

# Research on Municipal Engineering Management based on Urban Construction

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**Abstract:** With the development of national economy, people's living standard is increasing day by day. Living environment is also changing constantly, and higher requirements are put forward for the construction of the city where they live. Therefore, the study of municipal engineering management based on urban construction is put forward. This study puts forward new construction significance by analyzing existing problems and flaws in urban construction.

**Keywords:** Urban construction, People's life, Municipal engineering, Management

## 1. Introduction

In recent years, the form of economic development in China has been very rapid, and people's living standards have also improved. With the continuous improvement of living environment, the people's demand for quality of life is also constantly improving. And all the above needs are met by municipal engineering. This is also a new requirement for the quality of municipal engineering put forward by our society. Municipal engineering construction site management can improve the quality of construction, so the relevant departments must do a good job in controlling the objective factors in the construction stage of municipal engineering site. As long as the construction management of municipal engineering site is strict, the irregular construction behavior of municipal engineering construction site can be effectively improved, thus indirectly helping municipal engineering realize its original social service value<sup>[1-3]</sup>.

The quality assurance of municipal engineering is the core part of the whole construction management stage of municipal engineering, because the level of buildings and quality in municipal engineering will directly determine whether the social value of municipal departments can be realized<sup>[4-5]</sup>. The on-site construction progress of municipal engineering has always been a very important point. In order to catch up with the construction period, many construction contractors choose to carry out municipal engineering construction in violation of site construction management norms. The inevitable result of this is that the quality of municipal engineering construction is directly reduced. Moreover, the illegal operation in this process will bury a serious hidden danger to the whole construction process.

## 2. Defects in Municipal Engineering Construction Management

The main environmental problems arising from the construction of municipal engineering are "municipal engineering is a relatively comprehensive project". Municipal construction is to better serve the people and improve the lives of residents. However, some environmental problems will inevitably arise in the construction of municipal construction, mainly concentrated in waste, waste gas, waste water, noise pollution and so on. The first is the waste of Engineering construction. Municipal engineering construction will produce a lot of waste, such as fences, escalators, waste nets and so on. During the whole construction process, some non-recyclable construction waste will be produced. Most construction enterprises pay little attention to the management of waste, fail to achieve scientific classification and recycle by category. These construction wastes occupy space, in addition to pollution in the short term, there may be some potential safety hazards.

In addition, there may be some cyclic pollution, which has a great impact on the living environment of the surrounding residents, and may even affect the whole city's environmental beautification work. The second is waste gas pollution. There are some gas pollution and pollution in municipal engineering construction.

Dust pollution, etc. For example, in the use of some large-scale equipment, a lot of dust and particulate matter will be produced, which will aggravate air pollution. For example, some types of work, such as concrete mixing, will also produce a lot of particulate matter, which undoubtedly has a great impact on the air quality in small areas. In special seasons, such as before the winter cold wave weather, it can also cause haze, endangering the

health of citizens. The third is wastewater pollution. For example, in sewage management and reconstruction projects, sewage often exists due to the repair of water pipes. For example, some large construction sites will have some industrial wastewater, which contains a lot of heavy metals, directly discharged, affecting regional water quality, resulting in direct pollution. The fourth is noise pollution. Scientific research has proved that noise has a direct effect on human body.

Injuries affect people's physiological function and mental health. Noise in municipal construction is caused by the use of large machinery, including pile driver, cutting machine, shearer and so on. In addition, the whistling of engineering vehicles and continuous construction at night will produce a lot of noise. These noises directly affect the lives of citizens in the region. In real life, many citizens reflect that the doors and windows should be closed for any project to be repaired. The purpose is to isolate sound and dust, which is also a helpless move of the citizens. Therefore, before solving the environmental protection problems in municipal construction projects, we must understand the aspects and hazards involved in these environmental pollution.

### **3. New Strategies of Municipal Engineering Management in Urban Construction**

#### **3.1. Focus on civilized construction management**

It is well known that "civilized construction management" refers to supervising and guiding the civilized construction of the construction team on the construction site under the condition that the construction progress of municipal engineering can be maintained in a normal state. It not only requires the construction personnel to carry out the project tasks in strict accordance with the operation process, but also requires that the whole construction phase of the construction project should not interfere with the normal life of the people around the construction site. At the same time, waste discharges during municipal engineering construction should be avoided to pollute people's living environment.

#### **3.2. Improve the consciousness of construction site management**

Improving the personal awareness of municipal engineering construction site managers has a great impact on the quality of their engineering projects. If the construction site managers can be highly conscious, then they can be calm in the command of municipal engineering construction. Moreover, the municipal engineering construction management personnel understand the importance of site management, can guide them to better conduct on-site safety publicity and command work. Their management consciousness is also helpful to the establishment of construction site management system.

#### **3.3. Do a good job in training and management of construction workers**

Municipal engineering construction site management system requires professional training and management of construction personnel. This shows that the professional level of construction personnel can determine and affect the quality of municipal engineering construction. From this point of view, it is necessary to manage and train the construction personnel. Through the training, the construction personnel can better apply the theoretical knowledge to the actual construction operation. In addition, the purpose of training management is also to improve the safety responsibility consciousness of construction personnel.

#### **3.4. Establishment and improvement of construction site management system**

Whether in our ancient society or in our present society, there are laws and regulations to restrict the behavior of the people, which shows that the establishment of management system is conducive to the harmonious and stable development of society. Therefore, in China's municipal engineering construction, there should also be a management system used to restrict the labor behavior of construction personnel. At the same time, this set of management system is established on the construction site of municipal engineering, which can also be used for reference by construction personnel to carry out the task of municipal engineering construction. Therefore, the relevant management departments are required to establish a sound construction site management system in municipal engineering construction.

### **4. Concluding Remarks**

Municipal engineering construction in a city is critical to people's living standards, so reasonable management of municipal engineering can avoid many unsafe hidden dangers and improve safety awareness. Set up a good disposal mechanism after the occurrence of urban industrial environment. After problems occur, we must have a scientific and effective handling mechanism. In the actual municipal construction projects, it will affect the surrounding residents and the environment in some degree. Therefore, the municipal administration departments should assist the supervision enterprises to establish, improve and implement the treatment mechanism after environmental pollution. In practice, some construction units will first have a plan for the possible types of environmental pollution and pollution solutions. According to the different types of projects, it is a more scientific approach to choose appropriate means and intensity of pollution treatment and to make preparations. What we need to pay attention to is that after the pollution happens, we must pay full attention to it, do not cover up the factual

errors, deal with it scientifically and timely, and minimize the adverse effects of pollution accidents is the correct way. China Dream is a dream that benefits every Chinese. Municipal construction is to improve people's happiness at the present stage. Municipal construction should start from the perspectives of not disturbing the people, improving management and establishing a good disposal mechanism after environmental pollution to minimize environmental pollution and protect regional ecological environment.

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