

# MUHAMMAD SOHAIB

## QA/QC Material Engineer (Civil)

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### Professional Summary

**QA/QC Material Engineer** with over 30 years of experience in **Road / highway and bridge construction projects**. Expert in mix design, quality management systems, material testing and laboratory audits in compliance with **AASHTO, ASTM, BS, MOT and SASO** standards. Proven ability in **material submittals, ITP/QAP implementation**, third party coordination, and **NCR corrective actions** to ensure full project compliance and durability.

### Core Competencies

- Expert in material testing of soil, concrete and asphalt.
- Skilled in preparation, review, and maintenance of QA/QC documentation.
- **Proficiency in mix design for Aggregate Base Course, Asphalt, and Concrete.**
- Strong knowledge about the **AASHTO, ASTM, BS and Saudi (MOT/SASO)** standards.
- Plant and laboratory audits (quarries, batching operations and crushers)

### Technical skills

- Microsoft Word and Excel
- AutoCAD
- Laboratory management
- ITP/QAP implementation
- Concrete mix design
- Asphalt testing
- NCR corrective action
- Plant & Quarry Audits

### Work Experience

**Al Haramain Company for Commerce & Contracting. (Turbah, Saudi Arabia) 25 March 2019-Present**

- Working as a **QA/QC Material Engineer (Civil)**.
- Working on the **Haden to Turbah road Phase-2 Length 56 km project (Ministry of transport, Saudi Arabia)**.
- Performed quality tests as per AASHTO, ASTM, BS and Saudi (MOT/SASO) standards.
- Selected suitable soils for embankment/subgrade, prepared ABC and Hot Mix Asphalt mix designs.
- Conducted all concrete mix designs, and managed quarry selection and quality control for ABC, bituminous courses, and concrete.
- Prepared concrete mix designs for grades C28 and C38 using batching plant facilities for supply to Saudi Electricity Company, Alfanar Projects, M/S Kalpataru IBN Omirah LTD and Al Sharif group & KEC Ltd.
- Participated in **FATs** and **SATs** related to the production facilities and materials.

**Military Engineering Service Pakistan (MES)**

**01 December 2017-03 December 2018**

- Worked as a **Material Engineer (civil)**.
- Tested building and roadway construction materials in the laboratory, making sure that every test process adhered to the necessary criteria.
- On delivery to the site, I checked material approvals and conducted internal inspections while overseeing the execution of test and inspection plans (ITPs) to make sure all protocols were followed.

**Makah Development Authority (Under Saudi Consult Center)**

**12 April 2016-31 March 2017**

- Worked as a **QA/QC Material Inspector (civil)**.
- Worked on the **Second Ring road (Kakia Interchange & Tand Bawi Interchange), Length 05 km**.
- Performed testing, inspections, and site surveillance every day to make sure the project standards were being followed.
- Evaluated the material suitability according to the local environmental and climatic conditions of Makkah.
- Maintained the quality of the ready-mix concrete and hot mix asphalt while coordinating with third-party testing.
- Conducted all field and soil tests and oversaw plant and site inspections (crushers and asphalt concrete).

### **Saudi Consult Center**

**16 May 2009- 11 April 2016**

- Worked as a **QA/QC Material Inspector (civil)**.
- Worked on multiple projects including
  - Jabal Mashnavi Road & Sabya Bridge
  - Al Haqo – Al Farsha Road
  - Aseer Region Phase 1 & 2 (37 km)
- Reviewed material submittals and supervised construction quality.
- Ensured compliance with **Ministry of transport, Saudi Arabia**.

### **Punjab Highway Department, Faisalabad, Pakistan**

**19 December 2003-15 May 2009**

- Worked as a **Sub Engineer**.
- Supervised Construction of the **Chiniot Ring Road**.
- Manage material testing and laboratory operations.
- Supervised highway and bridge projects from inception to completion.

### **Punjab Highway Department, Faisalabad, Pakistan**

**19 September 1993-December 2003**

- Worked as a **Highway Inspector**.
- Supervised the **construction of new T.S.T. road**, Maintenance of road, and structural work.

### **Education**

#### **B. Tech Hons in Civil Technology**

**January 2007-December 2008**

- Newport Institute of Communication & Economics, Karachi, Pakistan.
- CGPA: **3.00**

#### **B. Tech Pass in Civil Technology**

**January 2004-August 2006**

- Newport Institute of Communication & Economics, Karachi, Pakistan.
- CGPA: **3.17**

#### **Diploma of Associate Engineer**

**1994**

- Punjab Board of Technical Education, Lahore, Pakistan.

#### **Matriculation**

**1989**

- Govt. M.C. High School, Faisalabad, Pakistan.
- Obtained marks in the **1st division**.

### **Certifications**

- Superpave certificate issued by **M.O.T. Saudi Arabia**.
- Certified ISO 9001 lead auditor No: 45656/ **The Knowledge Academy UK**.

### **Membership**

- Graduate membership as the **Technical Engineer** of the **Saudi Engineering Council No. (154611)**.

### **Language**

- English
- Urdu
- Arabic

### **Soft skills**

- Leadership qualities
- Critical thinking
- Project management
- Time management