

Title	Traffic Figure Collection Specialist
Vacancy Number	MOPW/SRTAP/1400-34
Ministry	Ministry of Public Works
Organization	Road Maintenance Directorate
Project	Sustainable Reform & Technical Assistance Project (SRTAP)
Duty Station	Afghanistan (Various Provinces)
Duration	1 Year (with possibility of extension)
No of Jobs	1
Nationality	Afghan
Sex	Male/Female
Salary Range	According to NTA Salary Scale (C-3)
Announcing Date	03/May/2021
Closing Date	15/May/2021
Job Type	Engineering
Shift	Full Time
Experience	+6 years

Background:

The Ministry of Public Works (MoPW) is responsible for the planning, design, procurement, implementation, monitoring, and maintenance of the various transportation infrastructure projects such as roads, bridges, and its relevant drainage and retaining/protection structures in the government of the Islamic Republic of Afghanistan.

Therefore, to enhance the capacity to strengthen its ability to deliver effective, efficient and transparent services in MOPW the Human Resource Directorate wishes to recruit the following staff on contract basis from development Budget for the Ministry of Public Work (MoPW)

Scope of Work/Job Summary:

The Traffic Figure Collection Engineering Specialist will carry out the following but not limited to all the required traffic data for the determination of average daily traffic (ADT), annual average daily traffic (AADT), peak hours traffic, traffic growth rate, running speed, gross vehicles weight, axle loads, etc. required for the planning of road network, carriageway width analysis, up-gradation of roadways (from two lanes to four and six lanes), prioritization of roads for maintenance works based on the traffic volume or intensity, pavement structure design, roadway classification based on the traffic volume, budgeting, timeline, etc. The incumbent must have a thorough understanding of the international and local design and construction codes/regulations/standards. The incumbent will function as a member of the operation and maintenance team where He/She provides technical inputs and Supports technical and engineering personnel with project support duties. The potential candidate will remain active through all

project phases and should work in close coordination with the senior management in MPW. He/ She must directly report to the Senior Engineers/ Consultants of the Department.

The Traffic Figure Collection Specialist will carry out the following

Duties & Responsibilities:

- Preparing traffic counting plan and managing of timeline;
- Liaise with MoPW central office and local authorities and get approval prior to the traffic counting and data collection;
- Managing traffic counters in the team and guiding them to follow the work plan and timeline;
- Preparing traffic survey templates and analysis spreadsheets;
- Calculation of ADT, AADT, and Peak hours' traffic volumes;
- Determination of traffic intensities along the rural roads and their current densities;
- Calculation of traffic capacity for current highways and preparation of its up-gradation based on the relevant analysis, assessments, and field requirements;
- Calculation of traffic growth rate and comparing it with the GDP growth and proposing final growth rate for the design of pavement structures and roads geometry;
- Classification of highways based on the volume of equivalent single axle loads (ESAL) such as heavy, medium, and light-duty traffic;
- Assisting pavement designers in the calculation of equivalent single axle loads (ESAL) for the design of pavement structures;
- Analysis of passenger car equivalent or passenger car unit for vehicles operating in Afghanistan;
- Conducting tire pressure survey and required analysis for vehicles operating in Afghanistan;
- Carry out routine and periodic traffic counts and survey;
- Filling survey forms utilizing survey equipment, take pictures/videos recordings, and write survey station brief information;
- Conducting Quality Assurance (QA) from the traffic counting stations and teams;
- Give required instructions to the traffic counters for the selection of traffic counting stations, team management, and counting procedures;
- Keep soft and hard data of traffic counts such as counting forms, sketches, drawings, calculations, reports, photos, etc.
- Fill out risk matrix spreadsheets before undertaking trips;
- Coordinate with RAMS core team, the Traffic Engineering Senior Specialist, Pavement Condition Officer, and GIS specialist to update the central database in an accurate and reliable manner;
- Carry out supervision and provide guidance to the vehicles counting contractor (if hired) to improve their performance and quality of the works;
- Participate in missions related to the project review and evaluation;
- Participate in the preparation and implementation of seminars and training courses;
- Any other task assigned by the Traffic Engineering Senior Specialist, and other relevant head/supervisor.

Skills & Competencies:

- Familiar with the traffic survey, traffic counts, required data collection, and their analysis;
- Experience with ADT, AADT, peak hour traffic, design hour traffic, ESAL analysis, Passenger car equivalent, Passenger car unit, traffic density analysis, traffic flow, etc.

- Ability to overcome challenges and work in difficult work environments/conditions (especially in the field);
- Be able and willing to travel to all provinces and remote location in Afghanistan, including volatile and insecure areas;
- High degree of personal initiative and willingness to accept responsibility for poor data collection;
- Knowledge of traffic engineering, and conducting relevant surveys and analysis;
- Use of Excel, Word, PowerPoint, AutoCAD, and any other software uses for traffic engineering

Job Requirements:

- Bachelor/Master degree in civil engineering, transportation engineering, traffic engineering, and or any other similar discipline with minimum of 6 years work experience in road survey, design, maintenance, and construction (general experience) and min of 3-years work experience of traffic survey, analysis, and management (specific experience);
- Master's degree in similar field is highly preferable
- Knowledge of standard practices of traffic engineering; Basic experience working with traffic survey equipment as necessary;
- Able to travel to the remote area all over Afghanistan, collect required data and work as part of a team;
- Physical fitness and able to travel and complete inspection procedure; Perform any other survey-related duties and tasks as assigned by the head/supervisor.

Required Documents:

- Copy of verified Bachelor Degree by Ministry of Higher Education
- Copy of verified Afghan ID Card (Tazkera)
- Copy of verified last Posting Contract

Submission Guideline:

Interested candidates are requested to forward their applications and detailed CV to mopw.vacancies@yahoo.com, kindly indicate the vacancy number (**MoPW/SRTAP/1400-34**) and the post title (**Traffic Figure Collection Specialist**) in the subject line when applying by email. To the Human Resource Unit – Sustainable Reform and Technical Assistance Project of Ministry of Public Works Kabul Afghanistan.

Office Add: SRTAP Office, MoPW Building Kabul Jalalabad Road, In front of KMTC, Ministry of Public Works, Kabul Afghanistan.

Only short-listed candidates will be notified