

FACULTY OF ENGINEERING  
DEPARTMENT OF CIVIL ENGINEERING  
**SITE VISIT - REPORT**

**DATE: Monday, 17 JUNE 2019**

**TIME: 10:00am to 1:00 pm**

**VENUE: Bengulraih circle, Kengeri-Tavarekere Road ,Bangalore**

**NAME OF THE COMPANY: Public Works Department, Bangalore**

**STUDENTS OF: B.TECH & M.TECH Final Year Students**

**FACULTY MEMBERS: Prof Laxmi, Dr Sirisha, Prof Yogesh & Prof Adarsh**

**Objective**

The main objective of the site visit was to bridge the gap between the industry and academia and to meet the curriculum demand. The students of VII Semester BTech in Civil Engineering are studying the course CE735 – Bridge Engineering. To provide practical knowledge to the students of the ongoing bridge construction work, the students were taken to the site. The ongoing bridge is a single span Reinforced Concrete deck slab bridge of span 10.42 mts. The estimated cost of construction is Rs. 88 Lakhs. The bridge connects Ramohalli to Moligondanahalli via Kengeri-Tavarekere road in Bangalore South.

The session began with an introduction to the project by Mr Narayanagowda, Assistant Engineer, Public Works Department, Bangalore. He was very keen to know what the students expected from this visit to make it more fruitful. He explained about the technical aspects of the project in brief and the safety measures to be taken at the site during the visit.

He explained about the basic components of a bridge like abutment, wing wall, deck slab, approach slab etc. During the visit, the construction of Abutments was in progress so the detailed and working drawing of the abutments was explained to the students. Students were also exposed to the process of reading and understanding the working drawings at the site. The students also had an opportunity to observe the reinforcement details of some elements of a bridge. The concept of weep holes, pitching was explained in detail. The challenges faced during the construction work and the methods to overcome were also discussed.

The students also visited some of the minor bridges (culverts-Box type) on the way back and had a very good practical insights.

The visit ended with feedback, questionnaire and sharing the ideas of the site visit with the Assistant Engineer.



**1. Picture showing the abutments under construction**



**2. Picture showing the Facbrication of Reinforcement fo the abutment**

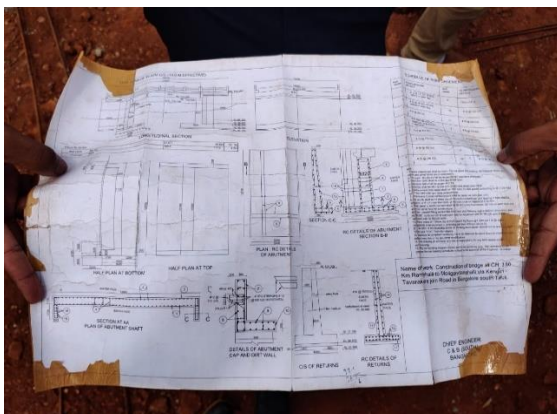




**3. Picture showing the Engineer-in-charge explaining the components of Bridge in the drawing**



**4. Picture showing the Students and the Faculty at the site of construction.**



**5. Picture showing the image of the bridge drawing and the formwork in progress**

The students of III Semester MTech –Structural Engineering were also taken along with the VII Semester BTech as it is related to the analysis and design of bridge structure, which is part of their curriculum too.