

# HUSSAM KHALED AL-SAFADI

Civil Engineer – Specialist in Roads, Bridges & Infrastructure

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## Contact Information

- **Location:** Hail, Saudi Arabia
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## Professional Summary

Experienced Civil Engineer with over 10 years of specialized expertise in roads, bridges, and infrastructure projects. Proven success in managing and executing large-scale construction initiatives, overseeing asphalt and crusher plant operations, and coordinating with government agencies for seamless project delivery. Highly skilled in cost estimation, technical design, and team leadership, committed to delivering safe, efficient, and sustainable engineering solutions.

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## Core Skills

- **Project Oversight:** Strong background in monitoring project progress, compiling detailed reports, and ensuring timely achievement of project milestones.
  - **Team Leadership:** Proficient in overseeing and mentoring engineering teams, enhancing productivity and maintaining effective collaboration.
  - **Budget Management:** Experienced in cost estimation, budget management, and procurement of equipment and materials.
  - **Technical Expertise:** Skilled in using advanced design software (AutoCAD, Civil 3D) for infrastructure planning, road and bridge design, and creating shop and as-built drawings.
  - **Regulatory Compliance:** Adept in navigating governmental transactions, ensuring projects meet local standards and regulatory requirements.
  - **Languages:** Arabic (native), English (proficient)
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## Professional Experience

### Projects Manager – Highway & Infrastructure Engineer

*AL-Hamazani for Contracting, Hail, Saudi Arabia*  
2022 – Present

- **Pricing and Cost Estimation:** Developed accurate pricing and cost assessments for governmental and private sector projects, enhancing financial planning and project viability.
- **Government Agency Coordination:** Managed transactions with the Hail Region Municipality, ensuring full regulatory compliance and facilitating approvals.

- **Material and Supply Chain Oversight:** Supervised the procurement and supply of raw materials, coordinating closely with Aramco for timely material provision.
  - **Asphalt Batch and Crusher Plant Management:** Oversaw productivity, quality control, and workflow at asphalt batch plants and crusher plants, ensuring adherence to safety and production standards.
  - **Project Responsibilities:**
    - Implemented pavement layers (subgrade, topping, subbase, base coarse) across major projects.
    - Supervised asphalt mixing processes (binder & wearing) and flood prevention systems to mitigate risks effectively.
  - **Technical Contributions:** Produced precise shop and as-built drawings using Civil 3D and AutoCAD, ensuring project accuracy and efficiency.
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### **Senior Civil Engineer – Roads, Bridges & Infrastructure**

*Haymoor Cousins & Partner Co. (HCC), Zarqa, Jordan*

*2019 – 2022*

- Senior Civil Engineer for the Amman-Zarqa Bus Rapid Transit (BRT) Project, Package No. 4, commissioned by the Ministry of Public Works and Housing, covering the section from km 15+320 to km 19+553.
  - **Asphalt Batch and Crusher Plant Operations:** Managed logistics for material supply to construction sites, ensuring timely delivery for seamless project progression.
  - **Project Responsibilities:**
    - Executed multiple pavement layers, including subgrade, topping, subbase, and base coarse, with precision.
    - Supervised asphalt application at specified thicknesses (5 cm and 7 cm) to meet project specifications.
    - Established and improved stormwater drainage networks, alongside the installation of water supply pipes of varying diameters.
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### **Senior Civil Engineer – Highway Design & Technical Office Lead**

*Al-Thara Taiba Trading & Contracting Co., Madinah, Saudi Arabia*

*2016 – 2019*

- **Government Liaison:** Facilitated transactions with the Madinah Region Municipality to secure project approvals and ensure regulatory compliance.
- **Project Responsibilities:**
  - Designed and implemented structural features such as culverts in valleys and slope protection systems for road safety.
  - Directed floodwater drainage initiatives to safeguard infrastructure from potential flooding.
  - Supervised asphalt mix applications (binder & wearing) with a focus on quality and durability.
- **Technical Contributions:**
  - Created detailed design work for highways and culverts using Civil 3D and AutoCAD.
  - Generated comprehensive shop and as-built drawings to document each project phase.

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### **Infrastructure & Roads Engineer / Quantity Surveyor**

*Abdul Rahman Al-Naima Consultant Engineers (ACE), Al Ahsa, Saudi Arabia  
2014 – 2016*

- **Infrastructure Design:** Developed structural plans for road and drainage systems, providing sustainable and efficient solutions.
- **Project Monitoring:** Tracked infrastructure works to ensure compliance with timelines and quality standards.
- **Budget and Cost Analysis:** Managed project budgeting and expenses to align with financial goals, optimizing resources.
- **Technical Contributions:** Utilized Civil 3D and AutoCAD for detailed engineering layouts, ensuring accuracy in design and execution.

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### **Education**

- **Bachelor of Civil Engineering (Specialization: Roads & Bridges)**

*Al-Balqa Applied University, Jordan*

GPA: 3.16 – Very Good

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