

---

# Ankit Umesh Dhoot

Mumbai | +91-9325610021 | [ankit.udhoot@gmail.com](mailto:ankit.udhoot@gmail.com)

---

I am looking forward for an opportunity where I can utilize my skills and contribute effectively for the success of the organization that gives scope to enhance my knowledge, skills and to reach the success in this field with complete dedication and work.

- **Competent Structural Engineer with experience of more than 6 years in Design**
- **Masters in Structural Engineering from, V.J.T.I, Mumbai**
- **Technical Skills in MS-Office (Word, Excel & PowerPoint), STAAD pro, Pile Cad, Midas (Basic)**
- **Familiar with Indian standards like IS800:2007,1984, IS 456:2000, IRC 112**
- **Expertise in design of Enabling Structures, steel structures, planning construction methodology, tender quantity**
- **Quick learner, confident, passionate about work, good communication skills & flexible**

## PROFESSIONAL EXPERIENCE

---

**Larsen & Toubro (Transportation Infrastructure IC)**

**Feb 2018 –Present**

*Asst. Engineering Manager*

### **Western Dedicated Freight Corridor**

- Design of 48.3 m steel composite girder for DFCC loading
- Design, drawing and construction methodology of contiguous piles at balaram bridge for the construction of abutment
- Design, drawing and construction method using sacrificial arrangement for deck slab of closed box Girder for rail flyover

### **Delhi Vadodara Road Project**

- Proof checking of design and drawing of launching Girder for 50 m span strutted box girder for animal underpass
- Design of cast in situ arrangement of 50 m span cast in situ strutted box girder using I&T formwork system
- Design and drawing of casting bed for I girder
- Design of floating beam for pre tensioning system

### **Mauritius Metro express project**

- Proof checking of design and drawing of erection of 62 m steel truss using push launching method

### **Tallah ROB, West Bengal**

- Design, drawing, erection sequence & construction method scheme for push launching of 52m span bow string girder near the Tallah railway station in West Bengal

### **Delhi International Airport**

- Design and drawing of temporary steel bridge for construction vehicle
- Design and drawing of structural steel shed for crusher bed and batching plant
- Design and drawing of steel water tank
- Design and drawing of initial pile load test using reaction pile
- Design and drawing of initial pile load test using rock anchor
- Design and drawing of initial pile load test using kentledge
- Design and drawing of gantry track foundation of 125 mt gantry
- Design and drawing of lifting beam for box culvert and hume pipe
- Design and drawing of supporting arrangement details of pier and pier cap

### **Mumbai Nagpur Expressway**

- Design and drawing of movable steel portal
- Design of steel arch and steel column over the crash barrier
- Supporting arrangement drawing for box girder structures.
- Supporting arrangement drawing for underpasses, pier, pier-cap
- Erection scheme for lifting of steel girder and psc i girder

### **Dwarka Expressway, Haryana**

- Design and drawing of supporting arrangement for casting of 3 m depth portal pier cap
- Design and drawing of supporting arrangement for 2.5 m depth m portal pier cap with vehicular movement arrangement
- Design and drawing of supporting arrangement of portal pier cap passing over the culvert
- Supporting arrangement details of stitch concrete between adjacent cantilever segments
- Design and supporting arrangement for circular pier, trapezoidal pier cap

### **Integrated transit corridor Development Near Pragati Maidan, New Delhi**

- Design and drawing of shoring arrangement for railway underpass using secant piles with strut and sheet pile
- Design and drawing of 24 m, 20 m, 16 m & 12 m truss to be installed over underpass
- Design and drawing of temporary supporting arrangement using sheet pile at main tunnel location
- Design of steel frame for box pushing at pragati maidan end location
- Construction methodology drawing for cast in situ portion of main tunnel using deck sheet and secant pile

### **Villukuri-Kanyaumari Road Project, Tamil Nadu**

- Design and drawing of shoring arrangement for excavation near railway track
- Erection scheme for lifting of precast i girders
- Design of sub structure for steel staircase of foot over bridge.

### **Mumbai Vadodara Expressway**

- Proof checking of design and drawing of 40m long Space frame for Toll Naka for Mumbai Vadodara Road Project
- Design and drawing of shoring using soldier piles for casting pile cap
- Supporting arrangement for construction of deck Slab, pier cap & underpasses for various location

### **Miscellaneous**

- Design of temporary retaining wall for ramp using sandbags in Chandigarh karar road project
- Standardization of labor camp drawings for site
- Proof checking of steel girder fabrication drawing
- Design of sacrificial deck panel over rob for Manwath Beed road project

- Erection scheme method for lifting of 57 m steel girder over road for Manwath Beed road project
- Design of bus shelter for Dholera project

**Gammon Engineers and Contractors Pvt. Ltd, Mumbai**

**Aug. 2015 –Feb 2018**

*Asst. Manager Design*

**Key Responsibility areas:**

- Design of various Enabling structures required for different components of the projects
- Modelling and Analyzing of the different structures on STAD
- Designing of the structure keeping in view the availability of the material available at site
- Preparing drawings as per the design inputs to be submitted to site
- Preparing different erection schemes depending on the site conditions
- Preparation of DBR (Design Basis Report), Design Documents and General Arrangement and Detailed Drawings.
- Maintaining Daily Progress Report of Project work.
- Coordination with Draftsman, Site Engineers, site etc.

**Projects**

**GOA FLYOVER: Flyover and Roadworks**

- Design of casting bed for 600 ton load for Pre-cast construction of 25m PSC girder
- Design of supporting arrangement for post-tension girder, Integrated Deck slab using Conventional steel material, RMD material
- Design of supporting arrangement for Pier, Pier-cap, Deck Slab
- Design of arrangement for conducting of Pile load test
- Design of Spreader Beam for lifting of spreader beam
- Planning different schemes for erection of I-girder

**JAMMU & KASHMIR - Flyover, Bridge and Roadworks:**

- Design of Cantilever construction Gantry and its components for construction of 70 m span Box girder of Jaiswal bridge
- Design of different supporting arrangement for casting of pier, Pier-cap, abutment, abutment cap etc
- Design of different supporting arrangement for casting of in-situ RCC/PSC girders
- Preliminary design of Truss for the construction of Cut and Cover tunnel
- Design of Freezing arrangement of bearings

**KOLKATA – RVNL METRO:**

- Design of sheet pile for the construction of underground water tank
- Design of cantilever sheet pile for the construction of pile cap
- Design of supporting arrangement for station building
- Design of supporting arrangement for pier, pier-cap, I-girders for moving traffic
- Design of barricading along the road side

**TEZPUR-NEW BRAHMAPUTRA BRIDGE:**

- Stability analysis and planning of construction sequence and checking structural stability for caisson of well foundation
- Designing of tethering arrangement of caisson

**OTHER PROJECTS:**

- Analysis of 76.2m truss for construction of adjoining span using cantilever construction method

- Estimating quantity of steel required for various tender projects
- Preliminary scheme for well load test

## ACADEMIC PROJECTS

---

### M.Tech Project :

- Performance of silica fume modified high strength concrete at elevated temperature due to boiling water.
- Study of various non destruction technique to detect crack, voids, delamination in bridge. also the study of acoustic impact echo investigation of concrete delaminations using liquid droplet excitation.

### B.E Project :

- Study of soft computing techniques and application of fuzzy logic in assessment of noise pollution. here noise level sample were collected across the pune city at more than 165 places and assessment was made by plotting the graphs on matlab.

## ACADEMIC AND PROFESSIONAL DEVELOPMENT CREDENTIALS

---

### MASTER IN STRUCTURAL ENGIERRING, 2013-2015

V.J.T.I with 7.39 Percentile

**Gate 2013** qualified with 97.3 percentile

**B.E**, 2008-12

AISSMS, COE

Pune University with **68 %**

**HSC, 2006-08**

Prathiba Niketan Jr. college with **72.67 %**

**SSC, 1996-06**

G.M.V.V with **82.4 %**

### PERSONAL DETAILS:

---

Date of Birth: 19<sup>th</sup> Sept 1990

Nationality: Indian

Gender: Male

Languages: English, Hindi, Marwari & Marathi

Marital Status: Married

Hobbies: Reading books, Playing basketball, table tennis etc

Declaration:

All of the above-mentioned details are true to the best of my knowledge.

Place: Mumbai

Date: / /2021

ANKIT UMESH DHOOT