

Corporate Profile

May, 2025



- ✓ ISO 9001:2015
A1538470 arcon
- ✓ ISO 10002:2018
A1538471 arcon
- ✓ ISO 14001:2015
A1538472 arcon
- ✓ ISO 20000:2011
A1538467 arcon
- ✓ ISO 27001:2013
A1538468 arcon
- ✓ ISO 37001:2016
A1538469 arcon
- ✓ ISO 45001:2018
A1538473 arcon
- ✓ ISO 19650:2018
A1558430 arcon

Architects Engineers Planners
Advisors MChJ

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Photo: New Tashkent City

Preliminary and Detailed Design Services for New Tashkent City's
Transportation and Infrastructure Systems, including Roadways,
Intersections, Bridges, Smart Water and Wastewater Networks, Metro
and LRT Corridors, Public Transit Integration, Utility Galleries, Electrical
Distribution, and District Heating/Cooling Systems – 2025

Agenda

1 Overview

- 1.1 General Information
- 1.2 History
- 1.3 Organizational Chart

2 Project Portfolio

- 2.1 List of Selected Projects
- 2.2 Featured Projects

3 Corporate Social Responsibility



Photo: Preliminary and Detailed Design Works and Project Management Services
The intersection of Yangi O'zbekiston Bog'li Street and 4R12 Main Road including 3 tunnels – 2024



1 Overview

1.1 General Information

1.2 History

1.3 Organizational Chart

1.1 General Information

Arccon Project is a company under Uzbekistan's legal framework. Established on April 2nd, 2021, it is presently listed with the Nukus City Public Services Center under registration number 2041581.

- **Official name:** «Architects Engineers Planners Advisors» MChJ
- **Commercial name:** Arccon Project
- **Registered office:** Ornek street 2, Kanlikol district, Republic of Karakalpakstan, Republic of Uzbekistan
- **Postal address:** 21 house, 1st street, Kohisim street, Darkhan MFY, Mirzo Ulugbek district, Tashkent city, Republic of Uzbekistan

- **Website:** project.arcccon.uz
- **E-mail:** project@arcccon.uz
- **OKED (NCEA - National Classifier of Types of Economic Activities):** 41100
- **TIN:** 308355644
- JSCB «Uzpromstroybank» Toshkent branch
 - UZS account no: 20214000105370187001
 - USD account no: 20214840305370187001
 - MFO (Bank branch location code): 00440



Information
About the Legal
Entity



Registration
Certificate



VAT
Registration
Certificate



Arccon New
Editorial Chart



Company
Information
Change
Document



SQB Bank Letter
for the Renewal
of the
Authorized
Capital



License for
development of
architectural
and urban
planning
documents



License for
Design,
Construction
and Repair of
Bridges and
Tunnels

1.2 History

Founded in the year **2021**, **Arccon Project** originated as an Uzbek limited liability company established by a trio of Turkish entrepreneurs. The company's primary focus at inception encompassed a comprehensive array of disciplines within the engineering domain, including urban planning, architectural design, transportation engineering, construction programming, planning, and consultancy services. With a steadfast commitment to excellence and innovation, **Arccon Project** rapidly ascended to a position of eminence within the industry landscape.

By **2023**, the **Arccon Project** has experienced additional growth, reorganizing into three new departments that correspond to specific business sectors. These departments encompass construction, renovation, project management, modernization and commissioning, business and facility management, training and certification, along with system integration and information technology.

In **2025**, «Arccon» MChJ, as holding company started to redefine client service standards.

With an unwavering commitment to excellence, we are transforming industry norms and empowering our clients with unparalleled support and innovative solutions.

2022

In **2022**, a restructuring took place, with two founding partners assuming ownership of the company shares.

2023

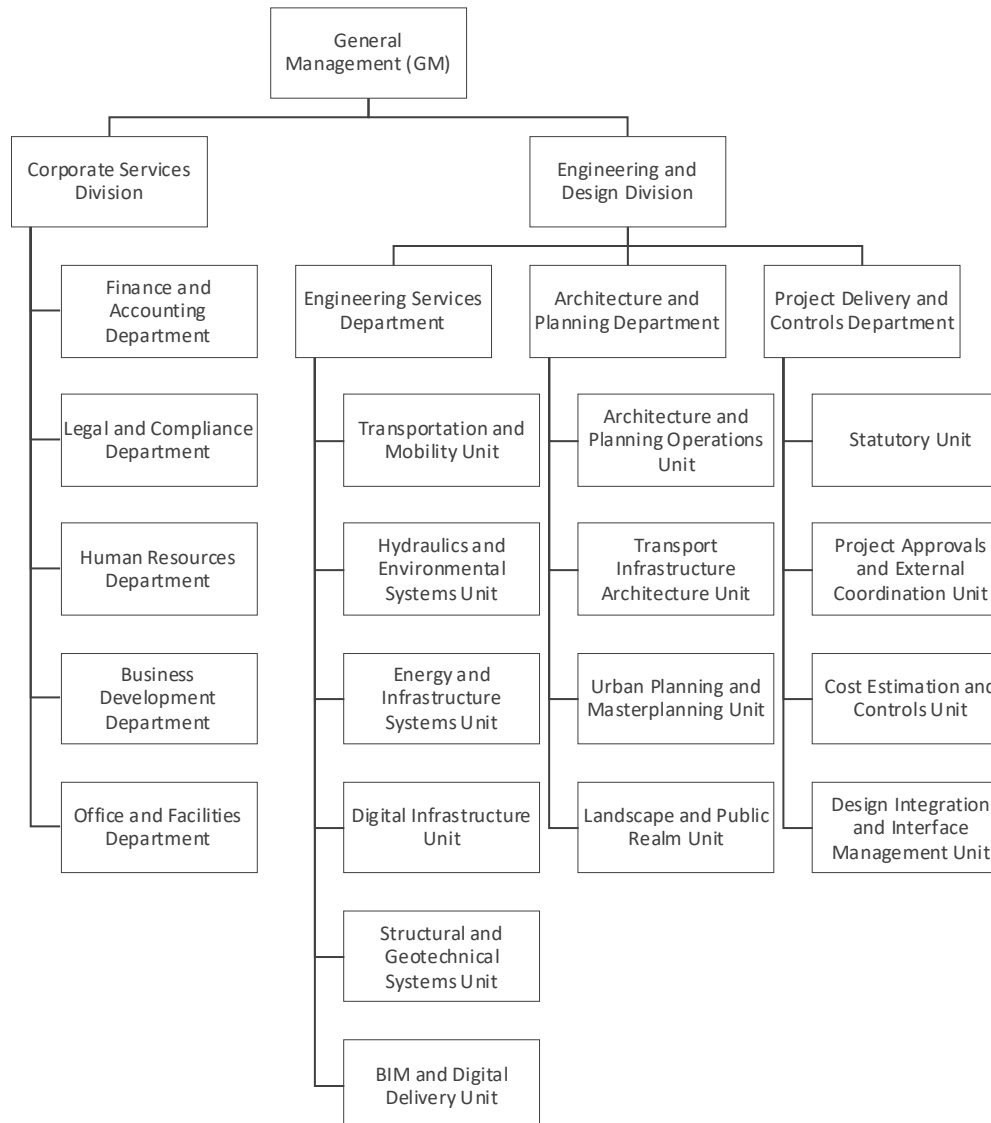
2024

In **2024**, departments have undergone a transformation, emerging as new independent companies:

- «Arccon Construction» MChJ
- «Arccon Didactic» MChJ

2021

1.3 Organizational Chart



Main Functions

- Engineering solutions for transportation, traffic, infrastructure, water, energy, and smart city systems
- Building Information Modeling (BIM) and Digital Transformation
- Project Management and Consulting
- Environmental and Social Impact Assessment

Engineering Services

- **Infrastructure and Transportation** – Roads, railways, bridges, tunnels, and traffic & transportation management projects
- **Water and Energy Systems** – Water supply, wastewater management, hydroelectric, and renewable energy
- **Telecommunication and Communication Infrastructure** – Fiber optic, wireless networks, and smart communication systems
- **Mechanical and Electrical Engineering** – HVAC, fire safety, electrical distribution, and lighting systems
- **Project Financing and Contract Management** – Financial modeling and services for EPCF projects
- **Supervision, Quality Control, and Technical Support** – Engineering supervision for design, implementation, and operation phases



2 Project Portfolio

- 2.1 List of Selected Projects
- 2.2 Featured Projects

2.1 List of Selected Projects in Uzbekistan (1)

#	Date of the Agreement	Employer	Subject of the Agreement
1	15.05.2025	TOSHKENT SHAHAR HOKIMIYATI, OOO "TIC ENGINEERING"	Design and Engineering Services for Access Roads and Tunnel with Traffic Circulation Design for the Islam Civilization Center– 2025
2	03.05.2025	YANGI TOSHKENT SHAHRINI BARPO ETISH DIREKTSIYASI	Design and Engineering Services for Access Intersection to the New Olympic City on Yangi Uzbekistan Street: Traffic Circulation, Tunnel, and Bridge Structures
3	11.02.2025	YANGI TOSHKENT SHAHRINI BARPO ETISH DIREKTSIYASI	Development of the design for 19.08 km of roads and road infrastructure as part of the first phase of construction of the New Tashkent City (including road lighting systems, potable water supply, sewerage, drainage and utility gallery systems, bridges, underground parking facilities, a 4 km metro line, pedestrian underpasses, and canal undercross).
4	03.01.2025	YANGI TOSHKENT SHAHRINI BARPO ETISH DIREKTSIYASI	Analysis of data collected using photogrammetry methods (Drone).
5	09.09.2024	YANGI TOSHKENT SHAHRINI BARPO ETISH DIREKTSIYASI	Comprehensive Design and Development Project for Road and Utility Infrastructure in New Tashkent City (6,000 ha), including Metro Lines, Water Supply, Wastewater, Drainage, Power Supply, Urban HVAC, and Utility Gallery Systems – 2024.
6	20.12.2023	"TOSHKENTBOSHPLAN LITI" DUK	Preparation of detailed design documentation for the administrative and central zone of Nurafshon City based on the "Nurafshon Business City" concept – including internal road and intersection design concepts and working drawings, as well as drainage system designs.
7	14.12.2023	YANGI TOSHKENT SHAHRINI BARPO ETISH DIREKTSIYASI	Development of cost estimate and design documentation for a road interchange at the intersection of New Uzbekistan Avenue and the 4R12 highway, comprising a total of 6 km of roadway and three underground passages.
8	13.12.2023	OOO "FIRST DRY PORT TERMINAL"	Provision of PM services for the "Reconstruction and Modernization of the Logistics Terminal Project".
9	07.12.2023	YANGI TOSHKENT SHAHRINI BARPO ETISH DIREKTSIYASI	Preparation of detailed design and cost estimate documentation for the construction of the road interchange at the intersection of New Uzbekistan Avenue and the 4R12 highway.
10	25.05.2023	"TOSHKENTBOSHPLAN LITI" DUK	Development of the transport model system for New Tashkent City, including traffic simulation and the concept for integration with the existing city of Tashkent, along with intersection design.
11	19.05.2023	OOO "SIGMA TOSHKENT"	Preparation of the working design documentation for the "road modeling" of the AIRPORT EXPO facility.
12	10.02.2023	"O'zshaxarsozlik LITI" DUK	During the development of the general master plan construction project documentation for the "Al Khwarizmi" complex located in the village of Chakkasholikor, Urganch District, Khorezm Region – preparation of traffic simulation and calculation documentation for 9 km of internal roads within the project area.

2.1 List of Selected Projects in Uzbekistan (2)

#	Date of the Agreement	Employer	Subject of the Agreement
13	24.08.2022	"O'zshaxarsozlik LITI" DUK	The "New Uzbekistan – EKO Shahar" residential complex located in the city of Fergana.
14	18.08.2022	ToshkentboshplanLiti DUK	Preparation of detailed design documentation for the administrative center of Nurafshon City based on the "Nurafshon Business City" concept – including concept development and working designs for internal roads and intersections, as well as drainage system designs.
15	18.08.2022	ToshkentboshplanLiti DUK	Development of a BIM model for a 50-hectare area in the "New Andijan" territory and preparation of the master plan concept for a 1000-hectare area.
16	03.08.2022	"Toshkentboshplan LITI" DUK	Preparation of the second-phase construction project for the development of a new urban settlement (53.7 hectares) in Andijan District ("New Andijan").
17	25.07.2022	Koprik qurilish loyixa UK	Preparation of working design and cost estimate documentation for the construction of a modern road overpass connecting Bobur Street to Islam Karimov International Airport and linking to S. Tolipov Street.
18	04.07.2022	O'zbekiston Respublikasining Transport vazirligi	Development of a feasibility study for the tramway transport system project in Tashkent City, in accordance with Lot No. 109473.
19	23.05.2022	OOO"YOL LOYIHA BYUROSII"	Construction of local access roads and road interchanges around the "New Uzbekistan Park" being developed in Tashkent Region.
20	19.05.2022	OOO"YOL LOYIHA BYUROSII"	Preparation of working design and cost estimate documentation for the reconstruction of the 817–827 km section of the M39 highway (Almaty–Bishkek–Tashkent–Shakhrisabz–Termez).
21	18.05.2022	OOO"YOL LOYIHA BYUROSII"	Preparation of working design and cost estimate documentation for the reconstruction of the 34–36 km section (Temur Malik Street) of the M39b "Tashkent Ring Road," including the construction of road interchanges at PK 11+40.
22	24.12.2021	OOO"YOL LOYIHA BYUROSII"	Development of the feasibility study (FS) for the reconstruction of the 5–43 km and 68–130 km sections of the A380 Guzar–Bukhara–Nukus–Beyneu highway.
23	12.11.2021	Toshkent viloyati huzuridagi "Toshkent viloyatida biznes markazlarini qurish direksiyasi" DUK	Preparation of the feasibility study, detailed design and cost estimate documentation, project site investigations, and other pre-design works, including consulting and author supervision, for the BRT (Bus Rapid Transit) corridor connecting Tashkent City – Nurafshon City – Tashkent Sea and extending to Bektemir District of Tashkent.
24	01.07.2021	OOO"YOL LOYIHA BYUROSII"	A range of technical consulting services for the design of road construction.

2.2 Featured Projects (1)

> On-going Design and Engineering Projects of 2025 – 2026

- Integrated Road, Metro, and Utility Infrastructure in New Tashkent City over a 56 km Corridor (Including 4 km of Metro Line, Water Supply, Wastewater, Drainage, and Utility Gallery Systems)
- Chirchiq Bridge
- Chorvoq–Tashkent Toll Road Project 58+ km (including intersections, tunnels, and bridges)
- Chorvoq Bridge - Inclined Cable-Stayed Bridge
- Pushkin - TTZ Metro Line (10,8 km)
- Technopark – Yangi Toshkent Metro Line (21,3 km)

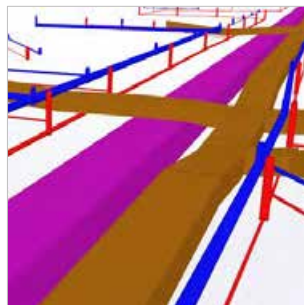
2.2 Featured Projects (2)

> Comprehensive Design and Development Project for Road and Utility Infrastructure in New Tashkent City (6,000 ha), including Metro Lines, Water Supply, Wastewater, Drainage, Power Supply, Urban HVAC, and Utility Gallery Systems – 2024



Project Scope

- Comprehensive mobility planning for New Tashkent City (2024–2040), integrating public transport, road hierarchy, active mobility, and smart transport systems.
- Transportation connectivity analysis between old and New Tashkent
- Road network planning (including tunnels and bridges) and geometric design with traffic simulations and visualizations.
- New Tashkent – Dostliq Metro project with metropark stations
- Hydraulic and drainage infrastructure design
- Water supply and wastewater system design
- District heating/cooling (HVAC) infrastructure (TRIGEN systems)
- Design of medium- and low-voltage power distribution, street lighting, and smart grid readiness.
- Integrated 3D BIM modelling (LOD 300).
- Sustainability & green infrastructure integration
- Construction strategy and phasing plan



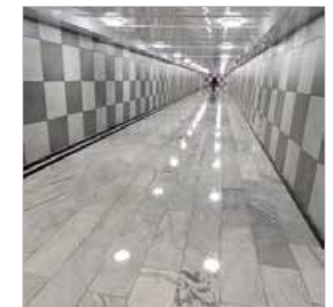
2.2 Featured Projects (3)

> Concept, Feasibility Study and Implementation Projects with On-Site Project Management of 3 Underpasses and 1 Cloverleaf Interchange with Bridge at the Yangi O'zbekiston Ko'chasi and 4R12 Road Junction, Featuring Design and Construction Techniques Applied for the First Time in Uzbekistan – 2024



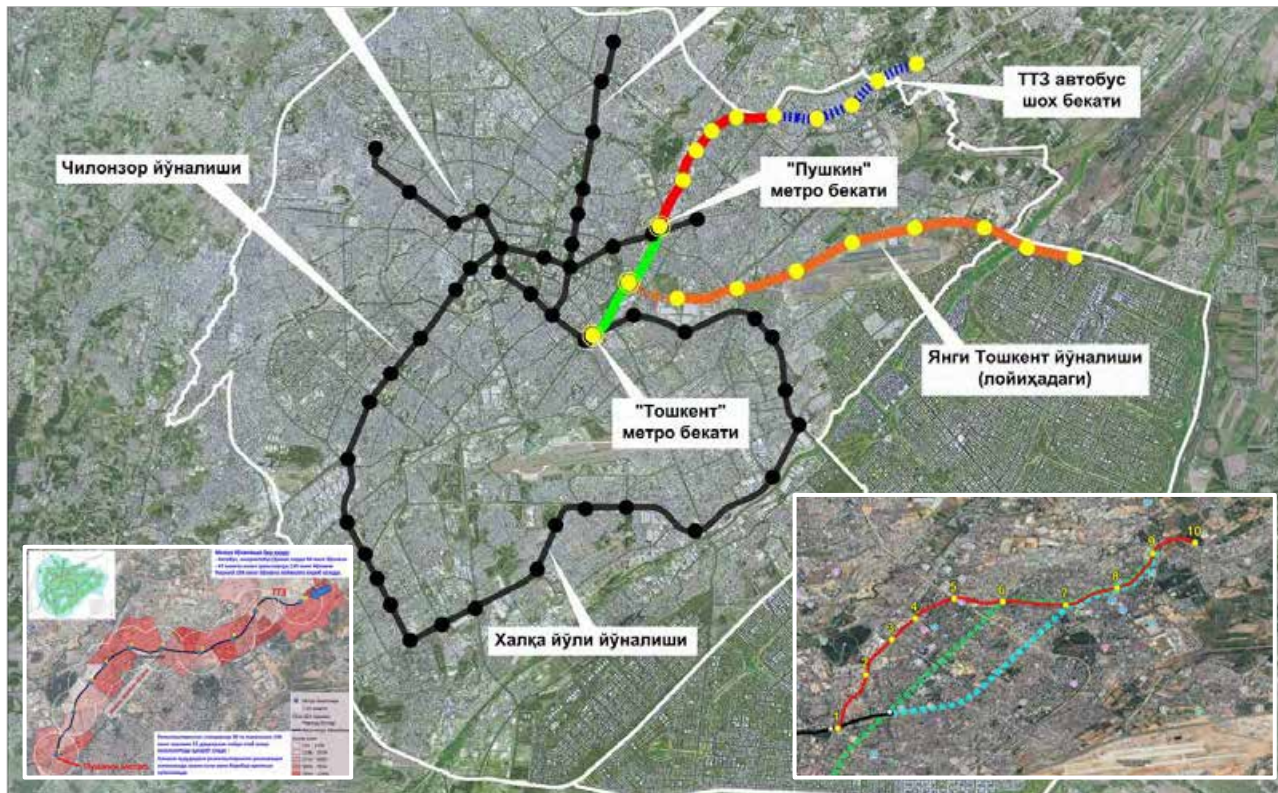
Project Scope

- Design and implementation projects of roadways (total 6,7 km), 3 tunnels (total 1.927 m), and bridge.
- Top-down construction method in tunnels.
- Implementation projects of bicycle lanes, pedestrian underpasses, parking facilities, solar energy systems, drainage, and lighting systems and seasonal fruit vendor stalls along the roadside.
- Comprehensive traffic study including traffic simulations and 3D visualizations.
- Development of a BIM (Building Information Modeling) model.
- On-site project management to oversee construction progress, quality control, resource allocation, ensure timely project completion, and project documentation.



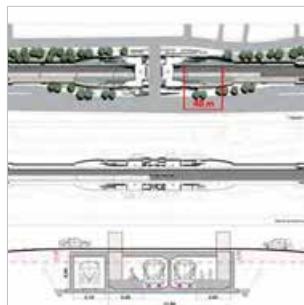
2.2 Featured Projects (4)

> Concept Project and Feasibility Study for Metro Line of 10.8 km from Pushkin Metro Station to TTZ – 2024



Project Scope

- **Route Alignment and Corridor Analysis**, supported by drone-based aerial surveys for topographic and environmental assessment
- **Vertical Profile and Cross-Section Design** covering elevation planning, open-cut and tunnel cross-sections
- **System Component Definition** including stations, rolling stock, power, signaling, and control systems
- **Preliminary Budget Estimation** with cost breakdowns for infrastructure and systems, aided by drone-based quantity analysis
- **Urban Transport Integration** and passenger demand modeling
- **Environmental and Social Impact Assessment** within feasibility framework
- **Construction Phasing and Implementation Strategy**
- **Risk Assessment** with mitigation planning using drone-assisted site data.



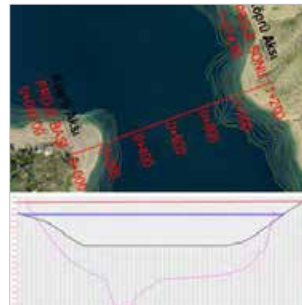
2.2 Featured Projects (5)

> Concept Project and Feasibility Study for Charvak Tourism Area Connection Bridge Project – 2024



Project Scope

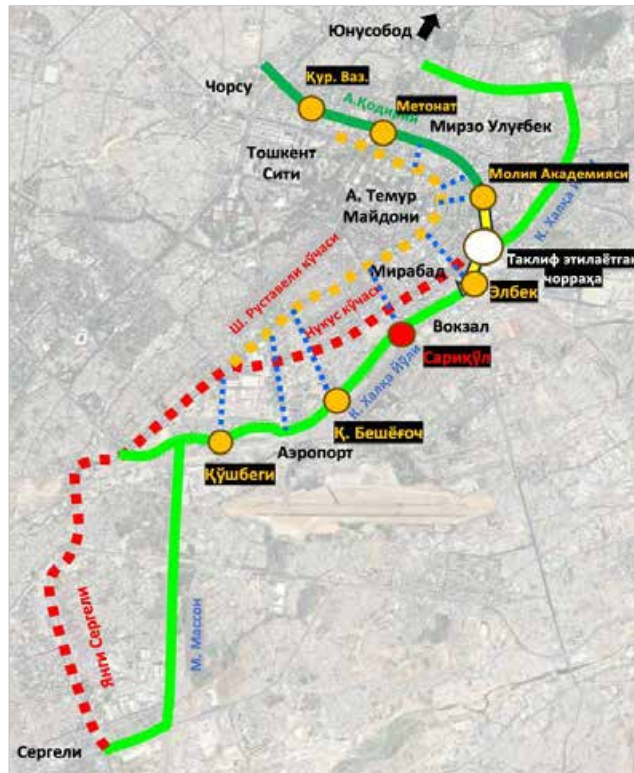
- **Objective:** Design and engineering feasibility study for a connection bridge spanning Charvak Lake, aimed at linking key tourism zones within the Charvak Region.
- **Total Bridge Length:** 1,215 meters (1+215 m configuration).
- **Hydrological Assessment:** Maximum water level estimated using historical data records.
- **Terrain Modeling:** Digital terrain model generated using SRTM data; seasonal lake water level recorded at 864.00 meters.
- **Subaqueous Profile:** Preliminary underwater topography incorporated from archived datasets; exact elevations to be confirmed through dedicated underwater surveys.
- **Bridge Pier Heights:** Estimated pier heights range between 15 and 78 meters, subject to refinement upon final geotechnical and bathymetric measurements.
- **Estimated Construction Budget:** Approximately 85 million USD.



Estimated Budget		
Group	Item Definition	USD
Earthworks	Excavation Filling/Regulation	2,786,795.90
	Reinforced Concrete and Stone Retaining Walls, Box Culvert, Drainage	13,356,135.06
Art Structures	Steel Segment Installation	36,880,015.36
	Cable Formation and Anchoring	21,239,097.59
	Monitoring System	1,502,227.04
	Pylon Elevator	807,683.48
	Prefabricated Entrance Installation	677,574.38
	Gravel (Plant Mix Basic)	1,802,990.17
Superstructure Works	Gravel (Plant Mix Basic)	1,806,315.70
	Bituminous Foundation	1,300,295.12
	Binder	719,254.23
	Mastic Asphalt	1,063,396.34
	Abrasion	1,525,963.05
Total		85,467,143.00

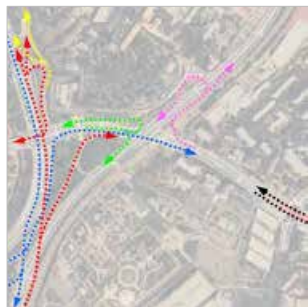
2.2 Featured Projects (6)

> Concept Project and Feasibility Study for Urban Traffic and Intersection Management, and Toll Road Regulations for Reducing Traffic Congestion in Tashkent City – 2024



Project Scope

- **Comprehensive Traffic Flow Assessment:** Assessment of projected traffic along a 21 km expressway with 15 access points, estimating 75,000 vehicles per direction daily, or 112,500 when adjusted for weekends and holidays.
- **Annual Traffic and Revenue Estimation:** Based on adjusted volumes, the annual traffic flow is estimated at approximately 41.06 million vehicles. With an assumed average toll rate of \$0.20 per vehicle, the estimated annual toll revenue is \$8.21 million.
- **PPP Feasibility and Payback Period Analysis:** Evaluation of financial feasibility under a PPP model, including ROI and revenue projections. The project involves seven grade-separated interchanges at \$15 million each, totaling \$105 million, with an estimated toll-based payback period of 12.8 years.
- **Highway Infrastructure Planning:** Conceptual design of the proposed expressway upgrades, focusing on increasing road capacity and converting the corridor into a full-access controlled high-speed route.
- **Toll Policy and Pricing Strategy:** Recommendation of optimal toll rates, informed by traffic projections and user demand analysis, to balance efficient flow and revenue targets.
- **Requirement for Detailed Transport Modeling:** Identification of the need for advanced traffic modeling and simulation studies for more accurate forecasting and financial planning.
- **Strategic Development Recommendations:** Initial evaluation results will guide detailed engineering, financial modeling, and stakeholder engagement in the next project phases.



2.2 Featured Projects (7)

> Concept Development and Feasibility Study for the Metro Line of 13,2 km from “Do‘stlik Metro Station” to “New Tashkent City Northwest Entrance” – 2024

Length of Alignment 13,2 km
Number of Metro Cars 10
Passenger per Metro Car 285

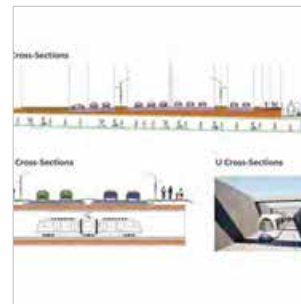
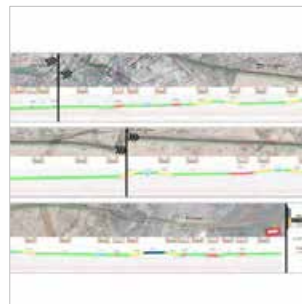
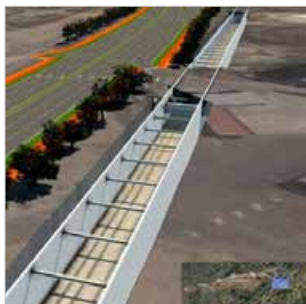
Estimated Daily Passenger 85.000
Operation Speed 50 - 70 km/h
Trip Duration 26 min

Minimum Headway 5 min
Metro Stops 4 - 8



Project Scope

- **Metro Route Alignment Study** including corridor analysis and route selection
- **Vertical Profile and Section Design**, covering elevation planning, open-cut and tunnel cross-sections
- Definition and analysis of **Main Metro System Components** such as stations, rolling stock, power supply, signaling, and control systems
- **Preliminary Budget Estimation** including cost breakdown for infrastructure, systems, and construction
- Integration with **urban transport networks** and assessment of **passenger demand**
- **Environmental and social impact considerations** within feasibility framework
- **Construction phasing and implementation strategy**
- **Risk assessment and mitigation planning** for technical and financial feasibility



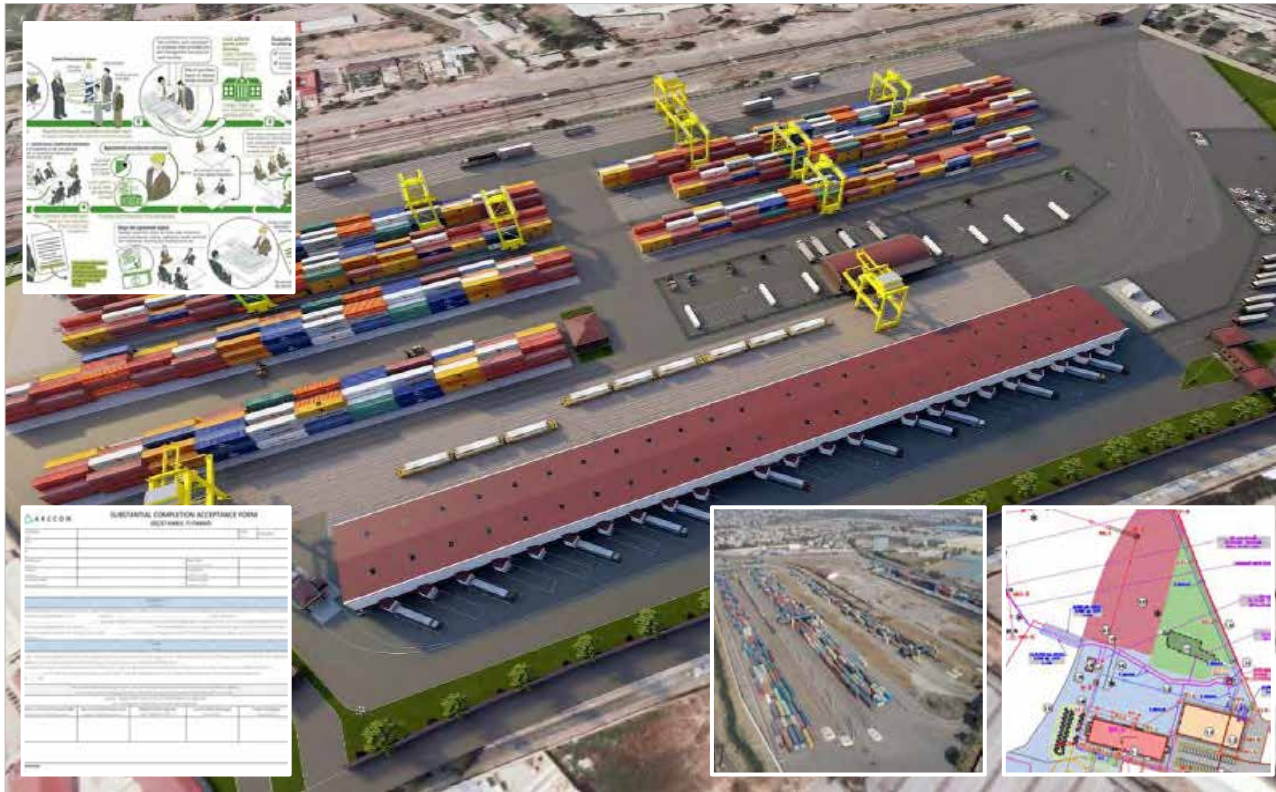
	Total cost per km
Track cost per km (excluding depot, workshop, metro cars)	
Work Description	
seating Work:	
for Alignment of app. 2 x 13.2 km (including rail, steel rebar reinforcement, reinforced or slabs, excavated, PVC insulation, etc.)	
Works for Alignment of app. 2x13.2 km (Girder Rail, 1/6 R50 Turnouts etc.)	
rctherworks for 4 metro Stops (including floor and wall coatings, seating by cabins, etc.)	
for 1 Bridge, Length is 270 m.	
structural and Track Works for Depot and Workshop which accommodate 10 cars per system Road and Facade Cadding, Steel Structure etc.)	
rctherworks for Substations	
invertors (for 9 Invertors and 27 Fcaltators)	
to Traction Power System (including D/V (catenary system)	
ion Systems (including CCTV, Vibration, PMX, Tera, FAS, Master Clock, PIS, Time & Booking System, Fire Detection System, Public-Access, etc.)	
ment (including automatic-metro-work)	
ry and Equipment of Depot Area	
ry)	

2.2 Featured Projects (8)

> Development of Training and Certification Programs for Author's Supervision, Technical Supervision, Chief Project Engineer, and Chief Project Architect, and Training of 1,200 Professionals – 2023

2.2 Featured Projects (9)

> Construction Project Management Services for FIRST DRY PORT TERMINAL LLC – 2023



Project Scope

- Establishment and management of **Quality Management System** throughout the project
- **Cost control** and **budget management**, including **draft and final budget preparation**
- **Fire management** and **Health, Safety, and Environment (HSE)** oversight
- **Work schedule development** and **progress monitoring** (physical and budget)
- Preparation and management of **tender packages**, **Request for Proposal**, and **tender processes**
- **Contract management** and coordination of **subcontractor site handovers**
- **Quality control** and **site design management**, including **MEP coordination**
- **Contractor and employer meetings** and preparation of **handover documents**



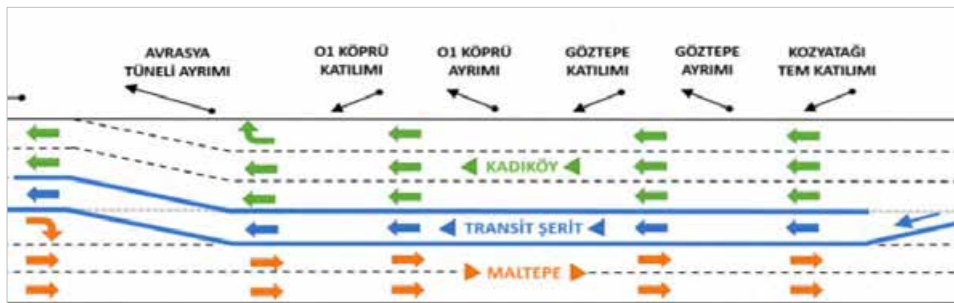
2.2 Featured Projects (10)

> Analysis and Planning of Movable Median Barriers for Istanbul Metropolitan Municipality – 2023



Project Scope

- In-depth analysis of **24 km of key roadways**, encompassing the European Side Coastal Road and the Anatolian Side D-100 Road.
- Comprehensive **traffic counting** and **detailed analysis** at **85 critical points**, supported by **topographical surveys** for accurate mapping of road and infrastructure features.
- **Traffic simulation modeling** and **calibration** of road corridors based on real-time traffic volumes and future demand projections.
- Thorough **geometric design** of road alignments, intersections, ramps, and cross-sections to meet both current and future traffic needs while maintaining safety.
- Detailed **feasibility study** for the **Movable Median Barrier application**, including a full **traffic impact assessment** and **safety evaluation** to determine its viability and long-term benefits for traffic management and congestion reduction.



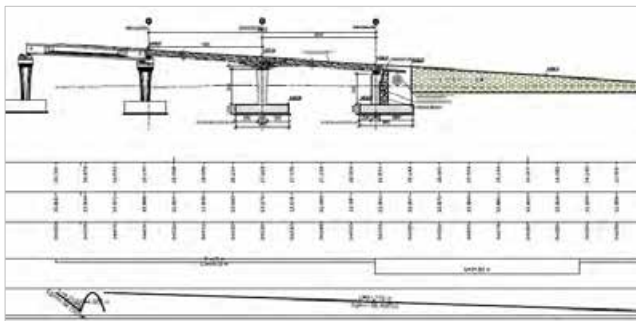
2.2 Featured Projects (11)

> Tashkent Airport Bridge Concept Development and Implementation Project – 2023



Project Scope

- **Main Bridge:** A cast-in-place post-tensioned beam bridge, designed for **dual three-lane traffic**, spanning **650 meters** to ensure smooth vehicular flow and structural efficiency.
- **Interchange Ramps:** Four **post-tensioned interchange legs**, each accommodating **two lanes**, with a **total length of 320 meters**, facilitating seamless traffic distribution.
- **Multilevel Intersection:** Comprehensive **roadway geometry optimization**, **traffic engineering**, and **stormwater drainage system integration** to enhance operational safety and efficiency.
- **Traffic Studies:** Advanced **traffic analysis**, **capacity assessment**, and **microsimulation modeling** to optimize vehicular movement and minimize congestion.



Design and structural engineering works



Traffic simulation



Roadway geometry optimization



Post-tensioned interchange legs

2.2 Featured Projects (12)

> Nurafshon Business City Inner Roads and Intersections, Main Entrance/Exit Intersections, Concept Design, Plan Drawings, Traffic Simulation and Road Implementations Projects – 2022

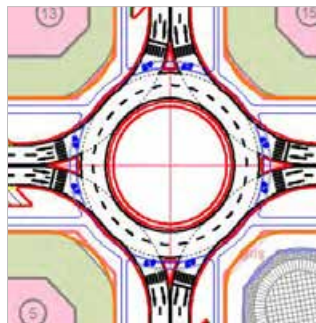


Project Scope

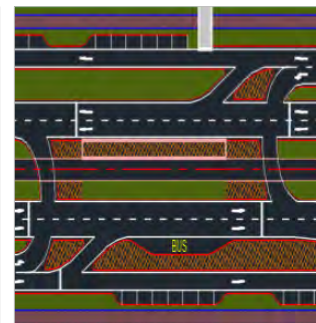
- **Urban Road Network Implementation** for a projected population of **80,000**
- **Ring Road Integration Projects** to enhance regional connectivity
- **32 km Roadway Development** with **37** strategically planned intersections
- **Comprehensive Citywide Traffic Simulation** for optimized mobility
- **Public Transportation Planning** to support sustainable urban transit
- **Bicycle Lane Network Design** for eco-friendly transportation solutions
- **Car Parking Infrastructure Planning**



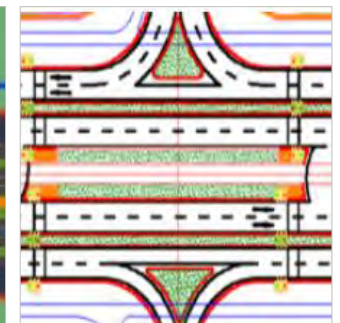
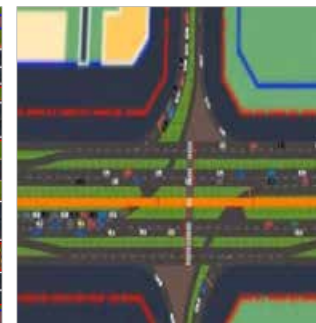
Bicycle Lane Network Design



32 km Roadway Development



Ring Road Integration Projects



Public Transportation Planning

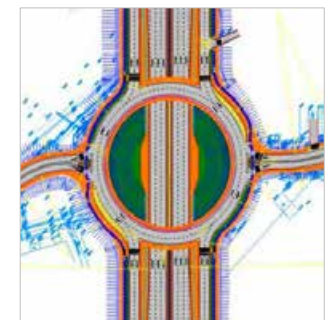
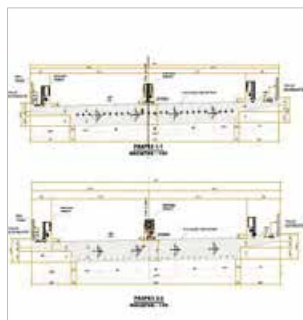
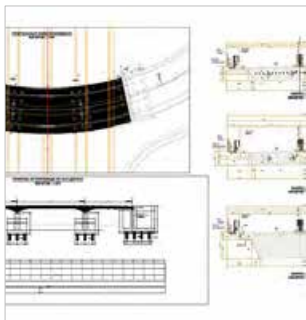
2.2 Featured Projects (13)

> Concept and Implementation Projects for Tashkent-Chinoz Road and Intersections – 2022



Project Scope

- **10 km roadway alignment design**, including traffic flow analysis, capacity evaluation, and level-of-service (LOS) assessments
- **Implementation of 4 grade-separated interchanges** with integrated structural engineering solutions to optimize connectivity and reduce congestion
- **Three post-tensioned bridge structures** for enhanced load-bearing efficiency and durability
- **One reinforced concrete box-section underpass** for uninterrupted vehicular movement
- **Approach walls and retaining systems** for stability and embankment protection
- **Advanced traffic microsimulation and modeling** for operational optimization and congestion mitigation



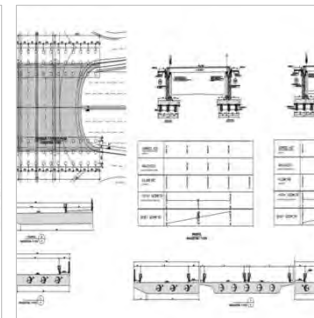
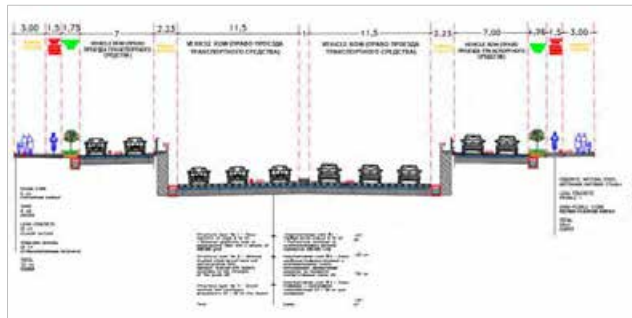
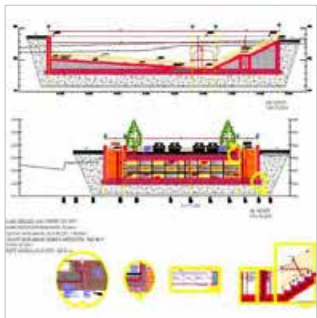
2.2 Featured Projects (14)

> Concept and Implementation Projects for Temur Malik Road and Intersections – 2022



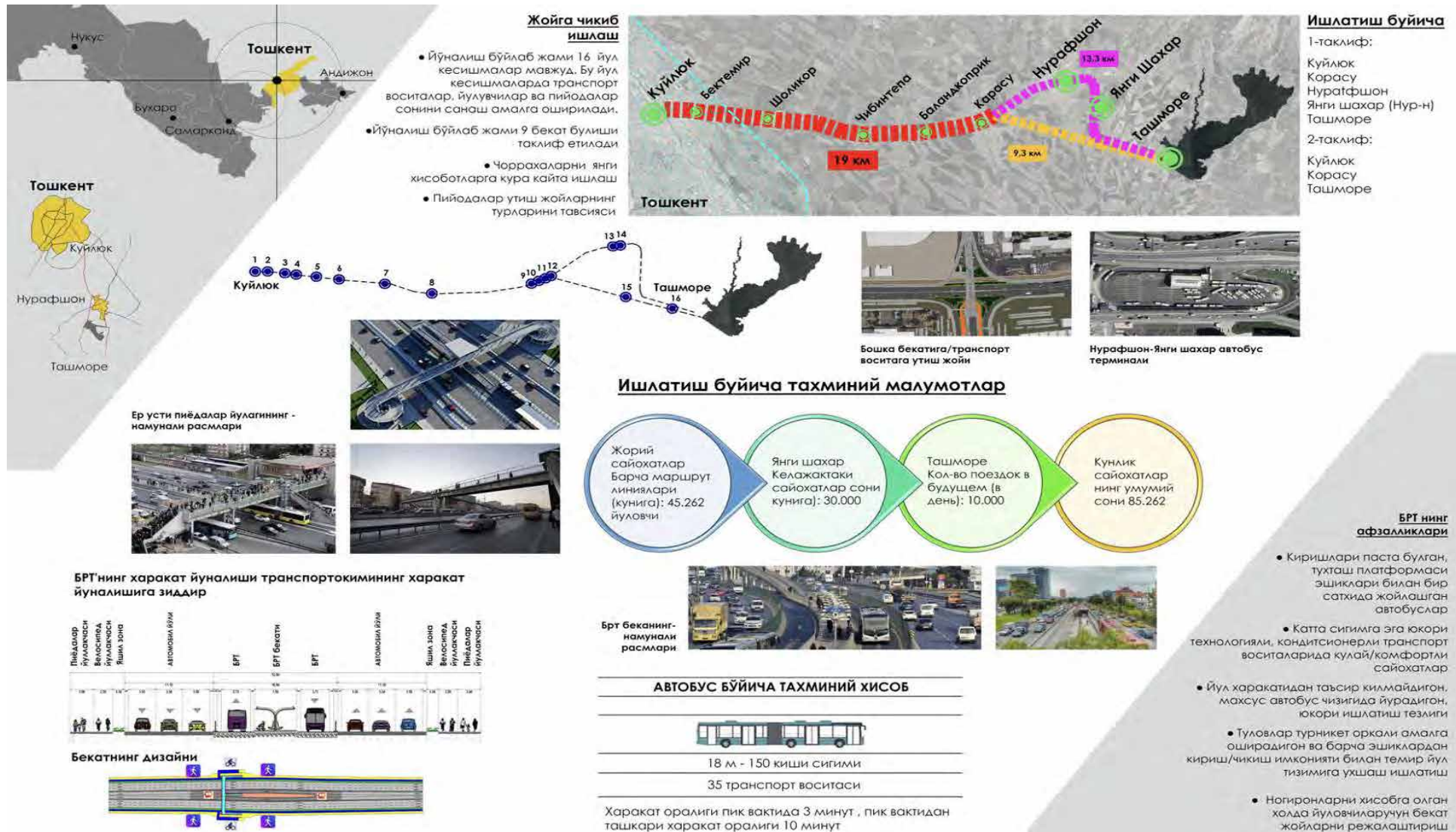
Project Scope

- **3 km road alignment design and construction**
- **Implementation of two grade-separated interchanges** with associated engineering structures
- **Four post-tensioned bridges** including **approach walls**, and **two pedestrian underpasses** for improved connectivity and safety
- **Traffic flow simulation** and operational analysis to optimize intersection performance and capacity



2.2 Featured Projects (15)

> Development of the concept, plan, and feasibility study for the 38,5 km BRT corridor between Tashkent and Nurafshon – 2022

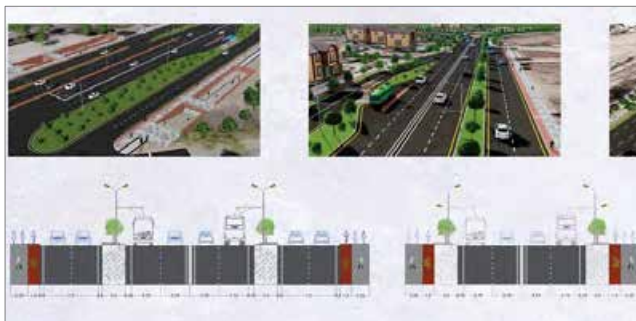


> Development of the concept, plan, and feasibility study for metro and LRT routes in Tashkent through meso-scale modeling – 2022

[illegible]

2.2 Featured Projects (17)

> Comprehensive Traffic Analysis, Environmental Planning, and Landscape Design for the 31.5 km Section of 4R-158 Khiva - Urgench Road – 2022



Design of proposed road cross-sections and on-street parking areas.



Traffic circulation recommendations



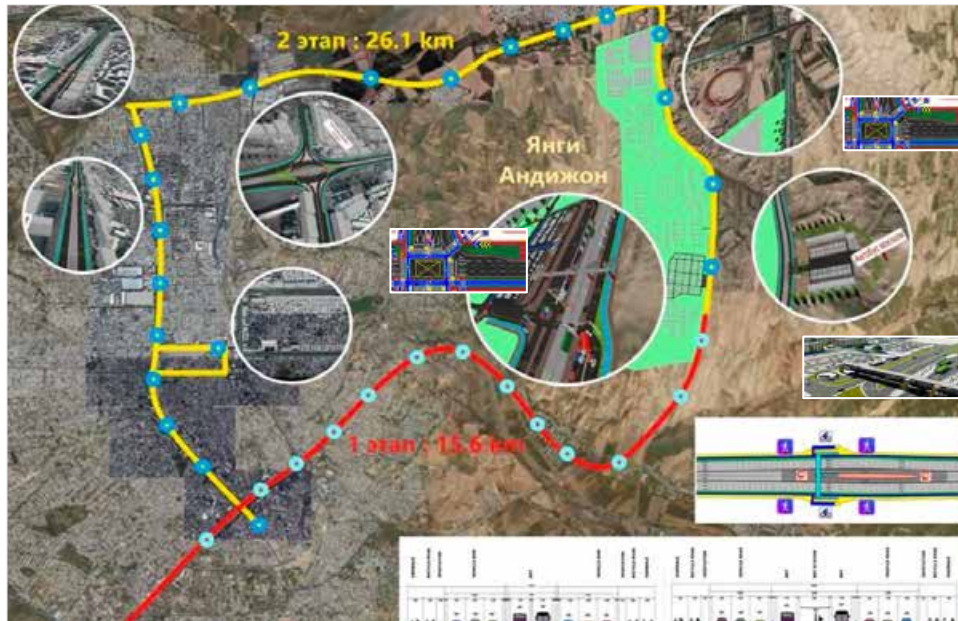
New underpass proposals, improvements for existing ones, and landscaping suggestions



Proposals for Bicycle Paths, Pedestrian Walkways, and Green Spaces; Intersection Signal and Geometric Adjustments; Auxiliary-Main Road Lanes

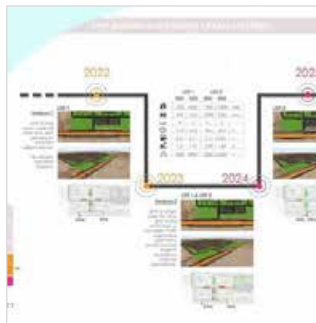
2.2 Featured Projects (18)

> Traffic and Transportation Infrastructure Development and Implementation Projects for New Andijan City (2022-2037): BRT Connectivity, Road Network, Drainage, Lighting, and Traffic Simulation – 2021



Project Scope

- **Integrated Transport Master Plan (2022–2037)** for New Andijan City, including **BRT corridor planning**, network-wide **traffic modeling**, and **demand forecasting**
- **Phased roadway, drainage, and lighting implementation projects** aligned with urban growth projections
- **Long-term traffic projections to 2050**, incorporating staged urban development scenarios
- **Design and simulation of 41.7 km backbone BRT corridor**, including **geometric alignment**, **station planning**, and **transit priority measures**
- **Street and intersection geometric designs**, including **multimodal integration**
- **Pedestrian accessibility analysis**, and design of **bicycle lanes**, **parking facilities**, and **urban intersections**
- **Microsimulation-based traffic operations analysis** and performance evaluation



Project Investment Plan (4 Phases, 2022-2037)



Comprehensive Traffic and Transportation Infrastructure Master Plan with Road and intersection designs



Road and intersection analysis with traffic simulations and 3D visualizations



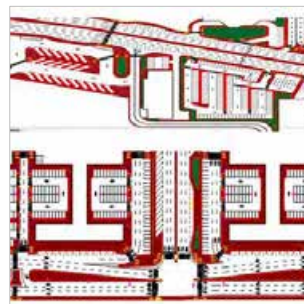
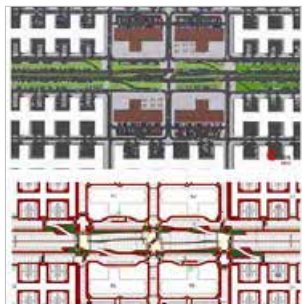
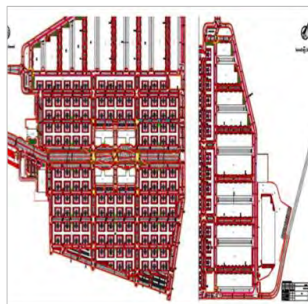
2.2 Featured Projects (19)

> Traffic Analysis and Simulation for Access Roads, Internal Circulation, and Parking Facilities of Tashkent Index Market with Comprehensive Implementation Projects – 2021



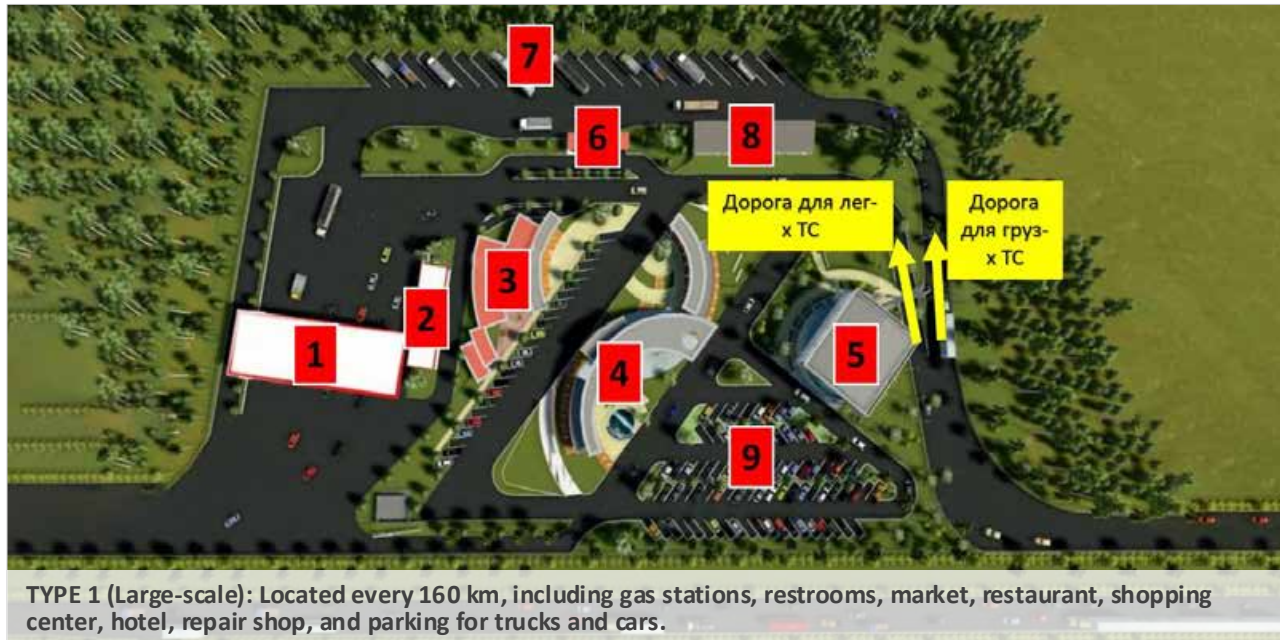
Project Scope

- **Design and implementation of a 30 km urban roadway network**, including arterial and collector roads, aligned with national geometric design standards
- **Development of 8,000 structured and surface parking spaces**, incorporating demand-responsive layout planning and access management strategies
- **Comprehensive traffic engineering studies**, including **traffic volume analysis**, **level of service (LOS) assessments**, and **microsimulation modeling** to evaluate operational efficiency
- **Preparation of detailed horizontal and vertical alignment plans**, along with **pavement marking and signing schemes** in accordance with MUTCD-equivalent standards for optimized lane usage and safety



2.2 Featured Projects (20)

> Concept & Location Planning for A380 Highway Rest Facilities – 2021



Project Scope

- Proposals for rest areas along **A380 highway**, ensuring compliance with international standards for spacing, facility types, and accessibility.
- **Traffic flow optimization** and **safety measures** at facility access/egress points to improve efficiency and reduce congestion.
- **TYPE 1 (Large-scale)**: Located every 160 km, including gas stations, restrooms, market, restaurant, shopping center, hotel, repair shop, and parking for trucks and cars.
- **TYPE 2 (Medium-scale)**: Located every 80 km, with gas stations, restrooms, café, market, and repair shop.
- **TYPE 3 (Small-scale)**: Located every 20 km, featuring rest areas, restrooms, and repair services.



Design and implementation of strategically placed rest facilities, varying in three different sizes (types) and functions, at 20 km intervals along the A380 intercity corridor to enhance driver comfort, safety, and accessibility to essential services



TYPE 2 (Medium-scale): Located every 80 km, with gas stations, restrooms, café, market, and repair shop



TYPE 3 (Small-scale): Located every 20 km, featuring rest areas, restrooms, and repair services.



Photo: Practical On-Site Training for Author's Supervision, Technical Supervision, Chief Project Engineer, and Chief Project Architect Experts

3 Corporate Social Responsibility

Empowering Communities and Promoting Sustainability through Vocational Education and Eco-Friendly Practices in the Construction Sector

3. Corporate Social Responsibility



Empowering Communities through Vocational and Technical Education in Construction Sector

At Arcccon, as part of our commitment to corporate social responsibility, we dedicate ourselves to advancing vocational and technical education within the construction sector. Our mission is to foster a skilled workforce, drive economic development, and provide opportunities for those in need. Here's how we're making a positive impact – and through these efforts, we strive to create a more resilient, inclusive, and prosperous construction industry, positively impacting communities and individuals alike.

- **Inclusivity:** We develop vocational training programs for diverse groups, including those facing social or economic barriers, ensuring broader access to education and opportunity.
- **Industry-Relevant Training:** Our training aligns with current construction industry needs, incorporating modern practices and global standards to prepare participants with practical, job-ready skills.

- **Certification Support:** We support participants in gaining professional certifications, boosting their career prospects and raising industry standards.



Promoting the Adoption of Eco-Friendly Materials in Construction Works, Design and Projects

As part of our commitment to reducing the environmental impact of construction activities, we actively promote the adoption of eco-friendly materials across all phases of design and project execution. We encourage our clients and partners to integrate sustainable materials—such as recycled, renewable, biodegradable, or low-emission alternatives—into their construction practices. Examples include the use of recycled steel, reclaimed concrete, or repurposed plastic for structural and architectural elements.

Embracing green materials not only conserves energy, water, and reduces waste but also fosters a healthier and more comfortable environment for occupants.

Thank you!



- ✓ ISO 9001:2015
A1538470 arcon
- ✓ ISO 10002:2018
A1538471 arcon
- ✓ ISO 14001:2015
A1538472 arcon
- ✓ ISO 20000:2011
A1538467 arcon
- ✓ ISO 27001:2013
A1538468 arcon
- ✓ ISO 37001:2016
A1538469 arcon
- ✓ ISO 45001:2018
A1538473 arcon
- ✓ ISO 19650:2018
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