

# Analysis on the Fine Management of Municipal Engineering Construction

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**Abstract:** For the entire construction project, a scientific and rational construction management method has a great influence on the final construction quality and unit benefits. The fine management has reversed the drawbacks of the traditional extensive management methods, which can ensure that construction personnel strictly follow construction procedures and scientifically regulate construction, and at the same time, responsibilities are refined in all aspects of the construction process, and every link is strictly controlled, avoiding unnecessary losses such as waste. It can be said that fine management, to a certain extent, achieves a double harvest of corporate profits and construction quality, which is worth our further development and reference.

## 1. Introduction

The range of municipal engineering design is relatively wide, and the management work needs to be exhaustive. In addition, the relatively large number of uncertainties, relatively high goals, strict regulations, and some modern management methods. The municipal engineering involves roads, bridges, electricity, and gas. It involves many personnel, high construction costs, and has a certain dependence and influence on the surrounding environment. In addition, the construction process of the municipal engineering involves a wide range, so the process is relatively long. In such a long-term construction process, coupled with the interaction between various factors, leading to the existence of a variety of destabilizing factors in the construction of municipal engineering, such as the stakeholders involved in the project, environmental and natural changes, construction personnel and materials Impact and so on [1]. Municipal projects are directly related to people's lives and are an image of urban development. Guaranteeing quality is a heavy responsibility for municipal engineering construction workers. Therefore, municipal projects have higher goals and are more stringent in implementation. In the past, the management of municipal projects was more extensive. At present, the management of municipal projects has involved some modern management methods and has been changing toward modernization. This more advanced management approach requires more human resources to provide protection for enterprises and individuals who are not qualified or who are not qualified to participate in the construction of municipal projects through other means, thus ensuring quality from the source.

## 2. Status Quo of Municipal Engineering Construction Management

Municipal engineering construction units have old ideas and backward technologies, which cannot meet the growing needs of municipal engineering construction technology. As the process of urbanization has accelerated, the construction industry has developed faster and faster, and high-rise buildings have been lining up, and the personnel of the municipal engineering construction department have experienced relatively tense issues. The original municipal engineering companies have put in place certain projects due to the mobilization of interests. Subcontracting to some newly formed subcontracted companies with poor professional skills and weak sense of responsibility has caused the quality of municipal projects to be difficult to guarantee. The lack of quality awareness is one of the major problems in the construction process of the current municipal engineering construction units [2]. Incomplete municipal project archives The municipal engineering archives are the actual records of the municipal engineering construction and a microcosm of the city's development. With the acceleration of urban modernization, the infrastructure of the city is

constantly being updated and developed. All planning must be based on the existing municipal facilities. The source of all this is the municipal engineering archives. The construction of infrastructure such as municipal roads has been continuously improved, and the problem of neglecting the use of municipal archives still exists. During the construction of some road alterations and greening projects, the construction party failed to do a good job of investigating the infrastructure files, causing the position of the municipal water supply pipeline to be arbitrarily changed. The water supply valve wells were buried and greened. What is more, the violent construction caused the pipe network to burst, causing great inconvenience to the people's lives, and also affected the urban environment and social image. The municipal supervision system is still not perfect. At present, during the construction of the municipal facilities, there are serious problems in the overlap of the participating departments, the pushing and buckling between the property departments, and the repeated construction. "Digging and constructing and digging" not only seriously wastes financial funds, but also greatly affects the efficiency of the construction of municipal facilities. Although the municipal engineering as the main project of urban construction has received people's extensive attention, due to the importance attached to the economic benefits by leaders at all levels for many years, it has not really attached importance to the municipal engineering [3]. Therefore, the construction standards and specifications in the municipal engineering are still Where there are unsound places, and the responsibilities and authorities of the leading departments are not clear, it is impossible to truly supervise and control the construction quality of municipal projects, which provides convenience to the municipal engineering construction department, and some municipal engineering enterprises are pursuing the greatest interests. In the construction process, workers cut corners and materials, and the materials used do not meet the standards required by the project, causing the normal operation of municipal projects. The supervision organization is not perfect, and the supervision result is not enough to meet the requirements. Establishing supervisors to hold certificates and registration systems is an effective measure to maintain supervisory order, ensure the quality of supervision personnel and supervise project quality. Due to the current unsound market for construction supervision in China, and the imperfect supervision and management mechanisms, individual understanding of supervision work is biased. Many certified staff are unable to take up posts due to their multiple qualifications, while other supervisors on the job are not certified. Qualified for supervision. At the same time, the training work of the supervisors is sometimes in a formal form and the effect is not obvious, which has had an adverse effect on the supervision work and the construction of the supervision team. The quality of the supervision is not guaranteed. In the inspection process of the project, the supervisors will be somewhat obstructed by the construction unit personnel. In response to this phenomenon, some supervisors think that it is better to do more than one thing. Therefore, there are thoughts that have passed and passed, and the inspection on the spot is not strict. Such an inspection with one eye closed is not conducive to guaranteeing the construction quality of municipal projects.

### **3. Recommendations to Strengthen Municipal Engineering Construction Management**

Affiliated projects are mainly used to build municipal quality projects, and they are the key components of the main project. The core of the project is the construction of refined operations. In order to ensure the safety and quality of municipal projects, it is imperative to formulate corresponding technical response methods and treatment countermeasures for safety and quality commonalities as well as safety and quality issues that are easily overlooked, and ultimately improve the overall construction technology standards of ancillary engineering projects [4].

Regardless of what kind of project is inside, the quality control of construction companies is all the basis, and the supervision of the supervision department is the most critical. Appropriate use of legal methods is used to monitor the contract management, project cost, project quality and progress. The key to supervision is mainly the quality of the project and its schedule, and coordination of all relevant departments in the production process. First, we must have a strong municipal project supervision team. The supervision of municipal projects belongs to a group of projects with multiple tasks, heavy tasks, and difficult construction tasks. As a comprehensive project, the

municipal engineering project must not only possess the professional knowledge of the road and bridge engineering, but also have expertise in drainage. Second, relevant equipment and equipment suitable for quality supervision of municipal projects must be available. In some of the smaller cities, the quality inspection equipment and instruments of the municipal engineering are relatively backward and outdated. Some supervision units even lack the quality inspection instruments of the municipal engineering, thus causing great difficulties for the project. However, the quality monitoring of municipal engineering projects is based on the combination of high-tech equipment and equipment. Therefore, the supervision unit must configure well-developed testing equipment and instruments so that advanced machinery and outstanding talents can be combined to increase supervision units. Monitoring capabilities.

Responsible persons must conscientiously implement the Measures for the Administration of Bad Record of Quality Responsibility of Construction Projects and Related Units issued by the Ministry of Construction, and the quality obligations of project quality inspection units, construction units, design units, and construction units in violation of laws, regulations, and regulations. Record and record the status of responsible behavior. Relevant entities should remove substandard project quality responsibility from the construction market to ensure project quality. It is imperative to improve the sense of mission and sense of responsibility of the project. Each municipal public facility in the city is a part of the system as a whole. If quality is found, it will definitely cause incalculable losses to the people and the country. In addition, we must learn and then use the practical experience of focusing on project quality in order to improve the quality level and implement self-improvement.

In order to enhance project quality, we must first establish a responsibility system that is responsible at various levels. Regardless of the size of the project, government departments and their functional units should appoint someone to take responsibility for the implementation of the responsibility for the overall quality of the project leader. In the aspects of supervision, construction, design, and exploration, it is imperative that each node participating in the project is responsible for the actual division of labor. The responsibility must be specifically attributed to a person, and any link must be investigated for any responsibility. Human responsibilities.

In order to strengthen quality control and management, it is necessary to start with examining various aspects such as construction supervision. First of all, in the period when the municipal pipeline construction plan is submitted for examination and approval, it is necessary to strengthen the review of drawings, information verification, etc., and improve various information of construction supervision agencies. In the construction process, the quality of construction materials is strictly checked to avoid the phenomenon of cutting corners and materials, but also to avoid waste. The supervisory agencies do a good job of supervision, grasp the implementation progress and construction conditions of the project at any time, and strictly require workers of all types Take up posts to ensure construction safety and avoid accidents. In the construction process, because there are multiple specialties and multiple projects involved, in order to avoid confusion, reasonable time should be allocated. For example, according to the requirements for the depth of pipeline burial, from deep to shallow, the construction time of various professional workers shall be arranged in order to achieve orderliness and avoid confusion. The use of scientific and rational construction technology design will continuously update the project detection system and development system. In the course of the construction of the municipal project, the construction team will be continuously regulated, and the relevant construction standards and technical points will be observed. Once any occurs during the entire construction process Issues such as safety and quality should be promptly formulated with an emergency plan system and effective solutions. At the same time, before the construction of the project, do a good job in the investigation of the accident site, and then continue to optimize the construction program [5]. Under the condition of ensuring the safety and reasonableness of the project, comprehensively measure the construction efficiency and progress control, and do a good job in the coordination of relevant management departments. Ensure that the construction period and construction cost are within the controllable range.

#### **4. Conclusion**

Fine management is a new type of management concept. Its application in the construction of construction projects has changed the past mode of operation, starting with the refinement, effectively implementing each management measure during the entire construction project construction process, and ensuring construction quality. To increase construction efficiency, speed up construction progress, and actively build out-of-the-art construction projects.

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