0
351	\$0	\$0	\$0	0
352	\$0	\$0	\$0	0
353	\$0	\$0	\$0	0
354	\$0	\$0	\$0	0
355	\$0	\$0	\$0	0
356	\$0	\$0	\$0	0
357	\$0	\$0	\$0	0
358	\$0	\$0	\$0	0
359	\$0	\$0	\$0	0
360	\$0	\$0	\$0	0
361	\$0	\$0	\$0	0
362	\$0	\$0	\$0	0
363	\$0	\$0	\$0	0
364	\$0	\$0	\$0	0
365	\$0	\$0	\$0	0
366	\$0	\$0	\$0	0
367	\$0	\$0	\$0	0
368	\$0	\$0	\$0	0
369	\$0	\$0	\$0	0
370	\$0	\$0	\$0	0
371	\$0	\$0	\$0	0
372	\$0	\$0	\$0	0
373	\$0	\$0	\$0	0
374	\$0	\$0	\$0	0
375	\$0	\$0	\$0	0
376	\$0	\$0	\$0	0
377	\$0	\$0	\$0	0
378	\$0	\$0	\$0	0
379	\$0	\$0	\$0	0
380	\$0	\$0	\$0	0
381	\$0	\$0	\$0	0
382	\$0	\$0	\$0	0
383	\$0	\$0	\$0	0
384	\$0	\$0	\$0	0
385	\$0	\$0	\$0	0
386	\$0	\$0	\$0	0
387	\$0	\$0	\$0	0
388	\$0	\$0	\$0	0
389	\$0	\$0	\$0	0
390	\$0	\$0	\$0	0
391	\$0	\$0	\$0	0
392	\$0	\$0	\$0	0
393	\$0	\$0	\$0	0
394	\$0	\$0	\$0	0
395	\$0	\$0	\$0	0
396	\$0	\$0	\$0	0
397	\$0	\$0	\$0	0
398	\$0	\$0	\$0	0
399	\$0	\$0	\$0	0
400	\$0	\$0	\$0	0
401	\$0	\$0	\$0	0
402	\$0	\$0	\$0	0
403	\$0	\$0	\$0	0
404	\$0	\$0	\$0	0
405	\$0	\$0	\$0	0
406	\$0	\$0	\$0	0
407	\$0	\$0	\$0	0
408	\$0	\$0	\$0	0
409	\$0	\$0	\$0	0
410	\$0	\$0	\$0	0
411	\$0	\$0	\$0	0
412	\$0	\$0	\$0	0
413	\$0	\$0	\$0	0
414	\$0	\$0	\$0	0
415	\$0	\$0	\$0	0
416	\$0	\$0	\$0	0
417	\$0	\$0	\$0	0
418	\$0	\$0	\$0	0
419	\$0	\$0	\$0	0
420	\$0	\$0	\$0	0
421				



Factors Affecting Construction Costs

Estimating construction costs involves considering various factors that can significantly impact the overall expenses. Cyrus Safinya highlights the following key factors:

- Location and site conditions
- Size and complexity of the project
- Material selection and availability
- Labor costs and availability
- Permits and regulatory requirements
- Market conditions and economic factors
- Design and architectural features
- Scope of work and project specifications

Cyrus Safinya emphasizes the need for a thorough analysis of these factors during the cost estimation process. By considering them carefully, developers can avoid unexpected expenses and ensure a realistic budget.

Methods of Construction Cost Estimation

Various approaches can be used for construction cost estimation, depending on project requirements and available data. Cyrus Safinya provides insights into the following commonly used methods:

1. **Stick Estimating:** This method involves breaking down the project into individual components and estimating the cost of each item. It requires a detailed understanding of the construction process, materials, and labor.
2. **Parametric Estimating:** This approach utilizes historical data and establishes relationships between project characteristics and costs. It involves using predefined cost models and parameters to estimate expenses.
3. **Unit Cost Estimating:** Unit cost estimation involves determining the cost per unit of a particular element, such as square footage, linear footage, or unit quantity. This method is useful for repetitive projects or standard components.
4. **Cost Indices:** Cost indices are used to account for inflation and market fluctuations. It involves adjusting historical costs using an index value to estimate current or future expenses.
5. **Vendor Quotes:** Obtaining quotes from suppliers and contractors is another prevalent method. Cyrus Safinya advises developers to collect multiple quotes to ensure accuracy and competitiveness.

Valuable Tips for Construction Cost Estimation

To ensure effective cost estimation, Cyrus Safinya shares his valuable tips:

- "1. Collaborate with experienced professionals during the planning and estimation process.
2. Regularly update and review your budget to address any changes in project scope or market conditions.
3. Embrace technological advancements in construction software and tools for accurate calculations.

4. Maintain open communication with suppliers, contractors, and vendors to obtain the most competitive prices.

5. Consider contingency funds or allowances for unforeseen expenses."

Estimating construction costs is a critical aspect of any construction project, and accurate estimation is essential for budget management and project success. Cyrus Safinya's comprehensive guide provides valuable insights into the factors affecting construction costs, various estimation methods, and practical tips for effective cost estimation.

By following the expert advice of Cyrus Safinya and utilizing the appropriate estimation methods, developers and contractors can enhance their decision-making process and ensure successful project outcomes.

Estimating Construction Costs

by Cyrus R. Safinya (6th Edition, Kindle Edition)

★★★★☆ 4.2 out of 5

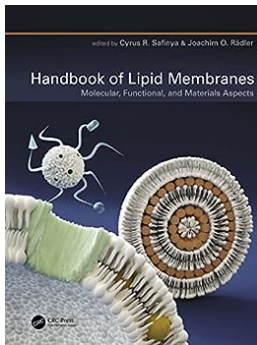
Language : English

File size : 29411 KB

Print length : 592 pages

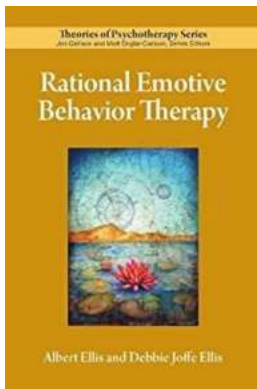
COST ESTIMATE				
PROJECT NAME: The Yakima Beaver Project				
A	B	C	D	E
Unit Number	Unit Cost	In-kind	Cash Match	Man
Quantity	Unit Cost	Man	Man	Man
Items included in the estimate and composition of unit prices, in dollars and cents				
1.00	\$60,000.00	\$60,000.00	\$0.00	\$0.00
2.00	\$27,000.00	\$0.00	\$0.00	\$0.00
3.00	\$1,000,000.00	\$1,000,000.00	\$0.00	\$0.00
4.00	\$0.00	\$0.00	\$0.00	\$0.00
5.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
6.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
7.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
8.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
9.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
10.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
11.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
12.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
13.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
14.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
15.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
16.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
17.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
18.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
19.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
20.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
21.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
22.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
23.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
24.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
25.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
26.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
27.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
28.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
29.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
30.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
31.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
32.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
33.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
34.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
35.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
36.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
37.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
38.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
39.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
40.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
41.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
42.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
43.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
44.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
45.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
46.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
47.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
48.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
49.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
50.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
51.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
52.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
53.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
54.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
55.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
56.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
57.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
58.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
59.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
60.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
61.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
62.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
63.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
64.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
65.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
66.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
67.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
68.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
69.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
70.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
71.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
72.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
73.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
74.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
75.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
76.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
77.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
78.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
79.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
80.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
81.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
82.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
83.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
84.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
85.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
86.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
87.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
88.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
89.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
90.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
91.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
92.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
93.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
94.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
95.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
96.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
97.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
98.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
99.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
100.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
101.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
102.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
103.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
104.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
105.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
106.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
107.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
108.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
109.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
110.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
111.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
112.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
113.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
114.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
115.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
116.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
117.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
118.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
119.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
120.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
121.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
122.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
123.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
124.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
125.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
126.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
127.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
128.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
129.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
130.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
131.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
132.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
133.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
134.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
135.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
136.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
137.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
138.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
139.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
140.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
141.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
142.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
143.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
144.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
145.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
146.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
147.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
148.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
149.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
150.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
151.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
152.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
153.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
154.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
155.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
156.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
157.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
158.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
159.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
160.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
161.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
162.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
163.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
164.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
165.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
166.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
167.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
168.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
169.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
170.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
171.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
172.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
173.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
174.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
175.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
176.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
177.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
178.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
179.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
180.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
181.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
182.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
183.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
184.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
185.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
186.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
187.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
188.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
189.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
190.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
191.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
192.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
193.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
194.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
195.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
196.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
197.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
198.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
199.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00
200.00	\$1,000,000.00	\$0.00	\$0.00	\$0.00

matter for the reader. Extensive new sections have been added on equipment including graders equipped with GPS and methods of calculating depreciation investment and operating costs of construction equipment. The computer estimating chapter is revised with additional material on the use of computers in preparing estimates for bidding purposes.



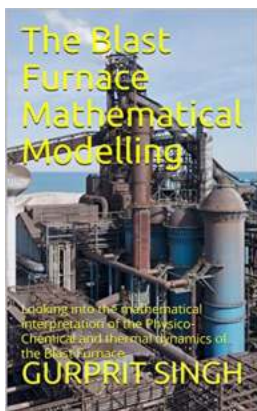
The Ultimate Handbook of Lipid Membranes: Unlock the Secrets of Cellular Structure!

Are you fascinated by the complex world of cellular structure and the membranes that hold it all together? Look no further! The Handbook of Lipid Membranes is here to guide...



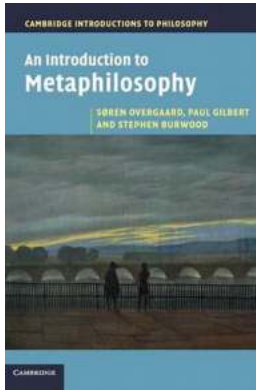
Unlocking the Power of Rational Emotive Behavior Therapy Theories - The Key to Positive Change

Discover the groundbreaking theory that revolutionized the field of psychotherapy by challenging common beliefs and empowering individuals to create...



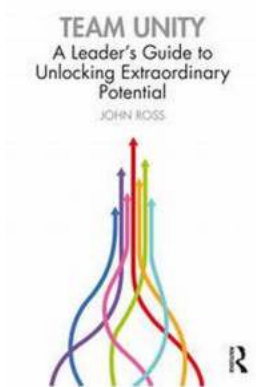
The Blast Furnace Mathematical Modelling: Unveiling the Science Behind High-Quality Steel Production

When it comes to producing high-quality steel that meets the rigorous demands of modern industries, the blast furnace is a crucial component in the steelmaking process. Made...



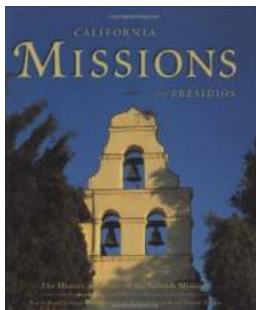
Unraveling the Wonders of Metaphilosophy: An Introduction to Cambridge Introductions to Philosophy

The Intriguing World of Metaphilosophy Have you ever pondered the nature of philosophy and its core principles? How do philosophers approach the fundamental questions...



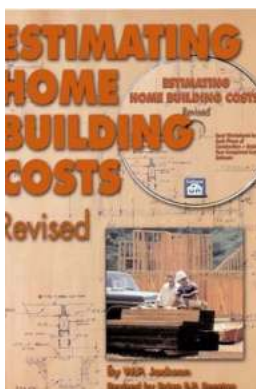
The Ultimate Leader Guide To Unlocking Extraordinary Potential: Unleash Your Team's Hidden Power!

As a leader, it is only natural to strive for greatness and help your team reach their fullest potential. However, unlocking extraordinary potential requires more than just...



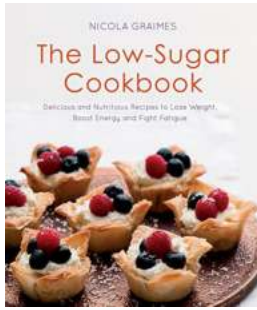
California Missions And Presidios - A Fascinating Journey into History by Randy Leffingwell

Are you ready for an extraordinary adventure into the rich history of California? Join us as we delve into the captivating world of California Missions...



Estimating Construction Costs by Cyrus Safinya: A Comprehensive Guide

Building a house or any structure involves careful planning and accurate cost estimation. Cyrus Safinya, a renowned expert in the construction industry, has shared...



The Low Sugar Cookbook by Nicola Graimes: A Delicious and Healthy Journey

In today's fast-paced and sugar-filled world, many of us are becoming more health-conscious and striving to make better dietary choices. The Low Sugar Cookbook by...