

# **TASKK ENTERPRISES**

**Traffic Data Collection, Traffic Studies,  
Transportation Planning  
&  
Highway Safety Studies & Audits**

**TASKK ENTERPRISES**

Office No. 19, 3rd Floor, Al Rehmat Plaza, G-11 Markaz, Islamabad  
Tel: +92 51 8318313 || [info@taskk.com.pk](mailto:info@taskk.com.pk) || [www.taskk.com.pk](http://www.taskk.com.pk)

## Vision

A traffic data collection with state of the art equipment, which provides highest possible accurate data in minimum time. We envision modernized traffic data collection methodology, enhance accuracy and provide calibrated and validated traffic data for traffic studies all over Pakistan. Travel Demand Forecasting using transportation planning software and models. Perform Road Safety Audits for motorways, highways and local road as per international standards.

## Mission

With the best equipment and dedicate regional teams, we provide our client with detailed data insights and analysis of roadways and intersections.

## Values

- Customer's Respect
- Commitment to maintain standard
- Teamwork & belief in leadership

## About Us

**TASKK Enterprises** provides most advanced solutions to the problems normally associated with the collection, analysis, and validation of traffic data all across Pakistan. We have specialists in knowledge, experience, technology, and resources to design and deliver large-scale, complex traffic studies, transportation planning issues, and road safety audits with the highest standards of data. We also have the most advanced technology across Pakistan at this time. Our team is comprised of highly experienced & skilled professionals with working experience of more than a decade in different sectors including consultancy, semi govt. & educational institutions.

**PAKISTAN ENGINEERING COUNCIL**

Registration No: **CONSULT/2016**

Date of Registration: **29-04-2019**



Serial No **13478**  
PEC-4A

**CERTIFICATE OF REGISTRATION OF PAKISTANI  
CONSULTING ENGINEER**

(UNDER PAKISTAN ENGINEERING COUNCIL ACT 1976)

This is to certify that M/s **TASKK ENTERPRISES** Address **OFFICE-19, 3rd FLOOR,  
AL-REHMAT MALL, G-11 MARKAZ, ISLAMABAD** have been registered as Consulting  
Engineers at Serial No **CONSULT/2016** of the Register of Pakistan Engineering Council  
with following particulars:-

Type of Ownership (021,022,023,024) **(PARTNERSHIP)**

Field of Specialization

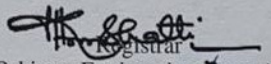
(Project-profile Code Nos.) **1215(ii)(HIGHWAYS)(ONE ONLY)**  
**(FOR ELECT & CIVIL ENGG WORKS PERTAINING TO FOLLOWING  
SERVICE CODES ONLY)**

**SERVICE CODES:**

**0510 - PLANNING STUDIES  
0511 - FEASIBILITY STUDIES  
0517 - OPERATIONS STUDIES**

Date of Issue:  
**25/09/2020**



  
Registrar  
Pakistan Engineering Council,  
Islamabad

**Note:**

1. This Certificate of Registration shall expire on **30th June 2023** and will be renewed on payment of the required fee before 31st July, 2023.
2. Description of project profile codes is shown on reverse.

**PEC No. Consult/2016**



# Services We Offer

## Traffic Studies

- ▶ Volume Data Analysis
- ▶ Travel Time Studies
- ▶ O/D and Willingness to Pay Survey
- ▶ Signal Timing Optimization
- ▶ Traffic Impact Studies

## Traffic Data Collection

- ▶ 24 hour Classified Directional Counts
- ▶ Turning Movement Counts at Intersections, and Interchanges
- ▶ Travel Time Data Collection
- ▶ Classified Speed Data
- ▶ Traffic Sign Retro-reflection

## Simulation Modeling

- ▶ 3D Traffic Simulation Modeling
- ▶ Alternative Evaluations
- ▶ Travel Demand Modeling

## Travel Demand Modeling


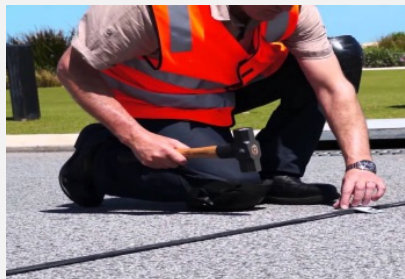

- ▶ Four Step Modeling
  - ❖ Trip Generation
  - ❖ Traffic Distribution
  - ❖ Modal Split
  - ❖ Traffic Assignment

## Road Safety Audit/Inspection

- ▶ RSA & Inspection for the following stages of Highway Project:
  - ❖ Feasibility Stage
  - ❖ Preliminary Design Stage
  - ❖ Detail Design Stage
  - ❖ Road Works Stage
  - ❖ Preopening Stage
  - ❖ Existing Road (Road Safety Inspection)





# Equipment We Own

## For Volume & Speed Studies

Equipment	Description	Usage	Images
<b>Automatic Metro Counter</b>	Metro Counters are the most advanced hardware and software combo traffic counting solution. It is a portable device that can be used on all types of roads for traffic surveys with pneumatic tubes. The dedicated software by Metro Count provides data including counts, speed and vehicle classification with higher accuracy.	<ul style="list-style-type: none"> <li>➤ 24 hour Directional Classified Counts.</li> <li>➤ Classified Speed Data.</li> <li>➤ Headway between Vehicles.</li> </ul>	 
<b>Scout Video Collection Units</b>	Scout is the industry leading portable video data collection device, built for reliable, unattended field operation for days at a time. The hardware solution is capable of providing Turning movement counts and directional counts.	<ul style="list-style-type: none"> <li>➤ Classified Turning Movement Counts.</li> <li>➤ 24 hour Directional Classified Counts.</li> </ul>	


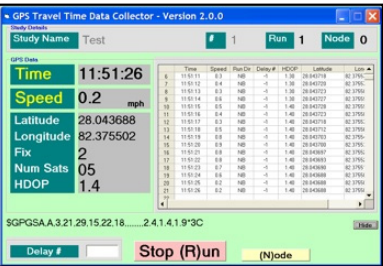
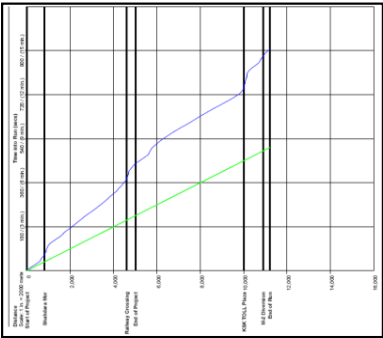
# Equipment We Own (Cont'd)

## For Volume & Speed Studies

Equipment	Description	Usage	Images
<b>Automatic Pico Count 2500</b>	The PicoCount 2500 is an automatic traffic counter used to collect vehicle traffic data on roadways. It collects data from one or two road tubes (rubber hose) stretched across the road.	<ul style="list-style-type: none"> <li>➤ 24 hour Directional Classified Counts.</li> <li>➤ Classified Speed Data.</li> </ul>	
<b>COUNTcam</b>	COUNTcam is a portable video recording system that records 168 hours of traffic video on a single charge. It's easy to install (and even easier to transport). The most convenient and cost-effective way to collect traffic data.	<ul style="list-style-type: none"> <li>➤ Classified Turning Movement Counts.</li> <li>➤ 24 hour Directional Classified Counts.</li> </ul>	
<b>Speed Radar</b>	Pocket Radar is world smallest certified accurate speed radar. It measures from 10 km/hr to 523 km/hr with accuracy of $\pm 1.5$ km/hr.	<ul style="list-style-type: none"> <li>➤ Speed Studies</li> </ul>	
<b>Speed Gun</b>	Handy Speed Gun with highest accuracy. Digital Signal Processing (DSP) methodology for instance speed recording		

# Equipment We Own (Cont'd)

## For Travel Time Study

Equipment	Description	Usage	Images
<b>GPS Receiver &amp; PC-Travel Software</b>	Travel Time studies are done to evaluate the existing traffic conditions and to obtain real time travel time during peak as well off peak periods. These studies provide data to calibrate simulation models and most importantly provides comparison between before and after scenarios.	<ul style="list-style-type: none"> <li>➤ Travel Time between two locations.</li> <li>➤ Second by Second vehicle location and Speed.</li> <li>➤ Average operating Speed.</li> <li>➤ Number of Stops.</li> <li>➤ Delay.</li> <li>➤ Vehicle Profile.</li> <li>➤ Emissions.</li> </ul>	  

# Equipment We Own (Cont'd)

## For Traffic Sign Condition Evaluation

Equipment	Description	Usage
<b>Zehntner ZRS 5060 Retro-Reflectometer</b>	This equipment is used for the collection of retro-reflective data of Traffic Sign, called the Zehntner ZRS 5060 Retro-reflectometer. It is a well known instrument for the retro-reflection measurements. It is a handheld device and measures retro-reflection in Candles per Lux per meter square ( $\text{cd lx}^{-1} \text{m}^{-2}$ ) units.	<ul style="list-style-type: none"><li>➤ Retro-Reflective Condition of any traffic sign.</li><li>➤ Compare it with the standards.</li><li>➤ Evaluate performance of different types of retro-reflect materials used in Traffic Signs.</li></ul>



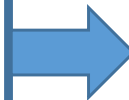


# Softwares We Have

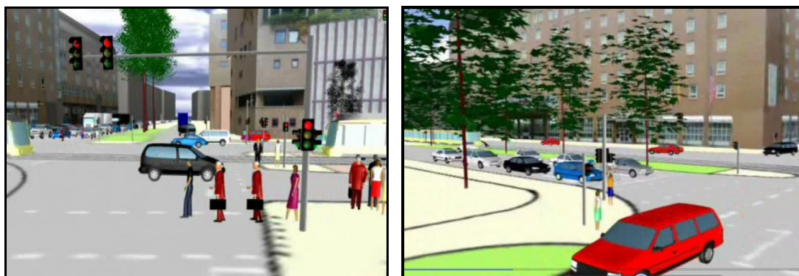
**TASKK Enterprises owns a number of licensed Traffic Engineering Software**

## Microscopic Simulation Software

- VISSIM 7 (Germany)
- CORSIM 6 (USA)
- AIMSUN (Spain)
- SimTraffic 8 (USA)



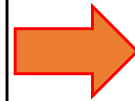
- ☐ Used for modeling transportation facilities:
  - ✓ Signalized intersection
  - ✓ At-Grade and Grade Separated Intersections
  - ✓ Interchanges
  - ✓ Roundabouts
  - ✓ Parking Lots
  - ✓ Toll Plazas
- ☐ Provide 3D Simulation.
- ☐ Comprehensive Reports and Capacity Analysis.
- ☐ Excellent for evaluation of different alternatives or any mitigation measure



# Softwares We have (Cont'd)

## Intersection and Arterial Analysis

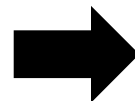
- Synchro 9
- Sidra Intersection 5.1



- ☐ Used for model Signalized Intersection and Arterial
- ☐ Optimized Signal Timing
- ☐ Perform Capacity Analysis
- ☐ Compare Alternatives.

## Transportation Planning & Travel Demand Forecasting

- TransCAD 6.0
- VISUM



- ☐ Transportation Planning
- ☐ Four Step Travel Demand Modeling
  - ✓ Trip Generation
  - ✓ Trip Distribution
  - ✓ Modal Split
  - ✓ Traffic Assignment

### Project Location:

Gulberg Greens,  
Gulberg Residencia,  
Islamabad

### Client:

IBECHS, Islambad

### Client Contact:

IBECHS Head Office,  
Gulberg Greens,  
Islamabad

### Start Date:

Nov 2021

### Completion Date:

On-going

### Project Description

Intelligent Transportation System (ITS) is an Application of **Sensing**, **Analysis**, **Control** and **Communication Technologies** to Ground Transportation in Order to Improve **Safety**, **Mobility** and **Efficiency**. In this project, ITS application are proposed for implementation in Gulberg Housing Society. The application includes Variable Message Signs (VMS), Parking Management System (PMS), Push Button Pedestrian Signals, Speed Radars, and Traffic Management Center

#### Traffic Management Center



Variable Message Signs (VMS)



Speed Radar



Push Button  
Pedestrian Signal

#### Vehicle Video Detectors and System



Barcode Ticket Dispenser



TOLL STATION



Automatic Barrier



Guard Booth



COMA PARKING  
MANAGEMENT SYSTEM

## Traffic Management Plan for Park View City, Islamabad

### Project Location:

Islamabad

### Client:

Park View City

### Client Contact:

Park View City,  
Islamabad

### Start Date:

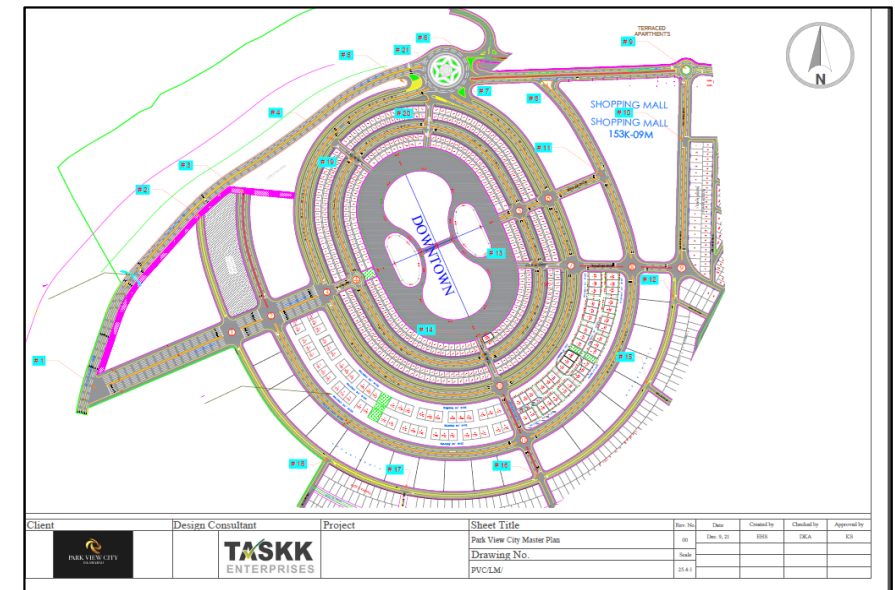
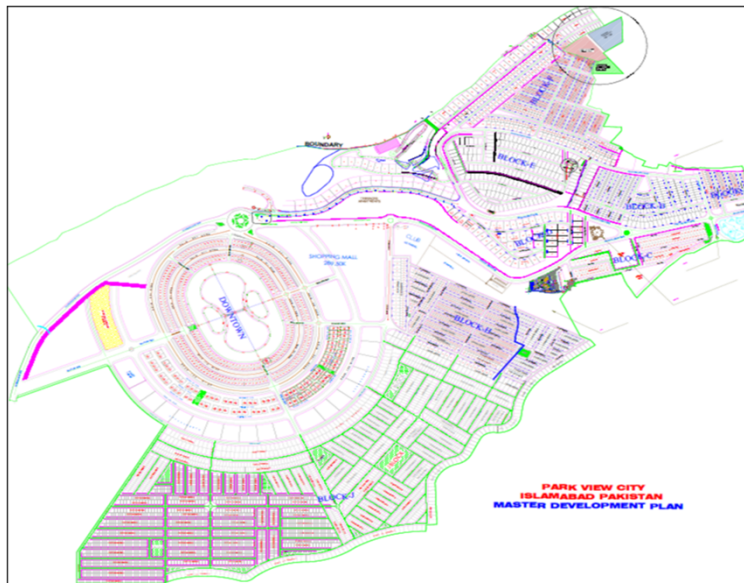
January 2022

### Completion Date:

On-going

### Project Description

Traffic Management Plan for the new housing Society “Park View City, Islamabad”. The main tasks are to conduct traffic impact study, develop traffic management plan and signage plan for the development. Moreover, road safety audits of roundabouts and intersection will also be the part of project.





## Permanent Traffic Counts Phase III and Phase IV

### Project Location:

National Highways,  
Motorways

### Client:

National Transport  
Research Center  
(NTRC), Islamabad

### Client Contact:

National Transport  
Research Centre  
(NTRC),  
Street No. 5 & 6,  
Sector H-8/2,  
Islamabad

### Start Date:

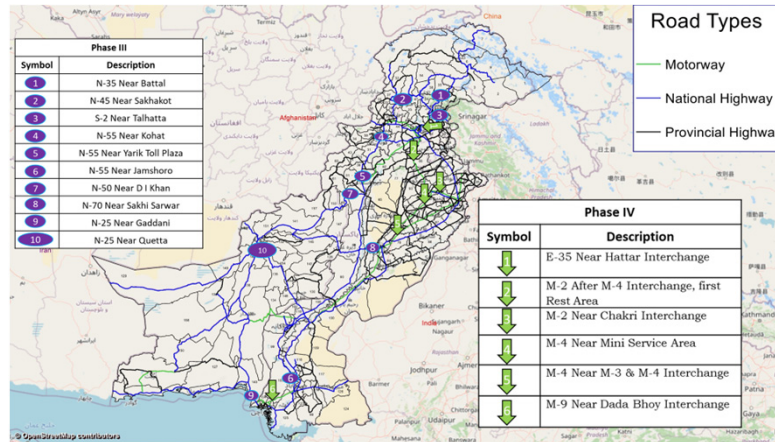
November 2020

### Completion Date:

On-going

### Project Description

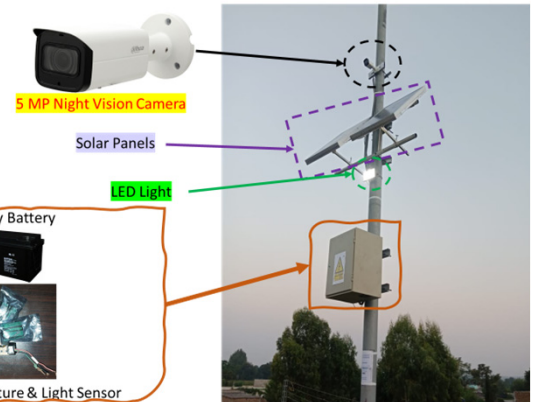
First time in Pakistan, automatic traffic devices are installed to perform Classified Directional Traffic Counts for a period of One Year (365 Days). The videography technique is used to record video and axle wise data is extracted using software. The equipment is installed on 16 Locations.



### Videography

#### ❖ Equipment :

Camera with DVR and Solar System  
• Installed at 16 Locations National Highways & Motorways



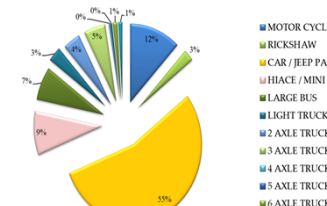
NTRC PERMANENT TRAFFIC COUNTS

November, 2020

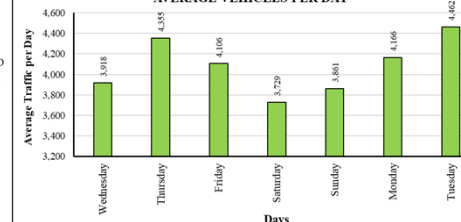
Location: 1 to 16 (See Map)

Phase	Site	Vehicle	Motorcycle	Car	Jeep	Bus	Truck	Tractor	Other	Total
1	N-35	120	10	10	10	10	10	10	10	180
2	N-45	120	10	10	10	10	10	10	10	180
3	S-2	120	10	10	10	10	10	10	10	180
4	N-55	120	10	10	10	10	10	10	10	180
5	N-55	120	10	10	10	10	10	10	10	180
6	N-55	120	10	10	10	10	10	10	10	180
7	N-50	120	10	10	10	10	10	10	10	180
8	N-70	120	10	10	10	10	10	10	10	180
9	N-25	120	10	10	10	10	10	10	10	180
10	N-25	120	10	10	10	10	10	10	10	180
11	E-35	120	10	10	10	10	10	10	10	180
12	M-2	120	10	10	10	10	10	10	10	180
13	M-2	120	10	10	10	10	10	10	10	180
14	M-4	120	10	10	10	10	10	10	10	180
15	M-4	120	10	10	10	10	10	10	10	180
16	M-9	120	10	10	10	10	10	10	10	180
Total		1920	160	160	160	160	160	160	160	2720

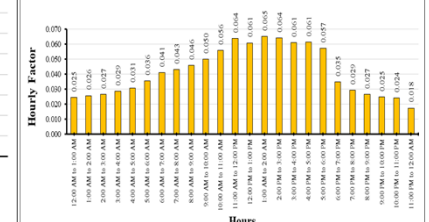
#### PERCENTAGE OF TRAFFIC COMPOSITION IN NB DIRECTION



#### AVERAGE VEHICLES PER DAY



#### AVERAGE HOURLY FACTOR





## Data Collection of Road Accidents in Punjab & KPK Province

### Project Location:

Punjab & KPK  
Provinces

### Client:

National Transport  
Research Center  
(NTRC), Islamabad

### Client Contact:

National Transport  
Research Centre  
(NTRC),  
Street No. 5 & 6,  
Sector H-8/2,  
Islamabad

### Start Date:

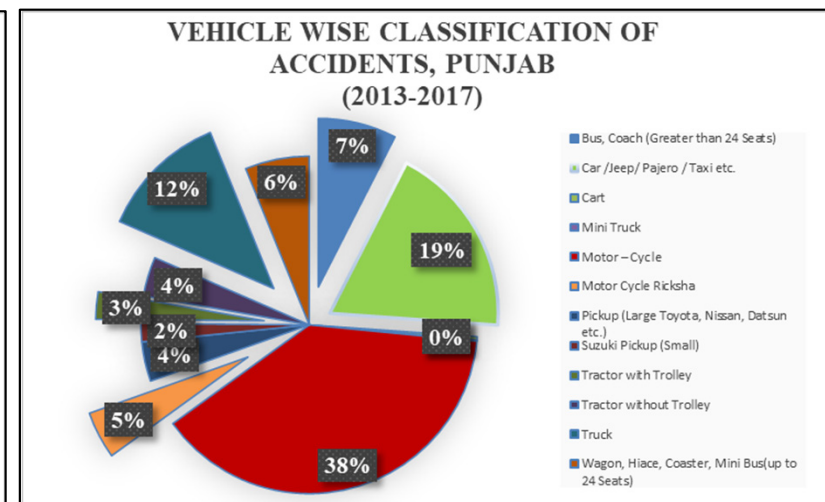
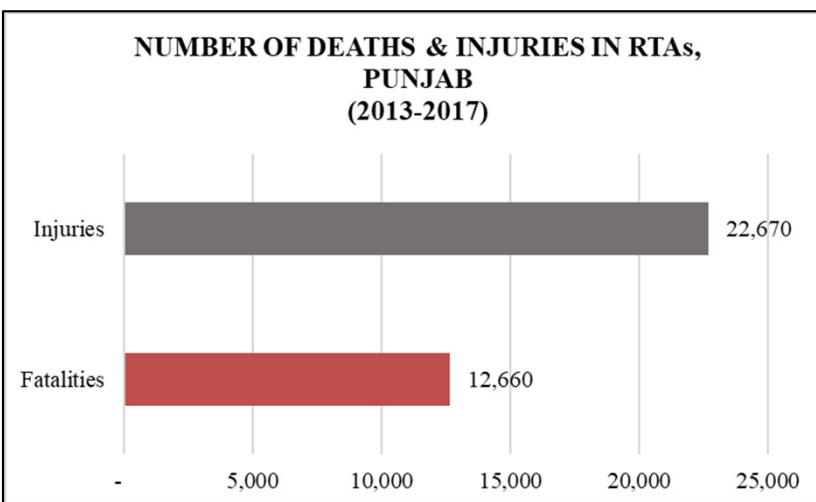
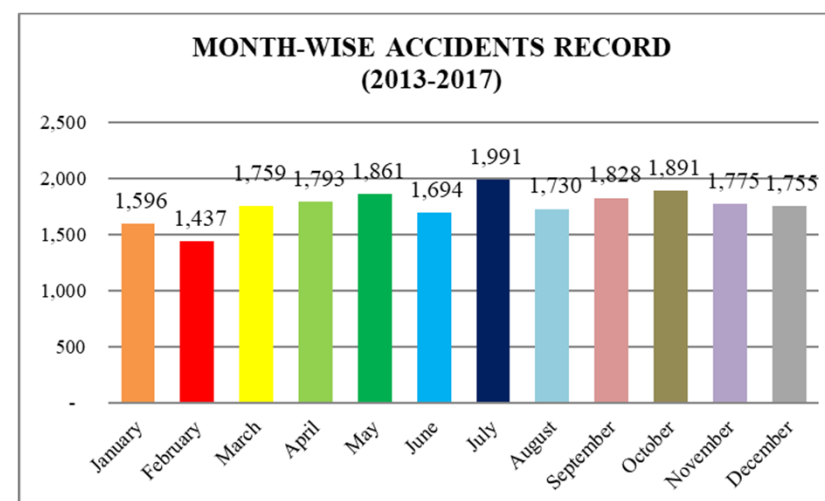
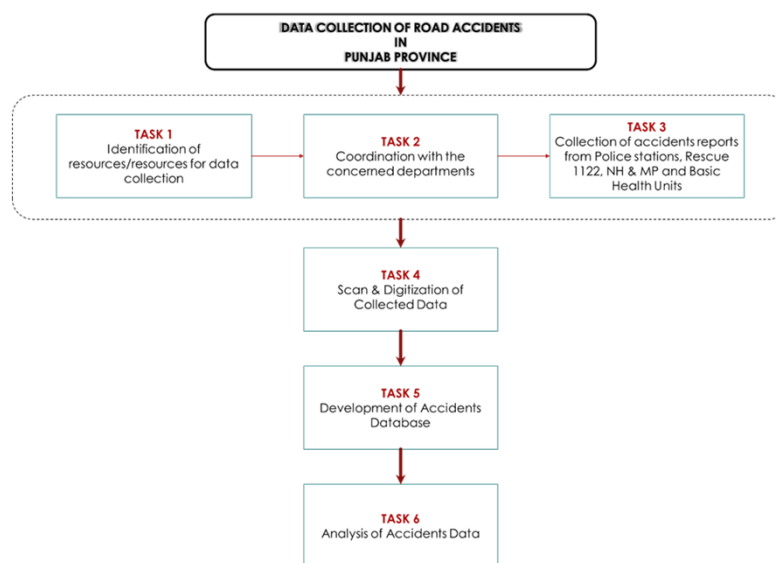
Jan 2019

### Completion Date:

On-going

### Project Description

M/s TASKK Enterprises, the consultant, was selected to collect road traffic accidents (RTAs) data in the province of Punjab and KPK for the 5-year period i.e., from 2013 to 2017. Comprehensive road accident data from various sources such as Punjab Police, Rescue 1122, and Health Authorities was collected from each source and at each level i.e., district, Basic Health unit etc.



## Transportation Master Plan for Gulberg Development, Islamabad

### Project Location:

Gulberg Greens,  
Gulberg Residencia,  
Islamabad

### Client:

IBECHS, Islambad

### Client Contact:

IBECHS Head Office,  
Gulberg Greens,  
Islamabad

### Start Date:

April 2019

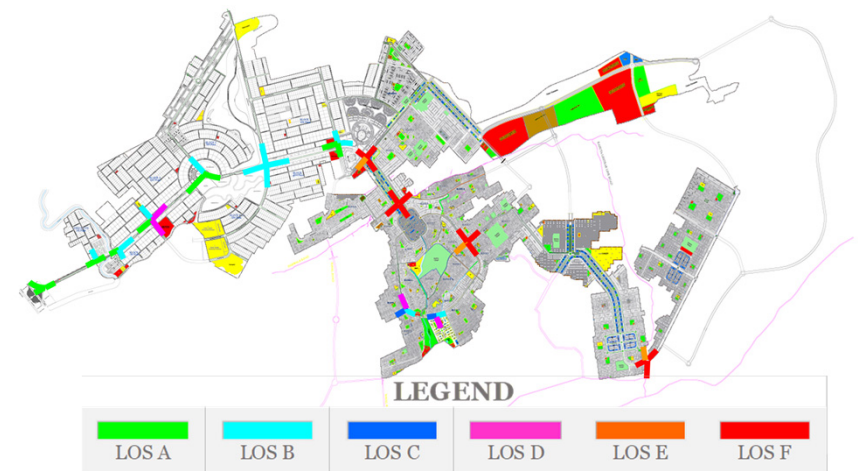
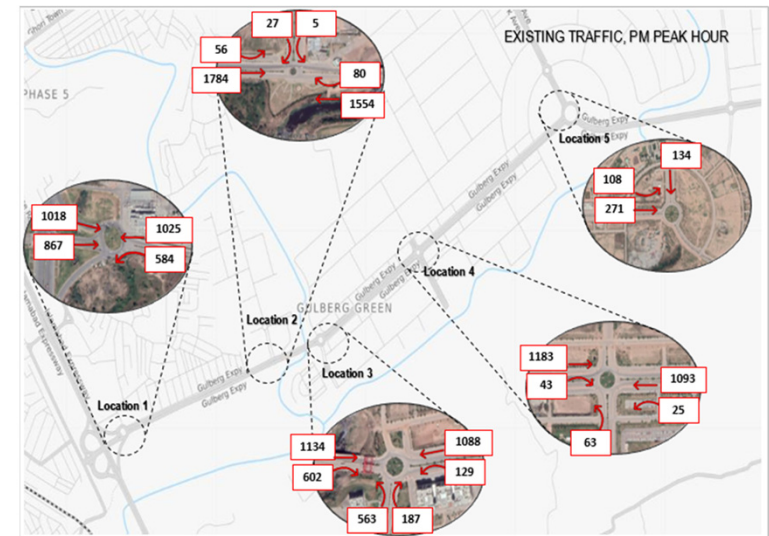
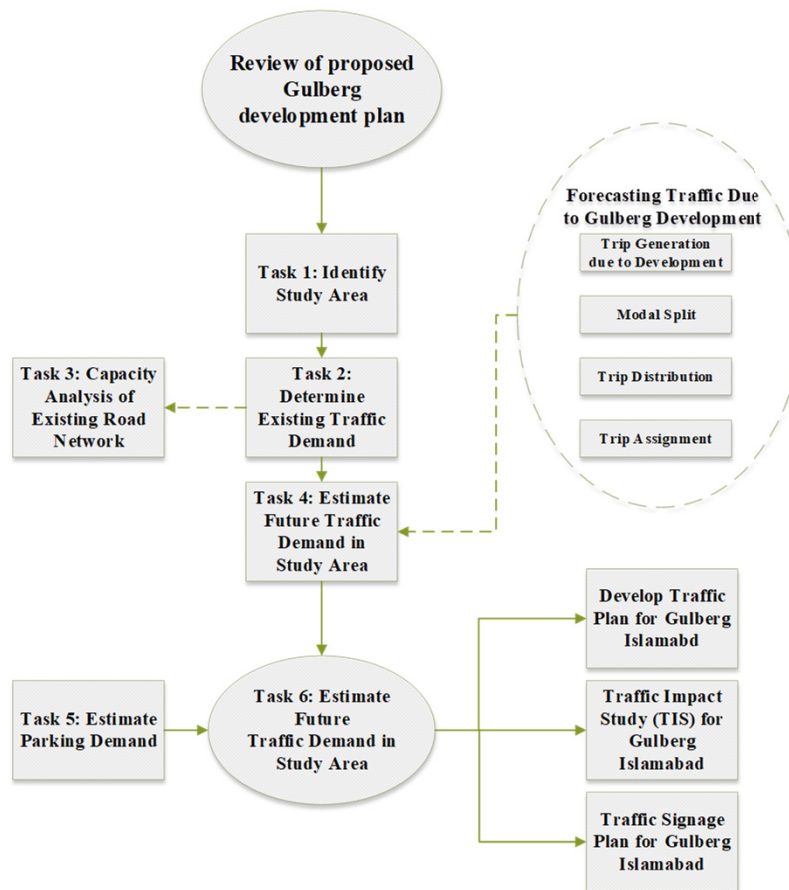
### Completion Date:

On-going

### Project Description

The proposed development consists of multi land-use. The proposed development of Gulberg Islamabad is spread over an area of more than 42,000 kanal. The development consists of a mix land use i.e., Commercial, Residential, and Institutional. The main goal of the project to develop the transportation master plan for the Gulberg Area and provide safe and efficient transportation system to the local residence.

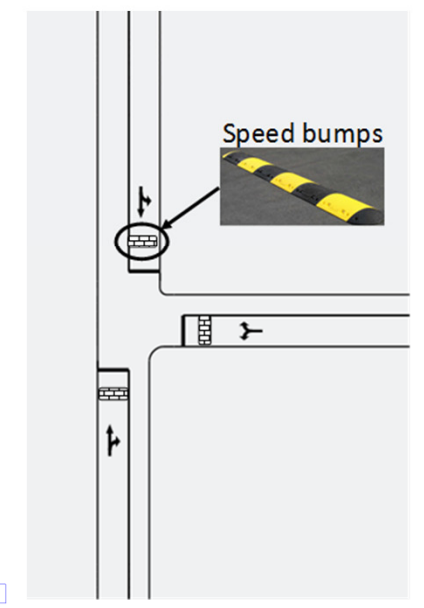
### Project Methodology





## ENTERPRISES

May, 2020





## Permanent Traffic Counts at Four Locations for 365 Days

### Project Location:

M-1 (Near AWT Interchange)  
N-35 (Near Hassan Abdal)  
N-45 (Near Risalpur),  
N-5 (Near Mullan Mansoor)

### Client:

Finite Engineering  
(Pvt.) Ltd)

### Client Contact:

2<sup>nd</sup> Floor, Ghousia  
Plaza, Main Jinnah  
Avenue, Blue Area,  
Islamabad

### Start Date:

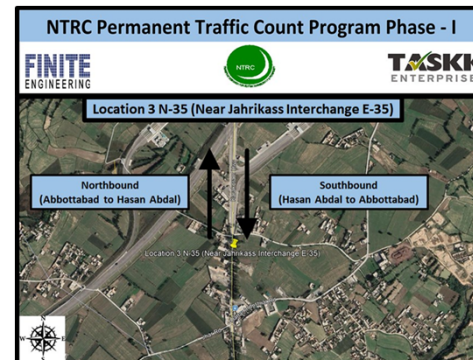
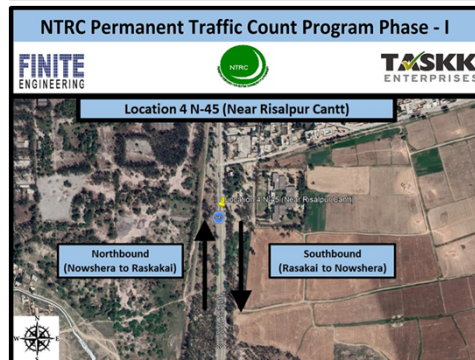
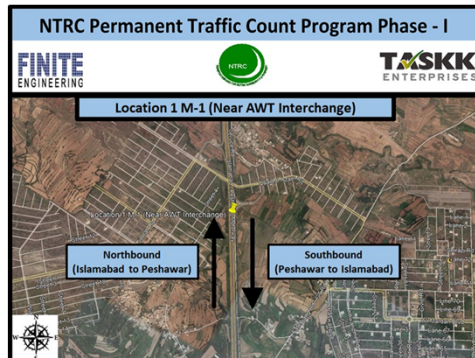
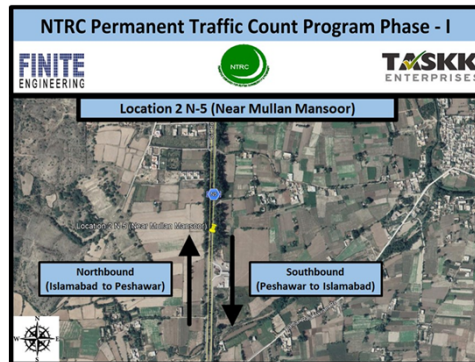
December 2019

### Completion Date:

January 2020

### Project Description

Classified directional counts are conducted on Four locations for a year. The locations are on M-1, N-35, N-45, and N-5. The permanent counters were installed on each location.





# Our Projects

## Traffic Impact Study (TIS) AND Traffic Circulation Plan for Zaver Pearl Continental Hotel, Peshawar, KPK

### Project Location:

Peshawar, KPK

### Client:

Pearl Real Estate Holdings (Pvt.) Ltd

### Client Contact:

CORPORATE OFFICE:  
PTET Tele House,  
3rd Floor, Mauve  
Area, Sector G-10/4,  
Islamabad.

### Start Date:

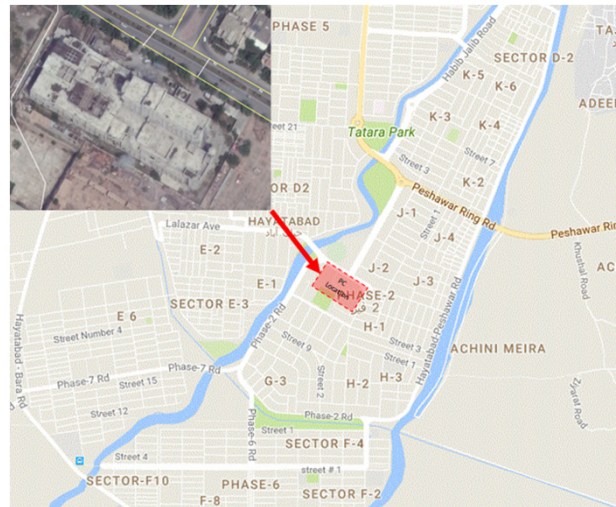
July, 2019

### Completion Date:

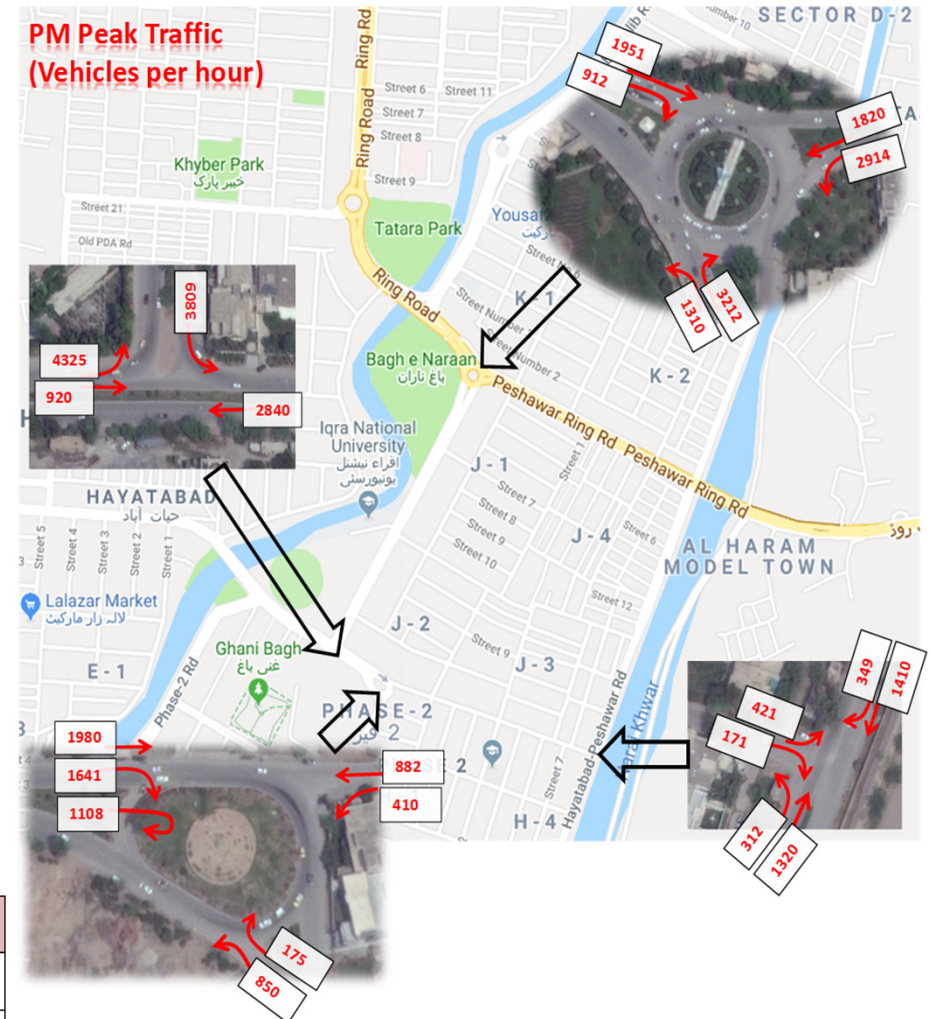
September, 2019

### Project Description

Traffic Impact Study and Traffic Circulation for Pearl Continental Hotel, Peshawar, KPK. The PC hotel is a multistory frame structure having total covered area of 363,783 square feet.



Land Use	Units
Hotel	100 Rooms
Banquet Hall	1590.5 m <sup>2</sup>
Shopping Mall (Cinema, Restaurants, Retail shops)	4,557 m <sup>2</sup>





## Classified Traffic Counts for Rawalpindi Ring Road

### Project Location:

Rawalpindi and  
Islamabad

### Client:

Zeeruk International  
Pvt. Ltd

### Client Contact:

Time Square Plaza, 3<sup>rd</sup>  
Floor, I-8 Markaz,  
Islamabad

### Start Date:

January, 2020

### Completion Date:

January, 2020

### Project Description

Classified directional counts were conducted at 11 locations for Rawalpindi Ring Road Project. Video Recording Units were installed at each location.



# Our Projects (Cont'd)

## Traffic Study

### Lahore – Sialkot Motorway

#### Project Location:

Multiple Cities in the Province of Punjab

#### Client:

Osmani & Company (Pvt.) Ltd.

#### Client Contact:

IEP Building, Liberty Roundabout, Gulberg III, Lahore

#### Start Date:

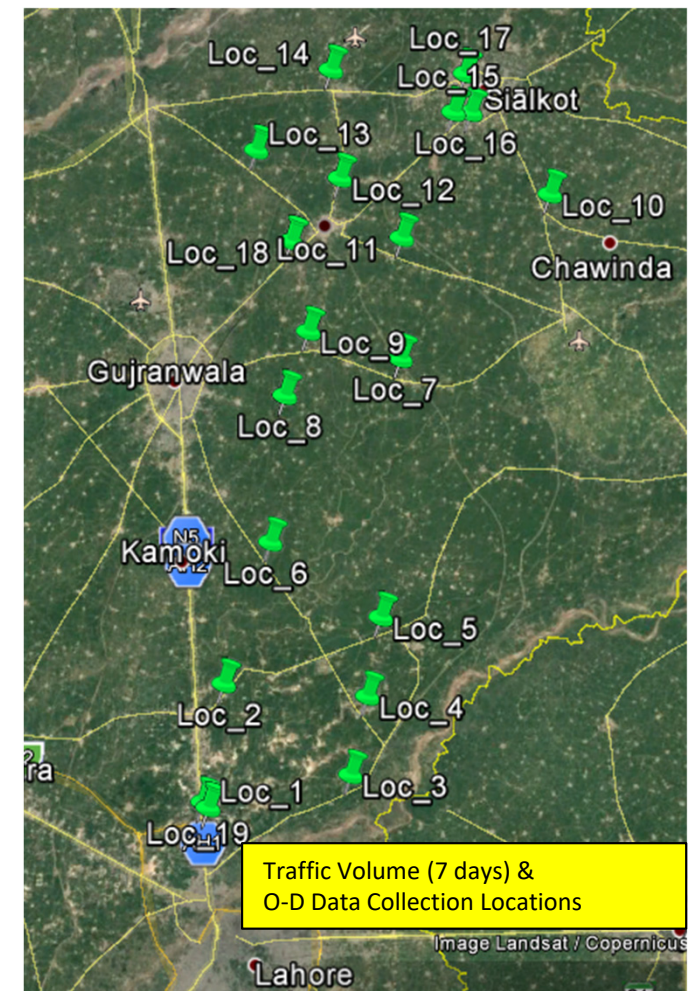
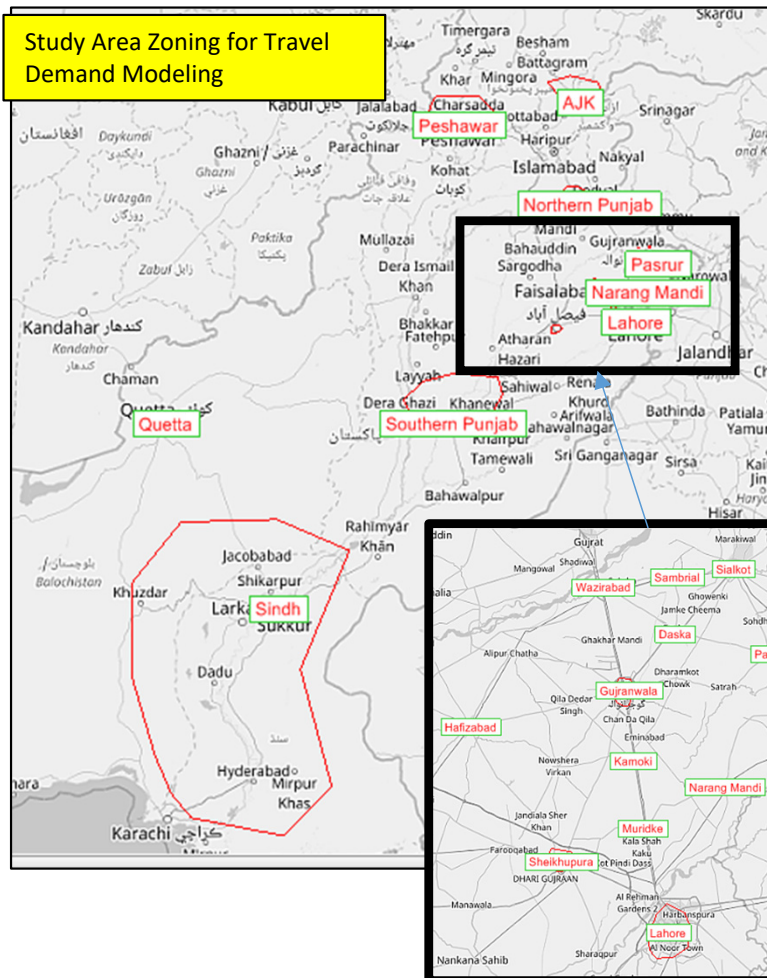
Dec 2016

#### Completion Date:

Feb 2017

#### Project Description

The Lahore – Sialkot Motorway will be a 4-Lane facility with controlled access. The proposed motorway will originate from Kala Shah Kaku (KSK) and ends at City of Sambrial. At KSK, providing access to N-5 and as well as to M-2 through Lahore Bypass Link road to M-2. Total length of proposed Lahore – Sialkot Motorway is 89 Km. The main purpose of this study is to estimate future travel demand on the proposed Motorway. TASKK Enterprises conducted; Traffic Volume Study, Origin Destination Survey, Travel Time Study, Travel Demand Estimation





# Our Projects (Cont'd)

## Lahore Ring Road Project

### Lahore, Pakistan

**Project Location:**

Ring Road, Lahore

**Client:**

Zeeruk International  
(Pvt.) Ltd

**Client Contact:**

Inam Minhas, CEO,  
Zeeruk International

**Start Date:**

March 2016

**Completion Date:**

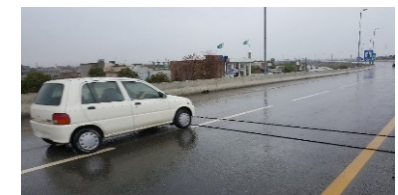
April 2016

**Project Description**

The Lahore Ring Road Authority (LRRA) is planning to extend the existing Lahore Ring Road (Northern Loop). The main objective of the Lahore Ring Road is to provide a high mobility road network for moving in and around the Lahore City. The proposed extension “Southern Lahore Ring Road Loop” will be 30.4 km. The southern loop project starts from the end point of Northern Loop i.e. Kamahan and ends at Multan Road. The proposed southern loop divided into three sections:

- Section 1 (SL-1): Kamahan → Ferozepur Road (Gajju Mattah) (Length 9.35 Km)
- Section 2 (SL-2): Ferozepur Road (Gajju Mathah) → Raiwind Road (Length 13.0 Km)
- Section 3 (SL-3): Raiwind Road → Multan Road (Length 8.0 Km)

The proposed Southern Loop will pass through major housing schemes and areas including Gajju Mattah, Islampura, Fazaia Housing Society, Bahria Town, and NFC-II housing scheme. The survey was conducted on Eight Locations out which five are located in the existing northern loop and remaining three are the major crossing of proposed southern Lahore Ring Roads.





### Project Location:

Mirpur, AJK

### Client:

Pearl Real Estate Holdings (Pvt.) Ltd

### Client Contact:

CORPORATE OFFICE:  
PTET Tele House,  
3rd Floor, Mauve  
Area, Sector G-10/4,  
Islamabad.

### Start Date:

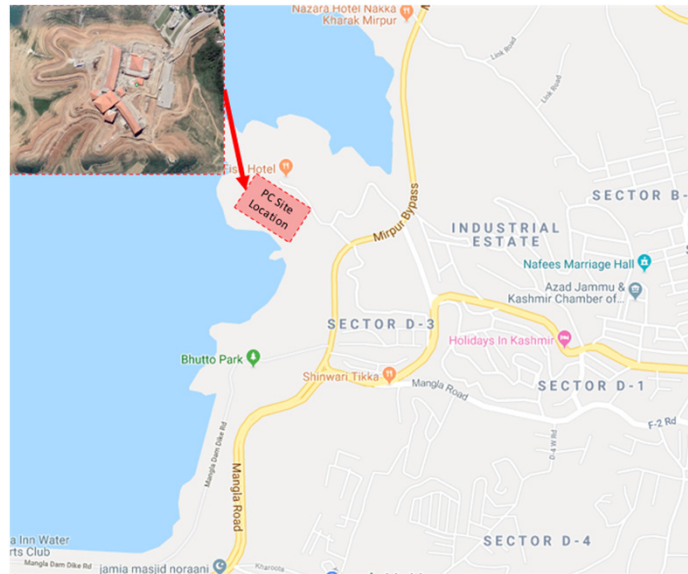
March, 2019

### Completion Date:

May, 2019

### Project Description

Traffic Impact Study, parking demand estimation, and Traffic Circulation for Pearl Continental Hotel, Mirpur, AJK. The PC hotel is a multistory frame structure having total covered area of 363,783 square feet.



Land Use	Units
Hotel	163 Rooms
Banquet Hall	1802.49 m <sup>2</sup>
Restaurants	2,097.60 m <sup>2</sup>
Pre-Function Halls (Meeting Rooms, Board Rooms)	1,481.83 m <sup>2</sup>
Retail Shops	74.96 m <sup>2</sup>
Spa and Health Club	2,160.67 m <sup>2</sup>



# Our Projects (Cont'd)

## Traffic Impact Study and Traffic Management Plan

### Centaurus Mall, Islamabad

#### Project Location:

Centaurus Mall,  
Islamabad

#### Client:

PakGulf Construction  
(Pvt) Ltd

#### Client Contact:

Tower A, Centaurus  
Mall, Islamabad

#### Start Date:

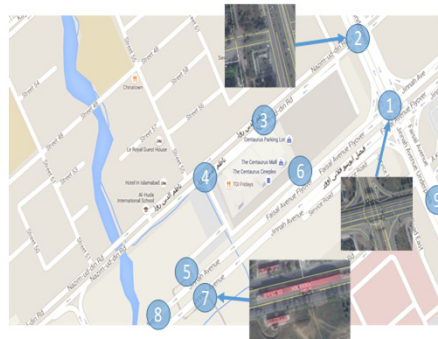
June 2016

#### Completion Date:

Feb 2017

#### Project Description

**TASKK Enterprises** had been commissioned to carry out the Traffic Impact Study (TIS) for proposed extension and new development within the vicinity of existing Centaurus Development by **Pak Gulf Constructions (Pvt) Ltd.** and **Total Project Management Solutions (Pvt) Ltd. (TPMS)**. The Centaurus is a mix used development consist of shopping mall, residential apartments, office space, and hotel. The client wants to expand the development with addition of 12,253 m<sup>2</sup> of adjacent land. The proposed new facilities are commercial space, hotel and parking garage. The scope of the study includes: Determine the existing traffic Demand for Centaurus Development, Evaluate the Parking Operations for existing Centaurus Development, Determine travel time to reach Centaurus Development from surrounding Roads, Evaluate overall existing traffic operations at Centaurus Development Determine Future Traffic Demand due to the extension of Centaurus Development.



Legend	Description	Type and Duration of Count Proposed
1	Jinnah Avenue & Faisal Avenue Roundabout	Classified Turning Movement Counts for Three Days 16 Hours per day
2	Nazim - ud- Din Road	
3 4 5 6	Entry and Exit Points for the Development	Classified Directional Counts for Three Days 16 hours per Day
7	Metro Bus Station	Pedestrian Counts coming and going out of the Development using Metro
8	Jinnah Avenue	Classified Directional Counts for Three Days 16 hours per Day
9	Faisal Avenue/Islamabad Expressway	



Legend	Description	Capacity (No of Parking Spaces)
	Mall Ground Parking	586
	Mall Underground Parking (Two Floors)	392
	Resident Parking	243



# Our Projects (Cont'd)

## Abdul Hakeem – Lahore Motorway

### Section of Karachi – Lahore Motorway (KLM)

#### Project Location:

Multiple Cities in the Province of Punjab

#### Client:

National Highway Authority (NHA)

#### Client Contact:

NHA Head office, Islamabad

#### Start Date:

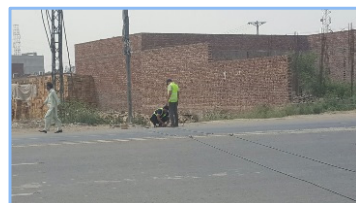
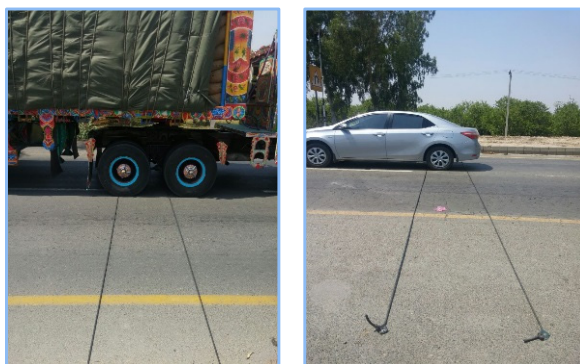
May 2016

#### Completion Date:

May 2016

#### Project Description

**TASKK Enterprises** had conducted the traffic volume study for Lahore – Abdul Hakeem Motorway, section of Karachi Lahore Motorway (KLM). The total length of proposed Lahore Abdul Hakeem Motorway is 229 km. The proposed project will start near the Ravi Toll Plaza on M-2 and end in the city of Abdul Hakeem. The survey locations & Schedule is shown below:



Location ID	Description	Coordinates	Type of Counts	Number of Days	Dates
1	On Jaranwala Road, Near M-2 Interchange	31°35'4.31"N, 74°12'28.84"E	Classified Directional Counts	3	5 <sup>th</sup> , 6 <sup>th</sup> , & 7 <sup>th</sup> May, 2016
2	M-2 Ravi Interchange Lahore	31°33'26.10"N, 74°14'30.08"E		2	12 <sup>th</sup> & 13 <sup>th</sup> May, 2016
3	Nankana Sahib Road	31°22'0.43"N, 73°48'13.26"E		1	12 <sup>th</sup> May, 2016
4	Okara - Faisalabad Road, Near Samundri	31° 2'44.79"N, 73° 0'33.40"E		1	12 <sup>th</sup> May, 2016
5	Mamu KANJAN Kamalia Road,	30°44'14.62"N, 72°40'11.15"E		1	12 <sup>th</sup> May, 2016
6	Shorkot Road	30°46'45.53"N, 72°25'56.36"E		1	12 <sup>th</sup> May, 2016
7	Jhang Road, Near Shorkot	30°48'54.23"N, 72° 3'42.16"E		3	5 <sup>th</sup> , 6 <sup>th</sup> , & 7 <sup>th</sup> May, 2016
8	G.T Road, Mian Channu Toll Plaza	30°27'31.19"N, 72°25'40.12"E		3	5 <sup>th</sup> , 6 <sup>th</sup> , & 7 <sup>th</sup> May, 2016
9	G.T Road, Pattoki Toll Plaza	30°58'16.97"N, 73°46'20.67"E		3	5 <sup>th</sup> , 6 <sup>th</sup> , & 7 <sup>th</sup> May, 2016

# Our Projects (Cont'd)

## Pilot Axle Load Survey on N-5 Peshawar to Karachi

### Project Location:

Weigh Stations along  
N-5 (G.T. Road)

### Client:

NUST, NTRC,  
Islamabad

### Client Contact:

NTRC,  
Sector H-8/2,  
Islamabad

### Start Date:

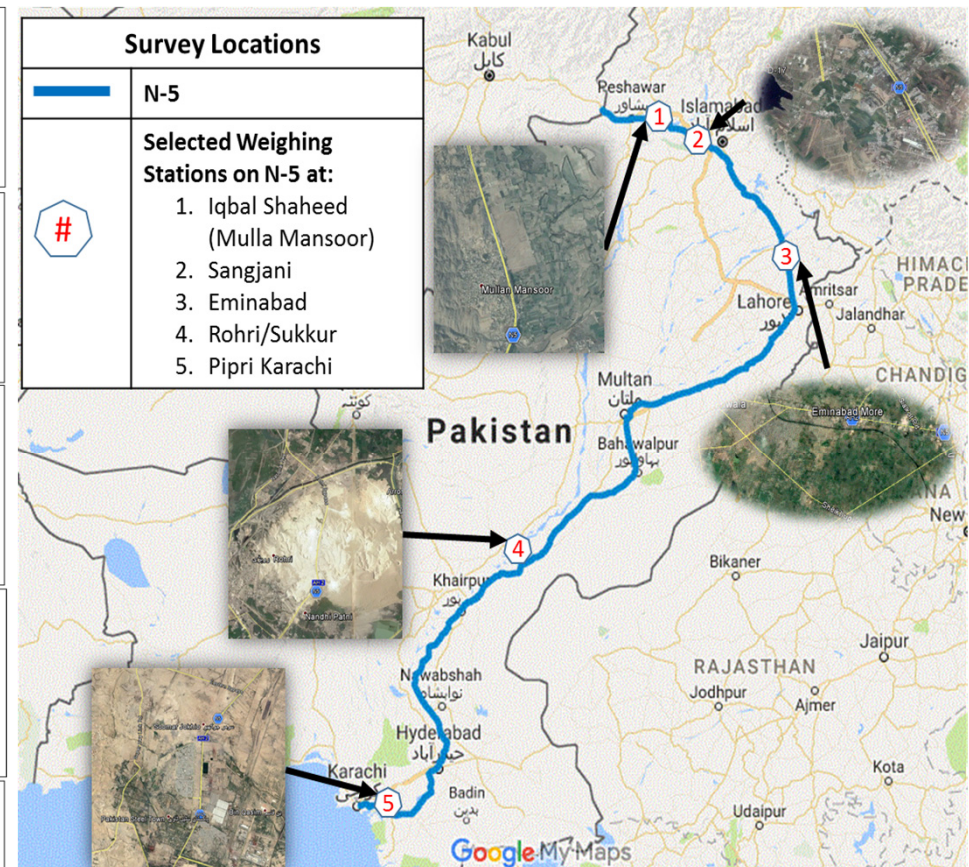
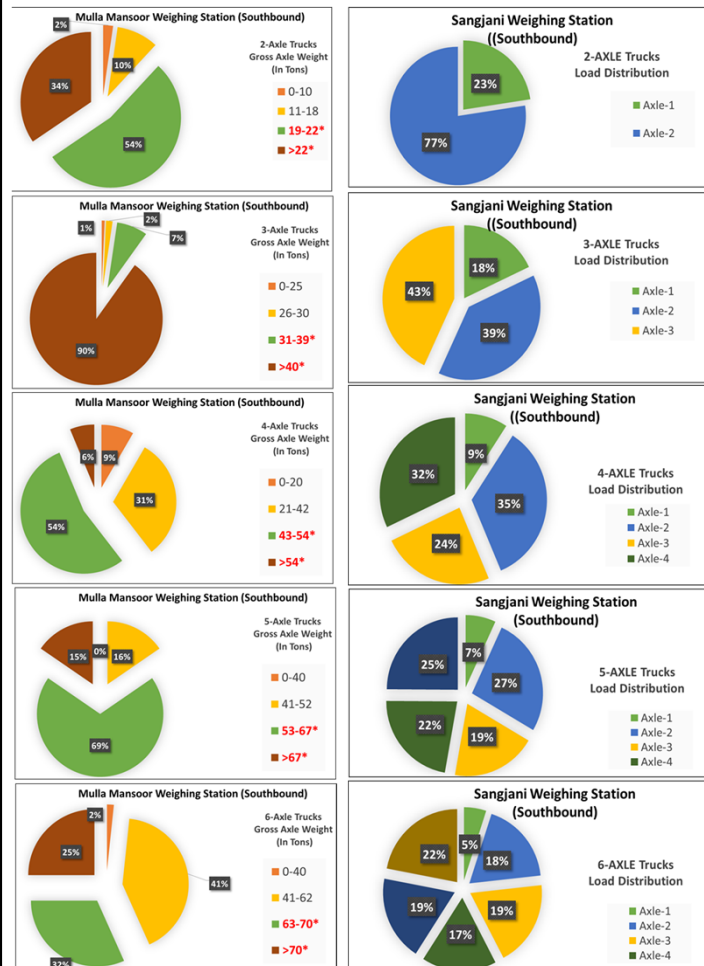
April 2017

### Completion Date:

July 2017

### Project Description

This pilot study is an outcome of efforts by National Transport Research Center (NTRC) to update traffic related database to assist decision makers and planners in making informed decisions. Vehicle loading characteristics are important for road pavement design and maintenance. The only effective way to compare the damaging effect of traffic on given roads is to measure the complete spectrum of axle loads. Axle Load Surveys and Analysis is essential to assist in planning and the design phases of roads. The primary objective of this pilot study was to collect the axle load data and analyze the loading pattern on N-5.





# Our Projects (Cont'd)

## Traffic Volume Study on FATA Roads Bajaur, Mohmand, Khyber, Kurram Agencies

### Project Location:

FATA Area

### Client:

Zeeruk International  
(Pvt.) Ltd

### Client Contact:

Inam Minhas, CEO,  
Zeeruk International

### Project Description

Traffic Volume Study was done on different roads in FATA Area. The Video Recording Units (VCU) were installed on each location to collect traffic volume data. The study locations were:

The roads includes:

#### ✓ Kurram Agency

- ❖ Parachinar Bypass
- ❖ Parachinar to Said Karam
- ❖ Kot Miran to Taudo Ubo
- ❖ Doger to Samma

#### ✓ Mohmand Agency

- ❖ Jhanda Post to Dab Kor

#### ✓ Bajaur Agency

- ❖ Khar to Barang

#### ✓ Khyber Agency

- ❖ Andkhail to Bara River
- ❖ Kuraiz to Abishail,
- ❖ Khad Bazar to Kalaya & Kalaya Bypass

### Start Date:

September 2017

### Completion Date:

November 2017



# Our Projects (Cont'd)

## G.T. Road Expressway from Shahdara-Kala Shah Kaku (Rachna Town)

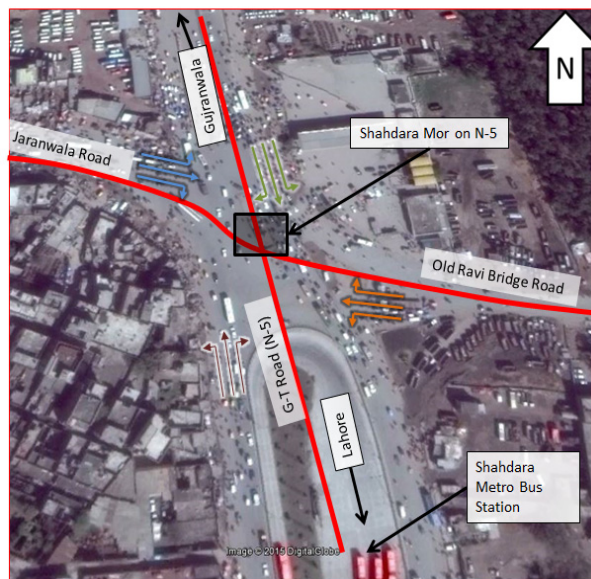
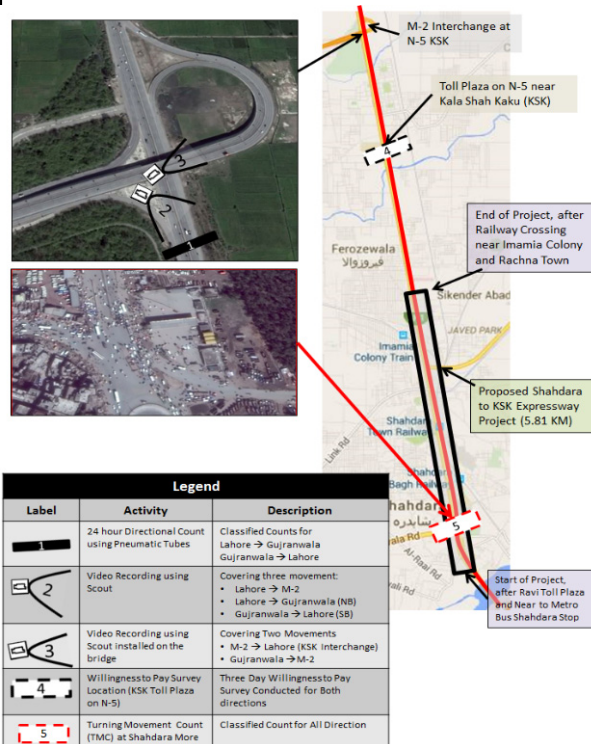
**Project Location:**  
Shahdara, Lahore

**Client:**  
Zeeruk International  
(Pvt.) Ltd

**Client Contact:**  
Inam Minhas, CEO,  
Zeeruk International

**Start Date:**  
Jan 2015

**Completion Date:**  
May 2015



### Project Description

The Lahore Development Authority (LDA) is planning to build a grade separated Expressway from Shahdara to Kala Shah Kaku on N-5. The total length of proposed expressway is 5.81 km, starting after Ravi Toll Plaza and ending at Rachna Town located after the Imamia Colony Railway Crossing. TASKK Enterprises had conducted 24 hours counts, turning movement counts (TMC) and Willingness to pay survey on N-5 (GT Road) near Kala Shah Kaku. Turning Movement Counts (TMC) were conducted at the Shahdara More near to Metro Bus Shahdara station. The basic purpose of collecting the traffic volume data and willingness to pay survey is to determine the traffic demand on Shahdara - Kala Shah Kaku section and also the peak hour demand on Shahdara More. The survey includes the following:

#### Directional Classified Counts at one location

Three Days (Wednesday, Thursday, Friday)  
Classified counts

#### Turning Movement Counts at Shahdara More

Two Days (Thursday, Friday)  
Classified Counts  
Peak Periods (8:00 AM to 11:00 AM, 3:00 PM to 7:00 PM)

#### Willingness to Pay Survey

Developed Willingness to Pay Survey Questionnaire  
Conduct Survey at the project location

TASKK conducted 24 hours counts using Pneumatic Tubes of Metro counters and TMC using Scout video recording unit.



# Our Projects (Cont'd)

## Malakand Tunnel Project

### Malakand, KPK

#### Project Location:

Darghi , Batkhela N-45, KPK

#### Client:

National Highway Authority, NHA

#### Client Contact:

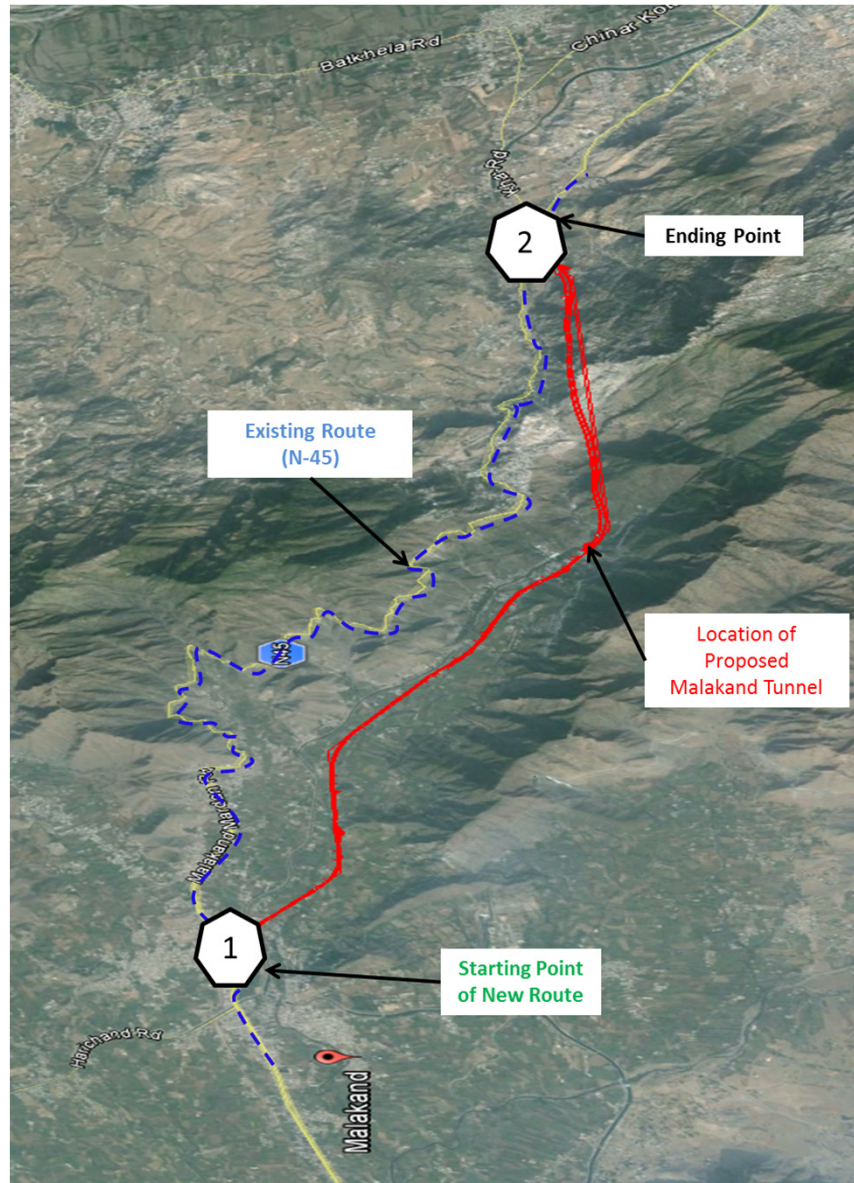
NHA Head office, Islamabad

#### Start Date:

December 2015

#### Completion Date:

Jan 2016



#### Project Description

The National Highway Authority is planning to build a Malakand Tunnel on N-45 highway. The main purpose of this project to reduce the travel time and provide an efficient access to the local people. The proposed project would also facilitate the tourists traveling to the northern area. The existing route used by the travelers is approximately 14 km and by the construction of the Tunnel the length of the route will reduce to 10 km and travel time will be reduced significantly. Moreover, the proposed project will also increase the traffic safety level of the corridor. **TASKK Enterprises** had conducted the 24 hours classified counts on N-45 near the starting and Ending location of proposed Malakand Tunnel. The basic purpose of collecting the traffic volume data is to determine the traffic demand on N-45.

#### Directional Counts at two locations

One Day (Wednesday)

Classified counts

TASKK conducted 24 hours counts using Scout Video Recording Unit.



# Our Projects (Cont'd)

## Traffic Study

### Swat Expressway, KPK

#### Project Location:

Multiple Cities in the Province of KPK

#### Client:

Associates Consulting Centre (ACC)

#### Client Contact:

Plaza 1-B, St 57, G-9/4, Islamabad,

#### Start Date:

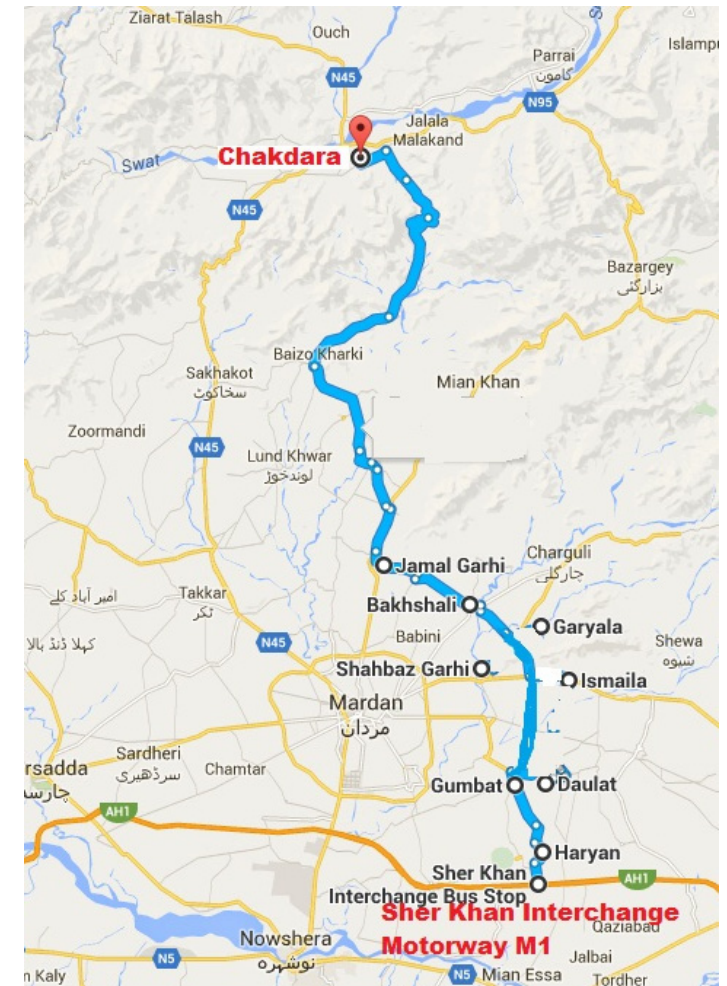
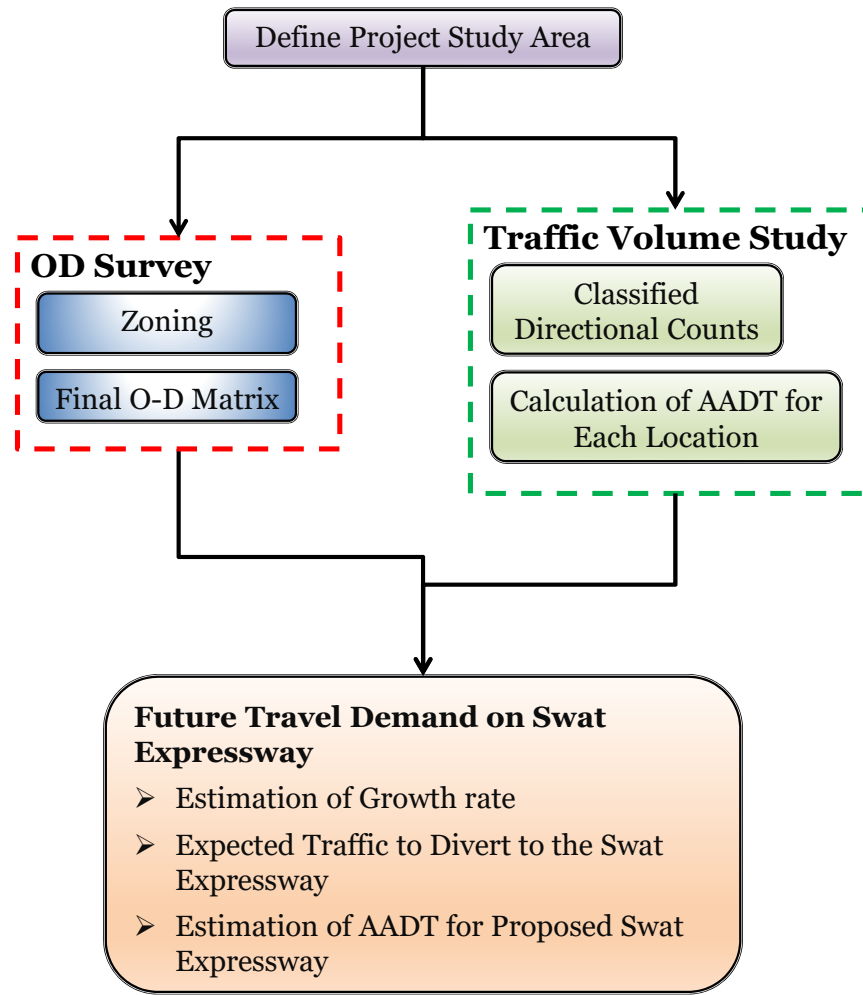
August 2016

#### Completion Date:

Nov 2016

#### Project Description

Swat Expressway (4-Lane) Expressway will originate from Kernal Sher Khan Interchange on M-1 and ends at Chakdara near intersection of N-45 and N-95. The Swat Expressway alignment will move parallel to the existing N-45 highway. The proposed Swat Expressway will have seven interchange including already existing Kernal Sher Khan Interchange on M-1. The alignment will terminated near the junction of N-45 and N-95, from which traffic diverts to Dir, Swat and other cities. The flow chart bellows shows the activities performed by **TASKK Enterprises**



# Our Projects (Cont'd)

## Traffic Impact Assessment (TIS)

### Residential & Commercial Development (29 Floor Building)

#### Project Location:

Clifton, Karachi

#### Client:

Afghan Carpet.

#### Client Contact:

Afghan Carpet,  
Clifton, Karachi  
Lahore

#### Start Date:

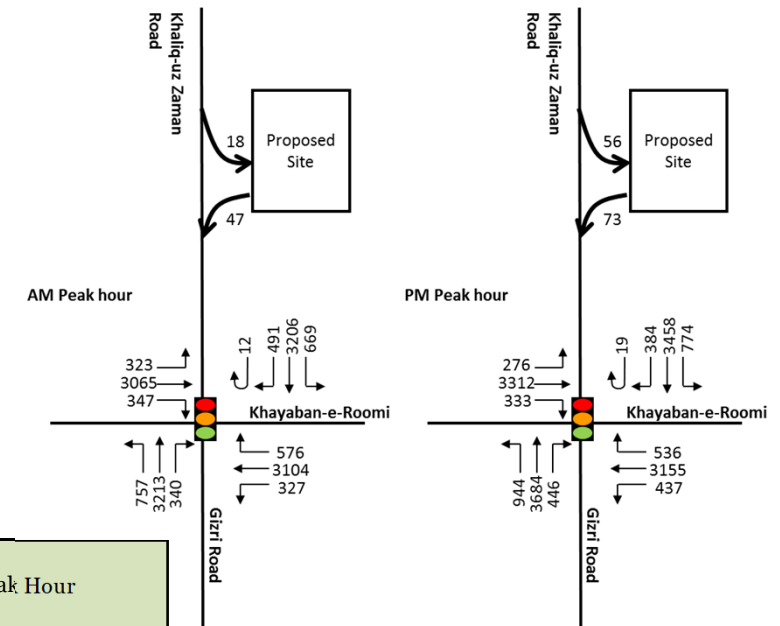
April 2017

#### Completion Date:

July 2017

#### Project Description

The development site is located on the North side of the Submarine Chowk (Intersection of Chaudhary Khaliq-uz-Zaman/Khayaban-e-Roomi/Gizri Road). The traffic impact study was conducted by estimating the number of trips attracted and produced by the Mix Use Development. The Trip Distribution and Traffic Assignment was done using the existing traffic patterns. The capacity analysis of Submarine Chowk was performed to evaluate the impact of our development. The technical report of TIS report was submitted to the client.



Land Use	Area/Numbers	A.M. Peak Hour			P.M. Peak Hour		
		Entering	Existing	Total	Entering	Existing	Total
3 Bed Room Apartments	38 Apartments	6	30	36	22	24	46
4 Bed Room Apartments	10 Apartments	2	10	12	7	8	15
Retail Shops	15,360 Square Feet	10	7	17	27	41	68
	<b>Total New Trips</b>	<b>18</b>	<b>47</b>	<b>65</b>	<b>56</b>	<b>73</b>	<b>129</b>

# Our Projects (Cont'd)

## Road Safety Inspection of N-5 ( Rawalpindi to Taxila Section)

### Project Location:

Islamabad

### Client:

NTU Consultant

### Client Contact:

Rosemary, Team  
Leader, NTU

### Start Date:

November 2017

### Completion Date:

December 2017

### Project Description

The geo-reference video recording was done for both directions of Rawalpindi – Taxila Section of N-5. The GPS high quality camera was used to record HD video. The videos were used to identify the road safety related issues on the section.





## Road Safety Audit of Abdul Hakeem Lahore Motorway

### Project Location:

Lahore – Abdul  
Hakem

### Client:

China Railway  
Construction  
Corporation Limited  
(CRCC)

### Client Contact:

Wang Ya, FHCC,  
Islamabad Office

### Start Date:

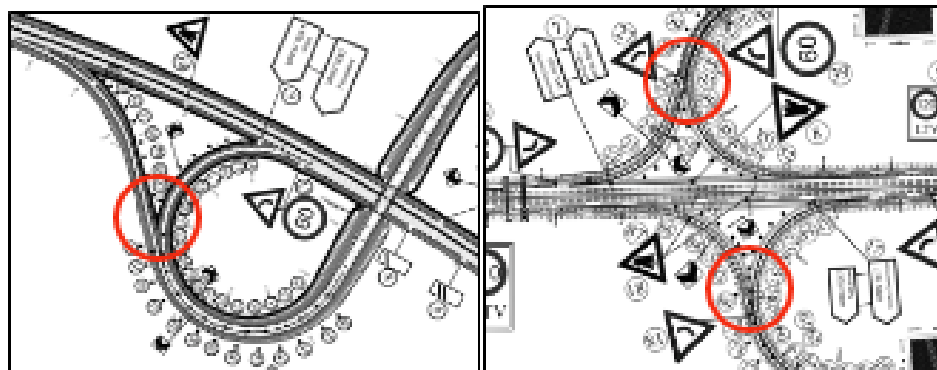
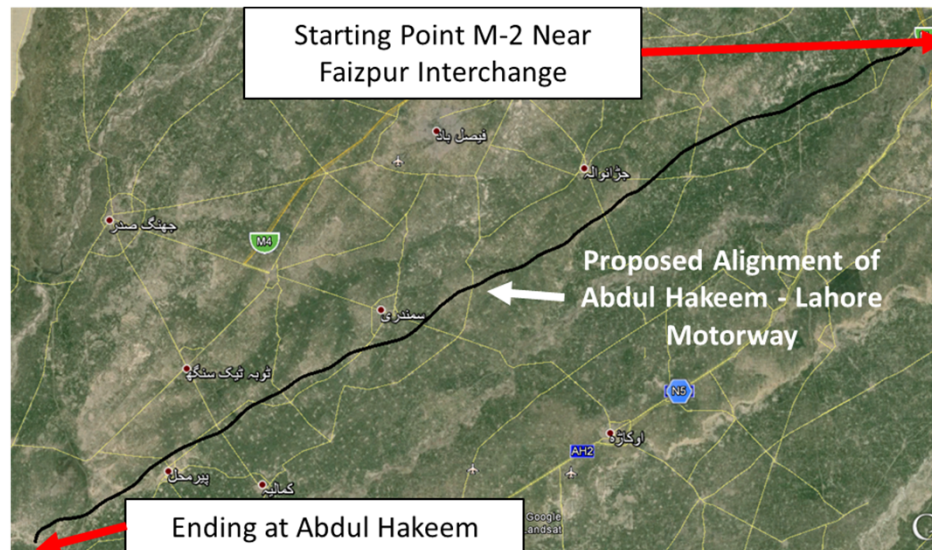
December 2017

### Completion Date:

February 2018

### Project Description

Stage -2 (Detail Design Stage) was carried out on the detail design of the Section III Abdul Hakeem – Lahore of the Karachi – Lahore Motorway (KLM). The audit comprised of a review of the drawings related to the scheme supplied by the design office and a visit to the site by the team. The stage 2 audit had been carried out in accordance with international recognized practices, with particular reference to the European Directive 2008/96/EC.



# Our Projects (Cont'd)

## Traffic Volume Study for Masfout & Al Manama 2030 Urban & Transportation Master Plan 2030, Ajman, UAE

### Project Location:

Ajam, UAE

### Client:

ICON Consultant  
Engineers

Ajman Municipality

### Client Contact:

Abdul Hameed  
Arwani, CEO, ICON  
Consultant Engineers

### Start Date:

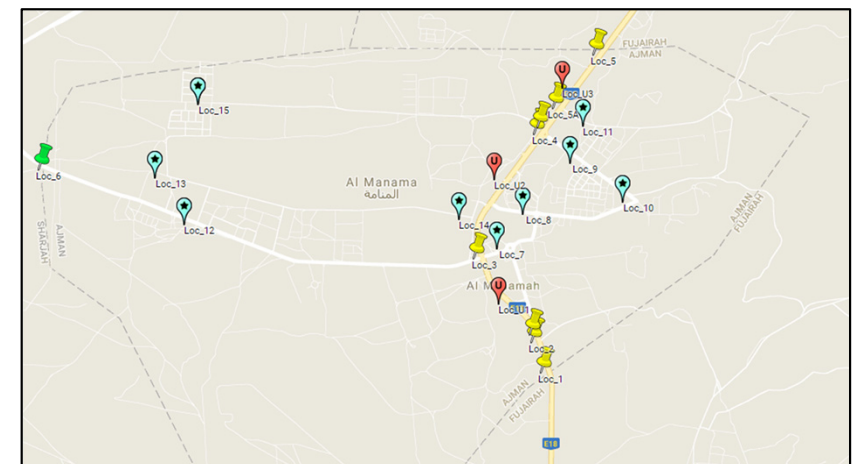
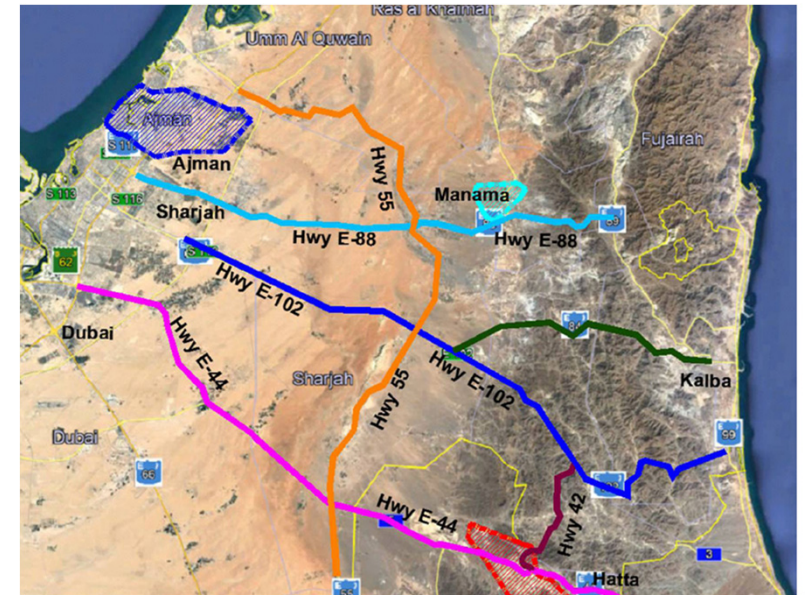
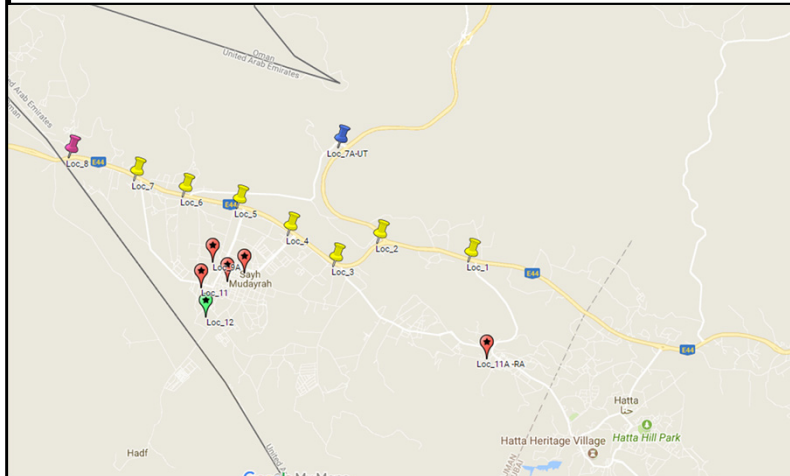
December 2017

### Completion Date:

February 2018

### Project Description

Traffic Volume Study at 32 locations in the area of Masfout and Al Manama. The traffic counts were done using Video Recording Units (VCU) for three days. Countcam-2 were used to record the data from all locations. The extraction was done to estimate the current demand on the existing roadway network of both areas.





# Our Projects (Cont'd)

## Road Safety Audit of Sukkar Multan Motorway (JV with Fred Engineering)

**Project Location:**  
Multan - Sukkur

**Client:**  
China State  
Construction  
Engineering  
Cooperation Ltd  
(CSCEC)

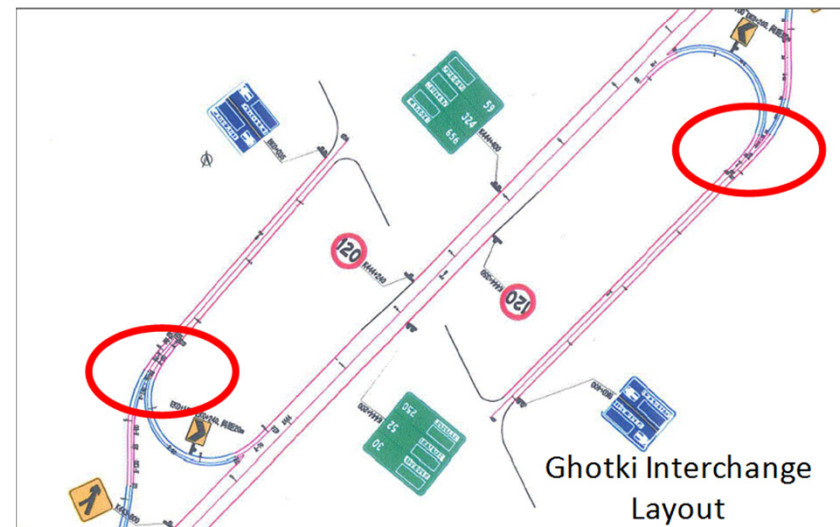
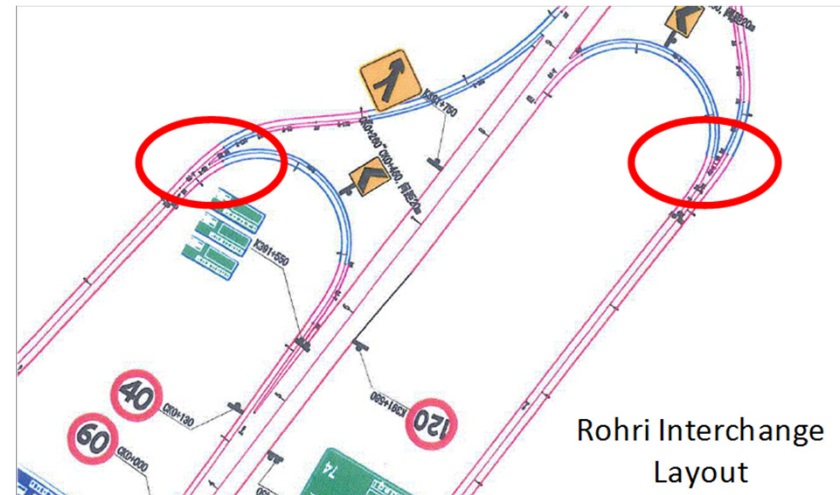
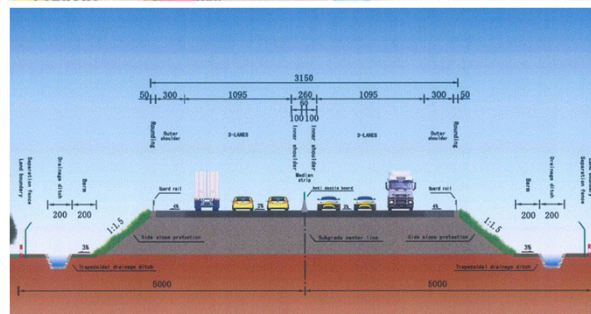
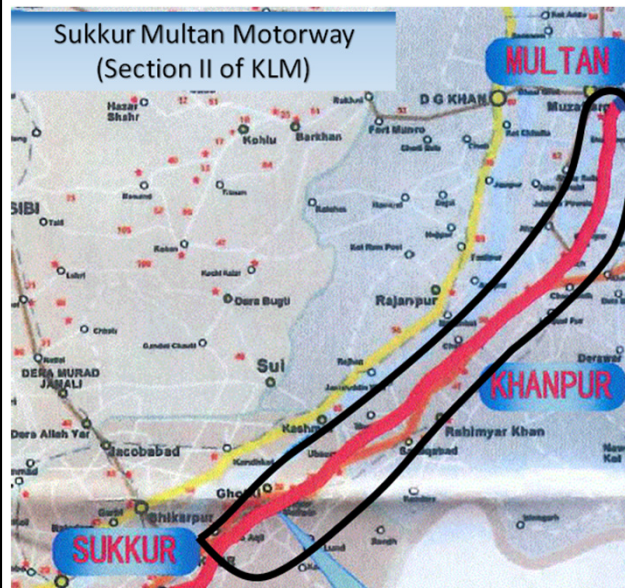
**Client Contact:**  
CSCEC, Camp Office,  
Multan

**Start Date:**  
May 2018

**Completion Date:**  
July 2018

### Project Description

Stage -1 (Feasibility Stage) and Stage -2 (Detail Design) Road Safety Audit were conducted for Sukkar Multan Motorway. The Road Safety Audit (RSA) were performed by the professional team. The team leader was the internationally certified road safety auditor. The road safety issues in the feasibility study and detail design were highlighted with suggested mitigation measures.





# Our Projects (Cont'd)

## Pilot Traffic Count Survey on N-5 @ Five Locations Peshawar to Karachi

**Project Location:**  
Multiple Locations  
along N-5 (G.T. Road)

**Client:**  
NUST, NTRC,  
Islamabad

**Client Contact:**  
NTRC,  
Sector H-8/2,  
Islamabad

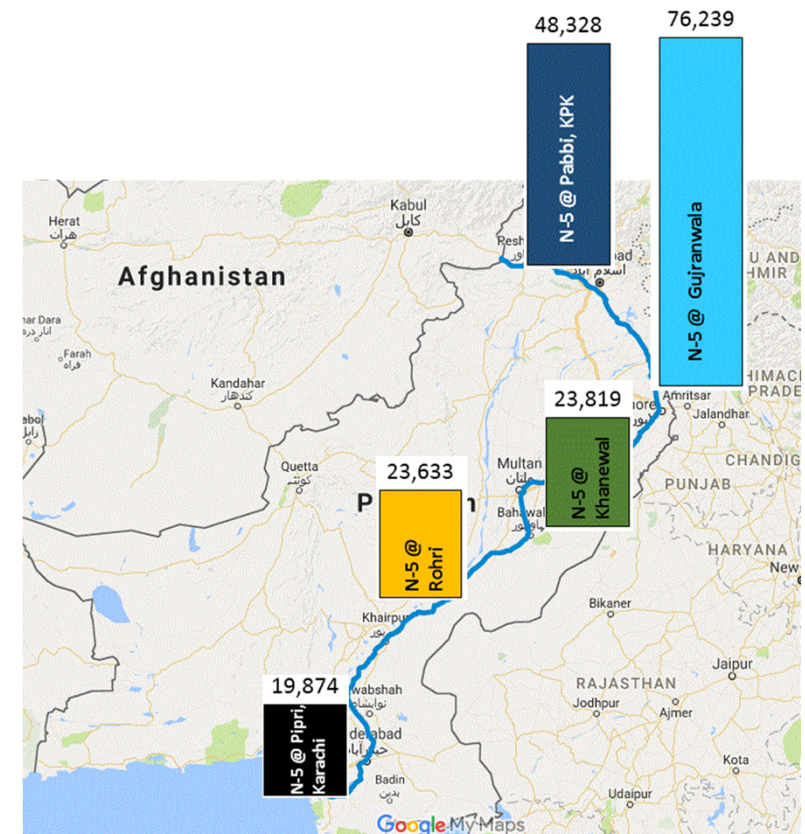
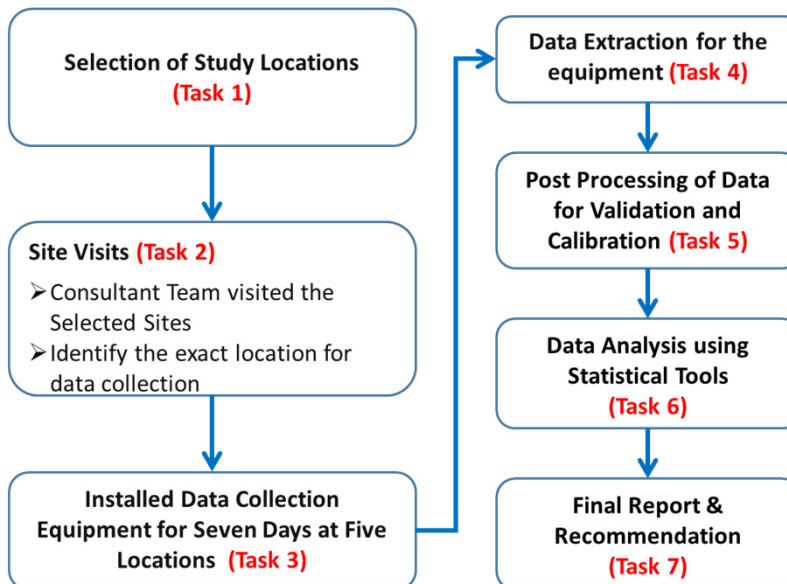
**Start Date:**  
April 2017

**Completion Date:**  
July 2017

### Project Description

The National Transport Research Center (NTRC), Ministry of Communication (MOC) is planning to collect the basic data related to the transportation sector in Pakistan. This pilot project is an effort to define a sequential methodology to collect accurate and reliable traffic volume data in an efficient manner. The basic purpose of collecting traffic volume data is to determine the existing traffic demand on the road network. The traffic volume data is used as input to perform capacity analysis, and to determine the future travel demand. The reliability, and accuracy are the fundamental requirements for any traffic volume study. In this project, consultant used State of Art equipment to perform Traffic Volume Study. Using modern tools will ensure accurate and reliable traffic volume for each location. The output of this project provides existing traffic demand on N-5.

### Methodology for the Project



# Our Projects (Cont'd)

## Signal Free/Controlled Access Corridor of Islamabad Highway From Zero Point Interchange to G.T. Road.

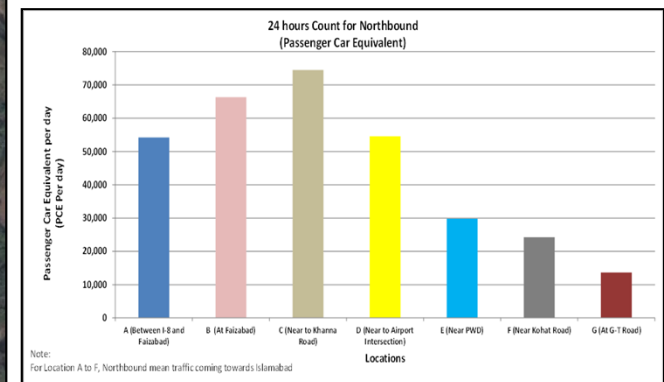
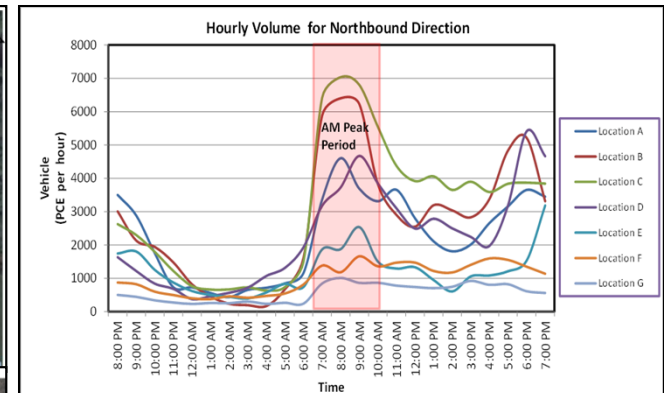
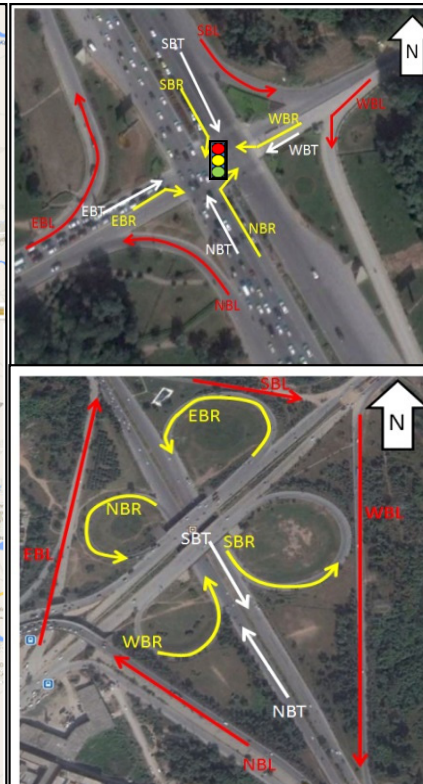
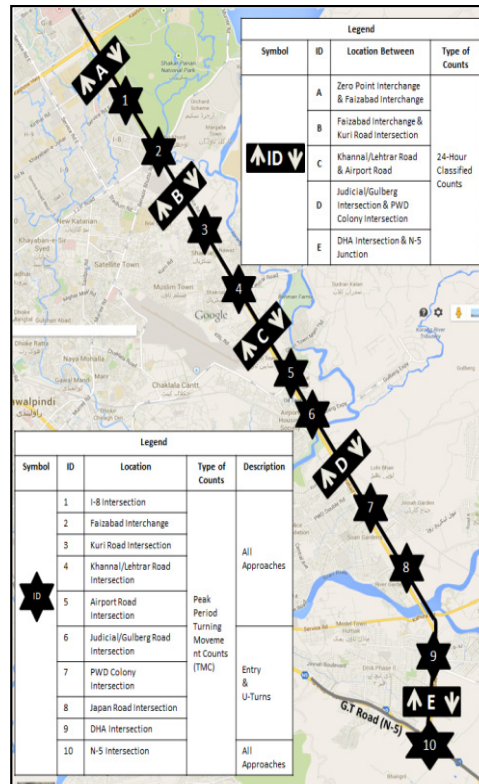
**Project Location:**  
Islamabad

**Client:**  
Capital Development  
Authority (CDA)

**Client Contact:**  
Azam Lodhi, Director  
Traffic Engineering  
Cell, CDA, Islamabad

**Start Date:**  
Nov 2014

**Completion Date:**  
Jan 2015



### Project Description

TASKK Enterprises had conducted the traffic study on Islamabad Highway. The survey scope and locations were specified by Capital Development Authority (CDA). The survey includes the following:-

- Directional Classified Counts at five locations
  - One weekday day per location
  - Classified counts
  - Hourly Volume Summary
- Turning Movement Counts at Ten locations
  - Processing of two Peak Periods
  - Classified Counts

TASKK conducted all the survey using Scout Video Recording Units.

# Contact Us

Please feel free to contact us for any Traffic Engineering services.

Your feedback, opinion and suggestions are always welcome.

## Head Office:

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+92 300 5555131

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Email: [khurram@taskk.com.pk](mailto:khurram@taskk.com.pk)

[khurramsaeed1@gmail.com](mailto:khurramsaeed1@gmail.com)