

ALI AFŞAR (AFSHAR)

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Transport Infrastructure & Road Sector Specialist | World Bank / IFI Operations | Project Preparation, Procurement & Supervision

PROFESSIONAL SUMMARY

Transport Infrastructure and Road Sector Specialist with **15+ years** of experience in road and urban transport, project appraisal, design review, **procurement**, construction supervision, road safety and transport strategy. Current ILBANK consultant supporting **World Bank**, Islamic Development Bank, AFD and other IFI-funded investments from **project preparation** through feasibility/E&S and design review, tendering and **bid evaluation**, and **implementation supervision**. Experienced in coordination with **GENERAL DIRECTORATE OF HIGHWAYS** and national/local road authorities in Türkiye and international assignments. Ph.D. in Traffic and Transportation Engineering; 35+ transport assignments delivered.

CORE COMPETENCIES

World Bank / IFI Road Operations | Project Preparation & Supervision | Road, Bridge & Junction Infrastructure | Feasibility & Economic Appraisal | Procurement, Tendering & Bid Evaluation | Technical Specifications & Design Review | Environmental & Social Review | Construction & Traffic Management | Road Safety Audit | Road Sector Policy & Strategy | GENERAL DIRECTORATE OF HIGHWAYS / Road-Authority Coordination | PPP Delivery Models | Logistics & Freight Connectivity | SUMP / Transport Master Planning | ITS & Public Transport | Traffic Modelling | GIS & Data Analytics

PROFESSIONAL EXPERIENCE

❖ ***Transport Sector Specialist / Consultant | İller Bankası (ILBANK) | Ankara, Türkiye | 10/2024 - Present***

➤ **Key responsibilities**

- Advise ILBANK on road, bridge, junction, public transport and urban-mobility investments financed by the World Bank, Islamic Development Bank, AFD and other IFIs.
- Support IFI-financed projects across the full lifecycle: financing/on-lending and preparation, feasibility and E&S review, design review, procurement and bid evaluation, implementation monitoring and construction supervision.
- Review feasibility and demand studies, designs, technical specifications, tender documents, contract scope, investment readiness, technical/economic appraisal and relevant E&S documentation.
- Provide technical recommendations on road/corridor design, project scope, traffic circulation, operational performance, construction risks, temporary traffic management, resilience and IFI compliance.
- Participate in civil-works procurement and bid evaluation, including technical compliance assessment and scoring with ILBANK finance/procurement teams for Sakarya and Kayseri, plus tender reviews under World Bank- and IsDB-supported programs.
- Supervise active road projects in Sakarya and Kayseri, reviewing progress, design revisions, temporary traffic management, construction impacts, transport performance, schedule, technical/contractual issues and corrective actions.

➤ **Selected projects and assignments**

- **World Bank-funded CDRC Project - road civil works:** Sakarya flyover and Kayseri grade-separated junctions (construction); İzmir evacuation-corridor overpasses and İstanbul bridge strengthening/reconstruction (procurement); Malatya beltway, viaduct and intersections. Involvement covers preparation, feasibility/E&S, design, procurement, bid evaluation, traffic management and implementation supervision.
- **World Bank-funded GFC Project:** Pre-construction appraisal of Konya Traffic Control Center and Konya tram construction/vehicle supply, including feasibility, E&S, technical and policy review; Antalya electric-bus review.
- **IsDB-supported MIRR Project:** Technical, resilience, procurement and tender-document reviews for Konyaray vehicle supply and Trabzon/Ankara electric-bus procurement.
- **AFD-supported SUMART Project:** Feasibility reviews for electric-bus investments in 10 cities, covering demand, fleet/route needs, technical scope, costs, readiness and transport justification.
- Other IFI assignments: Diyarbakır/Gaziantep tram and rolling-stock projects, ITS/traffic control centers, road safety, traffic impact and multimodal mobility investments.

❖ ***Independent Transport Consultant | Selected Private, Municipal & Academic Assignments | Türkiye / International | 2023 - Present***

➤ **Key responsibilities**

- Deliver road-safety, traffic-impact, public-transport performance, SUMP/master planning, policy/strategy and feasibility assignments; translate analysis into phased operational, infrastructure, institutional and policy recommendations.

➤ **Selected projects**

- **Diyarbakır Metropolitan Municipality & Dicle University (2025-2026):** Evaluated public transport performance and service/institutional gaps; developed reform, policy and implementation recommendations.
- **Al Jubail, Saudi Arabia - SYSTRA (08/2024-06/2025):** Traffic impact/network assessment and road safety audit for about 15 intersections and connected corridors; recommended safety and circulation improvements.
- **Kahramanmaraş Municipality / KOBA (03/2025-12/2025):** Traffic, circulation and road-safety assessment; proposed city-centre circulation improvements and policy/regulatory changes.
- **İzmir Municipality / INPRO (08/2025-05/2026):** Traffic impact study and road safety audit for two critical urban zones; proposed network, junction, circulation and safety improvements.
- **Sultanbeyli Municipality, İstanbul (02/2026-08/2026):** SUMP / Transportation Master Plan covering mobility, road hierarchy/circulation, public transport, demand, policy, investment prioritization and phased implementation.
- **Municipal transport feasibility studies (2023-2026):** Prepared/reviewed investment alternatives, demand, CAPEX/OPEX, financial/economic appraisal, benefit-cost indicators and implementation considerations.

◆ Director of Traffic and Transportation | Puyol Consulting and Engineering Ltd. | Ankara, Türkiye | 11/2022 - 06/2024

➤ Key responsibilities

- Directed road/corridor, traffic engineering, ITS, public transport, road-safety, traffic-impact and construction traffic-management assignments for municipal and international clients; managed teams, quality assurance and authority coordination.
- Led project inception, methodology, data collection, feasibility/alternatives analysis, technical reporting and approvals; worked directly with GENERAL DIRECTORATE OF HIGHWAYS and equivalent road/transport authorities on implementation-related reviews.

➤ Selected projects

- **Bosnia and Herzegovina - Ilidža-Hrasnica tram extension:** Temporary Traffic Impact Analysis and Traffic Management Plan for an 8 km corridor and 11 junctions, including road-user safety and road-authority coordination for construction-stage approvals.
- **Bahrain - Busaiteen Link Package 4:** Traffic Management Plan for road closures during infrastructure construction.
- **Konya Municipality:** Smart-card-based evaluation of bus public transport performance and operational improvement recommendations.
- **Saudi Arabia - Sidrat AlUla:** Traffic Impact Analysis methodology supporting development planning and appraisal.
- **Türkiye:** Originated and led a traffic-simulation software R&D project awarded a TÜBİTAK 1507 grant.

◆ ITS Consultant | INOTEKIA Company | United Kingdom, Remote | 06/2023 - 01/2024

➤ Key responsibilities

- **Assessed ITS infrastructure and institutional capacity for Kocaeli and Trabzon SUMP projects;** developed implementation concepts for traffic management, real-time public transport information, smart parking, multimodal integration, accessibility and environmental performance.
- Coordinated recommendations with local governments, public transport operators and stakeholders to align ITS improvements with SUMP objectives and implementation capacity.

◆ Lead Transportation and Traffic Engineer | Puyol Consulting and Engineering Ltd. | Ankara, Türkiye | 05/2021 - 11/2022

➤ Key responsibilities

- Led road/junction, corridor and multimodal transport projects from inception through modelling, alternatives assessment, design appraisal, stakeholder/road-authority coordination, reporting and quality assurance.
- Acted as primary client contact and coordinated technical review/approval of road and junction interventions with municipalities, GENERAL DIRECTORATE OF HIGHWAYS and other road authorities.

➤ Selected projects

- **Sincan Municipality:** Traffic impact/corridor study covering 25 junctions and about 20 km; coordinated directly with GENERAL DIRECTORATE OF HIGHWAYS on technical review/approval of road and junction interventions for construction.
- **Sincan Central SUMP and Transportation Plan:** Multimodal analysis of roads, public transport, bicycles and pedestrians at micro/macro levels, covering 25 junctions and 15 km.
- **Bolu Municipality:** Traffic modelling and design appraisal of three main arterial intersections; coordinated directly with GENERAL DIRECTORATE OF HIGHWAYS on technical review/approval for implementation.
- **Malta Government:** Marsa-Hamrun-Qormi road-network scenario assessment with coordination of technical reviews with relevant national/local road and transport authorities.
- **Mersin Municipality:** Multimodal redesign of the Zeytinli and Yaşar Doğu area to improve traffic operations, pedestrian safety and bicycle connectivity.

◆ Senior Traffic Engineer | Puyol Consulting and Engineering Ltd. | Ankara, Türkiye | 02/2020 - 05/2021

➤ Key responsibilities

- Prepared/reviewed traffic models, microsimulation, corridor/junction performance, scenario appraisals, congestion mitigation and road-safety design recommendations; supported national/local road-authority coordination.

➤ Selected projects

- **Mersin Municipality:** Modelling of the 2nd and 3rd beltways and junction redesign to improve traffic flow and reduce delay.
- **Malta Government:** Network/microsimulation studies for Mriehel CBD, Pembroke-Paceville (24 junctions) and Tal-Barrani arterials; evaluated designs and coordinated implementation assessments with road authorities.
- **İstanbul Municipality:** Access, parking and junction improvement around and within the Nata Complex.

◆ Project Consultant | ECORYS Consulting and Engineering Ltd. | Ankara, Türkiye | 04/2018 - 07/2019

➤ Key responsibilities

- Supported preparation, analysis, workshops, multidisciplinary coordination and reporting for the Kemalpaşa Logistics Center assignment with Türkiye's Ministry of Trade and Ministry of Transport.
- Evaluated alternative PPP delivery/operating models, comparing public/private arrangements, implementation suitability and operating efficiency to support selection of the preferred approach.

➤ Selected project

- **Kemalpaşa Logistics Center:** Logistics/freight-connectivity investment covering government coordination, project analysis, PPP delivery-model assessment and implementation/operating recommendations.

◆ Project Assistant / Assistant Researcher | Middle East Technical University | Ankara, Türkiye | 03/2013 - 01/2018

➤ Key responsibilities

- Collected/analyzed transport data, developed KPIs, prepared proposals and technical reports, supported workshops/stakeholder coordination, and researched public transport, traffic data, signalized intersections and road safety.

➤ Selected research and projects

- **Public transport:** Evaluation of public bus transit performance using smart-card data.
- **Traffic data and intersections:** Urban traffic-pattern detection using floating-car data and current/future signalized-intersection appraisal using PTV Vistro and Synchro.
- **Road safety:** Raised pedestrian crosswalk safety and pedestrian-behaviour research.

◆ Civil Engineer | Qum Youl Urom Engineering Company | Urmia | 01/2009 - 09/2011

➤ Key responsibilities

- Estimated quantities/material costs, supervised construction progress and safety, checked contract/design compliance, managed quality assurance/concrete testing and supported topographical analysis.

➤ Selected projects

- **Building projects:** Central Bank construction project, Urmia branch; sports facility and other building projects.

EDUCATION

- **Ph.D. in Traffic and Transportation Engineering**, Middle East Technical University, Ankara, Türkiye, 05/2024. GPA: 3.7/4. Thesis: Evaluation of the Public Bus Transit Performance Based on Smart Card Data.
- **M.Sc. in Traffic and Transportation Engineering**, Middle East Technical University, Ankara, Türkiye, 05/2015. GPA: 3.5/4. Thesis: Estimation of Traffic Impact at Signalized Intersections Around the Proposed Health Campus in Etlik, Ankara.
- **B.Sc. in Civil Engineering**, Urmia University, 03/2010. GPA: 3/4.

TECHNICAL SKILLS

- **Transport and traffic engineering software:** PTV Vistro, PTV Vissim, PTV Visum, Synchro, SUMO, SIDRA, TRNSYT, TripGen, HCS 2010.
- **GIS, data and office tools:** ArcGIS Pro, ArcMap, Microsoft Office.
- **Programming and data analysis:** Python, R.

LANGUAGES

- **Turkish and Persian:** Native.
- **English:** C2 / professional working proficiency for international project documentation, reporting and stakeholder communication.
- **Azerbaijani:** C1. Arabic: B1.

SELECTED PUBLICATIONS

- Afşar, A., Unalçakar, Z., Kurhan, M., & Tüydeş Yaman, H. (2020). Lessons Learnt from an Assessment of Public Transit Data: Case Study of Konya, Turkey. European Transport Conference.
- Afşar, A., Kibar, F. T., & Tüydeş-Yaman, H. (2018). Impact of Raised Pedestrian Crosswalk Design on Vehicle Travel: Case Study at METU. 13th International Congress on Advances in Civil Engineering.
- Afşar, A., & Tüydeş-Yaman, H. (2014). Estimation of Level of Service at Signalized Intersections Around the Proposed Health Campus in Etlik, Ankara. 11th International Congress on Advances in Civil Engineering.
- Aydin, M., Ghasemlou, K., & Afşar, A. (2014). Investigation of the Impact of Bus Blockage on Performance of Signalized Intersections by Using the Cell Transmission Model. ITS America World Congress.
- Ghasemlou, K., Topal, A., Tanyel, S., Aydin, M., & Afşar, A. (2014). Investigation of the Effect of Heavy Vehicles on Capacity of Signalized Intersections Based on Bayes Theorem. ASCE T&DI Congress.