

Analysis of Cost Control Measures during Construction

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Abstract: by Enhancing the Standardized Management in the Construction Period of the Construction Project, the Management of the Construction Period, the Construction Safety and the Construction Quality Can Be Realized, and the Standardized Management of the Cost in the Construction Period Can Be Enhanced. by Strengthening the Cost Standardization Control in the Construction Period, the Construction Cost Can Be Reduced, and the Construction Party Can Obtain More Economic Benefits. and It Can Help the Construction Company to Achieve Internal Standardized Management and Control. by Enhancing the Cost Management, It Can Also Significantly Enhance the Overall Standardized Management Level of Construction Projects. Therefore, We Need to Attach Great Importance to the Construction Cost, So as to Ensure the Smooth Development of the Project.

1. Introduction

During the Construction Period, the Cost of Construction Almost Runs through All Stages of Construction. Use Scientific Methods to Control and Manage Each Stage, So That the Cost of Each Stage is Controlled in a Certain Range, So as to Control and Manage the Whole Project. the Implementation of the Project Cost Can Avoid or Solve the Problems in the Construction Process in Time, and Avoid Using Higher Funds to Build Low-Quality Projects and Reduce the Economic Benefits of the Construction side[1]. Therefore, the Scientific Control and Management of the Construction Cost during the Construction Period Not Only Improves the Construction Quality and Economic Benefits of the Construction Project, But Also Provides Convenience for the Later Work of the Construction Project.

2. Existing Problems of Construction Cost during Construction

2.1 Lack of Cost Management System during Construction

For most construction enterprises, there are many problems in the construction of construction cost system and platform construction. They ignore the structured management and have functional problems, which make it difficult for enterprises to make construction cost [2]. The cost of construction engineering has no specific structure of control management in terms of cost, organization and management, and the lack of structure and functionality is also reflected in the construction quality and efficiency of construction engineering. It makes the construction enterprises lack of effective management of construction cost.

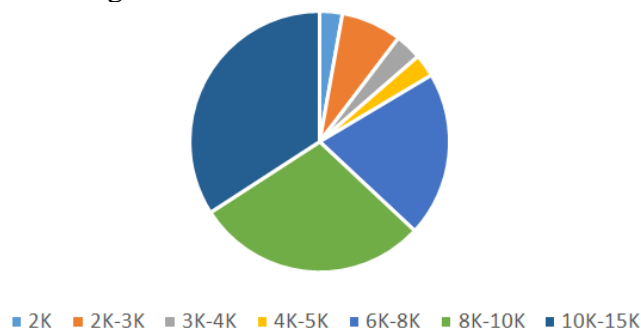


Fig.1 Project Cost Wage Price Table

2.2 Lack of Site Investigation on Architectural Engineering Design

For the cost personnel during the construction of construction projects, they need to go to the site for verification. The site is different from the drawings, the cost personnel need to go to the site for field inspection, and use scientific and standard construction technology to systematically verify. In fact, there is a big error between the site and the design drawings[3]. The cost personnel need to correct or mark the drawings according to the site to make them unified. On site verification also improves the standardization and technicality of cost personnel. Changing the design or construction will increase the design cost and construction cost of the construction project, to a certain extent, it exceeds the capital budget and thus increases the hidden danger.

2.3 Lack of High-Quality Cost Personnel during Construction

The management quality of cost personnel during construction is positively related to their work quality. In China, there is a lack of special training institutions for the quality and necessary skills of cost personnel and management personnel. In real life, it is difficult to build these institutions in construction enterprises, and they lack of development plans. All these reasons lead to the cost and the quality of management personnel can not be improved[4]. For some enterprises, because the salary is not ideal, they lose high-quality cost and management personnel. Therefore, when it comes to the cost of construction projects, the ability of project cost is low and the management effect is not good, so that the long-term development of enterprises is difficult.

2.4 Lack of Strictness on Budget Indicators of Construction Projects

In the process of construction, the construction unit and cost control personnel lack of strictness in the implementation of each project management, which is likely not in accordance with the project budget, resulting in a series of problems. For example, the control and management requirements of construction cost are fuzzy. In the end, the settlement is often larger than the budget fund or the error is formed with the actual fund[5]. Construction project cost is easily affected by market price factors, and the uncertainty of market price makes it necessary for cost personnel to understand the market price in advance. So as to reduce the gap between construction cost and budget funds.

2.5 Lack of Strictness in Review of Construction Drawings

In the review of construction drawings of construction projects, the review of construction drawings by technical personnel, management personnel and cost personnel of construction projects is not strict enough, which makes it difficult to control the dynamic management of construction cost during the quotation of construction personnel, making it difficult to detect problems in the structure and management of construction cost, and the capital of construction cost is often the final. There is a big gap with the reality. In real life, some economic problems or other problems will cause contradictions in the construction of construction projects, which also brings a certain degree of influence to the verification of construction drawings, the adoption of professional technology, the emergence of high quality, the effective control of cost and other important stages of development.

2.6 Lack of Comprehensive Understanding of Total Price of Construction Project

In the design of construction projects, the relevant personnel lack of comprehensive understanding of project pricing. They did not abandon the traditional fixed price method in the bidding of construction projects[6]. However, in order to improve the accuracy of construction pricing, the list pricing method is widely used in the world. This method makes the project cost have high accuracy, and can provide great help for the selection and judgment of the construction unit.

3. Cost Control and Management Measures during Construction

3.1 Construction Cost Control Management System

Various factors such as construction task and its own characteristics are needed to be considered comprehensively by construction enterprises to establish cost control management system, which is also the basis for cost work to play its function. Enterprises can build two departments of enterprise technology and cost management, and provide them with materials such as market information when the cost of construction projects needs[7]. The construction cost is minimized in this respect. On the other hand, it also improves the overall environment of construction cost control and management. The cost of construction projects combines the construction objectives and economic management objectives in depth, which makes the cost of construction projects get comprehensive management and control.

3.2 On Site Verification of Building Engineering Design

In the construction project, the relevant personnel need to combine the design drawings with the project site closely, and they need to carry out comprehensive verification according to the actual construction site and scientific technical conditions[8]. In the face of the deviation between the engineering design and the construction site, the relevant personnel need to conduct scientific research and Analysis on such problems, including the feasibility of the project implementation, and find out the solution to the problem to maximize the control cost.

3.3 Training High-Quality Construction Cost Personnel

Having high-quality construction cost personnel is the most basic condition of construction cost control and management. Establish relevant training and education institutions to train the theoretical knowledge and professional technology of cost personnel, and improve the basic construction of construction engineering control work[9]. When the construction enterprise recruits employees, it can make some willing high-level personnel enter the team of cost personnel.

3.4 Strictness of Implementation of Construction Project Budget Index System

Construction units and cost control personnel need to have a comprehensive understanding of the construction project budget index system. The control and management of construction floor cost shall be carried out in a unified standard, so as to make the construction cost process concrete, avoid the situation that the project cost is greater than the budget fund, and improve the preciseness of the construction cost.

3.5 Strictness of Implementation of Construction Drawing Review

Strict examination of construction drawings is the basis of cost control and management during construction. Comprehensively review the construction drawings of construction projects to avoid loopholes in a certain procedure or a certain detail, which is conducive to the dynamic management of construction project cost and achieve a series of goals such as project cost through the construction drawings.

4. Methods to Enhance the Control of Construction Cost in the Construction Period

4.1 Set Up a Sound Implementation Plan

In order to enhance the control of the construction cost, it is necessary to edit the construction organization design correctly. Therefore, when carrying out the construction of the construction project, it is necessary to contact the actual situation of the project and prepare the project implementation plan with high operability. In addition, some projects put forward certain requirements for the construction plan, and the construction unit needs to contact the design requirements And the contract content to complete the technical disclosure of the technical proposal, to ensure that the construction of the construction project can be carried out smoothly.

4.2 Correct Selection of Building Materials

In the process of construction, building materials need to be selected correctly, which can reduce the construction cost. For the construction unit, it is necessary to fully grasp the actual situation of the construction market, timely grasp the change of the market price of materials, correctly manage the use of funds, and grasp the flow of funds, so as to make the procurement approach of construction materials open and transparent, and then it is necessary to check the rationality of the purchase scheme of construction materials, so as to enhance the control of the construction cost. When selecting building materials, it is necessary to meet the construction demand and building function demand, correctly compare the price with the supply of raw materials, and meet the supply of construction. It also has advantages in material purchase price, so as to prevent the selection of materials with high cost performance ratio and purchase plan, prevent the waste of resources, and keep the project cost in a reasonable range. When purchasing construction materials, it is necessary to strengthen the management of purchasing approaches and processes to prevent the problem of drilling holes in the process of purchasing materials. Then it is necessary to set up a complete material procurement mobilization plan, adjust the material mobilization plan according to the construction progress, and carry out the inspection and sampling of material quality in advance, and strengthen the control of material quality before the material mobilization. After entering the site, it is necessary to check the use of materials, realize the correct use of building materials, and prevent the waste of materials during storage and use.

5. Conclusion

In recent years, the quality requirements of construction projects in China are increasing, and the investment of government departments or social enterprises is also increasing. It is very important to control and manage the construction cost reasonably during the construction period of construction projects. Construction enterprises should pay attention to the problems of construction cost during the construction of each construction project, realize the purpose of using limited funds to achieve high-quality construction, and maximize economic benefits. Generally speaking, the project cost management in the construction period is mainly for the project cost management in each period, to ensure that the control of the project cost in each period of the construction process can be enhanced, so that the overall project cost can be kept in a reasonable range. The sustainable development of the construction industry and the continuous increase of the development scale can guarantee the development of the later construction projects through the correct management of the construction projects. After the scientific management of construction cost, the investment cost can be significantly reduced, and the enterprise can obtain more economic benefits.

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