

## **CHAPTER 13: EQUIVALENCE TABLE DATABASE**

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### **13.1 OVERVIEW**

It was mentioned previously that CREATS has developed several zoning systems, which were initially based on the 512 Shiakhas to build 464 internal traffic zones in addition to some external points, special generators and spare traffic zones for future development consideration. For summarizing the transport model results, the 464 traffic zones can be aggregated into coarser zoning systems such as 60 Qisms, 18 Sectors or 8 Super-Zones depending on reporting requirements.

The existence of an equivalence (lookup) table that defines the relationship between various zoning systems is a crucial component of an urban transport database. The database user should refer to the equivalence table when summarizing database results of a finer zoning system to a coarser one.

### **13.2 EQUIVALENCE TABLE DATABASE STRUCTURE**

The simple structure of this database follows the standard format as shown in Tables 13.2.1. The codes and names of Shiakha, Traffic Zone, Qism, Sector and Super-Zone and Governorate are the basic data included in the equivalence table. Because this kind of database is self-contained and does not depend on another database file, there is no need to include a description table for data fields included in Table 13.2.1.

**Table 13.2.1 Description of Equivalence Table Database**

<b>Structure for Database:</b>		<b>EQUIVALENCE TABLE.DBF</b>			
Number of Data Records:		<b>512</b>			
Database File Path:		C:/CREATS DATABASE/EQUIVALENCE TABLE/			
Database Source:		Study Team of CREATS			
<b>Field</b>	<b>Field Name</b>	<b>Type</b>	<b>Width</b>	<b>Coded</b>	<b>Field Description</b>
1	SHIAKHA	Numeric	7		Shiakha Code
2	SHKH_NAME	Character	40		Shiakha Name
3	ZONE	Numeric	4		Traffic Zone Code
4	ZONE_NAME	Character	40		Traffic Zone Name
5	QISM	Numeric	5		Qism Code
6	QISM_NAME	Character	26		Qism Name
7	SECTOR	Numeric	3		Sector Code
8	SCTR_NAME	Character	25		Sector Name
9	SUPER_ZONE	Numeric	2		Code of Supper Traffic Zone
10	SUPER_NAME	Character	25		Name of Supper Traffic Zone
11	GVRN	Numeric	3		Governorate Code
12	GVRN_NAME	Character	10		Governorate Name

## **CHAPTER 14: SOCIO-ECONOMIC DATABASE**

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### **14.1 OVERVIEW**

Socio-economic database is one of the necessary requirement to build the transport model. Population, number of employment opportunities by sector, number of students by education sector are the major data fields to such a database. The Study Team collected information from different sources (e.g., CAPMAS) and compiled them to estimate the former socio-economic variables in the base year as well as various planning years (2007, 2012 and 2022).

### **14.2 SOCIO-ECONOMIC DATABASE STRUCTURE**

The standard file structure was used to house the socio-economic database as shown in Tables 14.2.1 and 14.2.2 for years 2001, 2007 and 2012. The database contains the following fields at the level of traffic zones:

- Traffic zone, Qism and Sector Codes.
- Area in squared meters.
- Number of Population and population density.
- Number of households and average household size
- Average monthly income.
- Employment classified by primary, secondary and tertiary sectors.
- Number of university and non-university students.
- Employment and students densities.

In year 2022, three additional fields were included as shown in Tables 14.2.3 followed by a field code description (Table 14.2.4), which is in fact the same as Table 14.2.2. The additional 3 data fields are:

- Alternative number of employees in tertiary sector.
- Alternative number of employees based on alternative tertiary scenario.
- Alternative employment density.

**Table 14.2.1 Description of Socio-Economic Database for 2001, 2007 and 2012**

<b>Structure for Database:</b>		<b>ZONE_DATA_2001.DBF, ZONE_DATA_2007.DBF and ZONE_DATA_2012.DBF</b>			
Number of Data Records:		<b>464</b>			
Database File Path:		C:/CREATS DATABASE/SOCIOECONOMIC/			
Database Source:		CAPMAS and CREATS Study Team			
Field	Field Name	Type	Width	Coded	Field Description
1	ZONE	Numeric	4	Y	Traffic Zone Code
2	QISM	Numeric	5	Y	Qism Code
3	SECTOR	Numeric	3	Y	Sector Code
4	AREA_M2	Numeric	7.3		Area of Traffic Zone (m <sup>2</sup> )
5	POP_DNST	Numeric	7		Population Density in a Relevant Year
6	POPULATION	Numeric	7		Population in a Relevant Year
7	HH_NO	Numeric	6		No of Households in a Relevant Year
8	HH_SIZE	Numeric	5.2		Average No of Persons per Household in a Relevant Year
9	HH_INCM	Numeric	5		Average Household Income in a Relevant Year (LE/Month)
10	EMP_PRMRY	Numeric	5		No of Employees in Primary Sector in a Relevant Year
11	EMP_SCNDR	Numeric	6		No of Employees in Secondary Sector in a Relevant Year
12	EMP_TRTRY	Numeric	7		No of Employees in Tertiary Sector in a Relevant Year
13	EMP_TOT	Numeric	7		Total No of Employees in a Relevant Year
14	EMP_DNSTY	Numeric	7		Employment Density in a Relevant Year
15	STDNT_NUNV	Numeric	7		No of University Students in a Relevant Year
16	STNDT_UNVR	Numeric	7		No of Non-University Students in a Relevant Year
17	STDNT_TOT	Numeric	7		Total No of Students in a Relevant Year
18	STDNT_DNST	Numeric	7		Students Density in a Relevant Year

**Table 14.2.2 Field Code Definition of Socio-Economic Database (2001, 2007 and 2012)**

<b>Field Codes Used in Database:</b>			<b>ZONE_DATA_2001.DBF, ZONE_DATA_2007.DBF and ZONE_DATA_2012.DBF</b>	
Field	Field Name	Field Description	Code	Field Code Description
1	ZONE	Traffic Zone Code		See Equivalence Table .....
2	QISM	Qism Code		See Equivalence Table .....
3	SECTOR	Sector Code		See Equivalence Table .....

**Table 14.2.3 Description of Socio-Economic Database for 2022**

<b>Structure for Database:</b>		<b>ZONE_DATA_2022</b>			
Number of Data Records:		<b>464</b>			
Database File Path:		C:/CREATS DATABASE/SOCIOECONOMIC/			
Database Source:		CAPMAS and CREATS Study Team			
Field	Field Name	Type	Width	Coded	Field Description
1	ZONE	Numeric	4	Y	Traffic Zone Code
2	QISM	Numeric	5	Y	Qism Code
3	SECTOR	Numeric	3	Y	Sector Code
4	AREA_M2	Numeric	7.3		Area of Traffic Zone (m <sup>2</sup> )
5	POP_DNST	Numeric	7		Population Density in a Relevant Year
6	POPULATION	Numeric	8		Population in a Relevant Year
7	HH_NO	Numeric	7		No of Households in a Relevant Year
8	HH_SIZE	Numeric	5.2		Average Household Size in a Relevant Year
9	HH_INCM	Numeric	5		Average Household Income in a Relevant Year (LE/Month)
10	EMP_PRMRY	Numeric	5		No of Employees in Primary Sector in a Relevant Year
11	EMP_SCNDR	Numeric	7		No of Employees in Secondary Sector in a Relevant Year
12	EMP_TRTRY	Numeric	7		No of Employees in Tertiary Sector in a Relevant Year
13	EMP_TOT	Numeric	7		Total No of Employees in a Relevant Year
14	EMP_DNSTY	Numeric	7		Employment Density in a Relevant Year
15	STDNT_NUNV	Numeric	7		No of University Students in a Relevant Year
16	STNDT_UNVR	Numeric	7		No of Non-University Students in a Relevant Year
17	STDNT_TOT	Numeric	7		Total No of Students in a Relevant Year
18	STDNT_DNST	Numeric	7		Students Density in a Relevant Year
19	ALT_TERTRY	Numeric	7		Alternative No of Employees in Tertiary Sector
20	ALT_EMPLY	Numeric	7		Alternative Total No of Employees in a Relevant Year
21	ALT_EMP_DN	Numeric	7		Alternative Employment Density in a Relevant Year

**Table 14.2.4 Field Code Definition of Socio-Economic Database for 2022**

<b>Field Codes Used in Database:</b>			<b>ZONE_DATA_2022.DBF</b>	
Field	Field Name	Field Description	Code	Field Code Description
1	ZONE	Traffic Zone Code		See Equivalence Table .....
2	QISM	Qism Code		See Equivalence Table .....
3	SECTOR	Sector Code		See Equivalence Table .....

## **CHAPTER 15: PERSON TRIP O-D MATRIX DATABASE**

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### **15.1 OVERVIEW**

Based on HIS results, the person trip Origin-Destination (O/D) matrix was initially built on the level of 464 traffic zone. As an output of the calibration phase of trip distribution process, the daily O-D matrix of person trips was estimated in the base year 2001. This chapter describes the simple structure of that trip O-D matrix. A total of around 14.07 million mechanized trips are distributed among different traffic zones within the Study Area.

### **15.2 PERSON TRIP O-D MATRIX DATABASE STRUCTURE**

The standard file structure format is used to describe the person trip O-D matrix as shown in Table 14.2.1 which has only 3 data fields including origin zone, destination zone and number of daily person trips in 2001. The codes of traffic zones are pointed out in Table 14.2.2. Equivalence Table must be consulted for the interpretation of traffic zone codes.

**Table 15.2.1 Description of Person Trip O-D Matrix Database (2001)**

<b>Structure for Database:</b>		<b>TRIPS_OD2001.DBF</b>			
Number of Data Records:		<b>215,260</b>			
Database File Path:		C:/CREATS DATABASE/TRIPS OD2001			
Database Source:		JICA Study Team			
<b>Field</b>	<b>Field Name</b>	<b>Type</b>	<b>Width</b>	<b>Coded</b>	<b>Field Description</b>
1	ZONE_ORG	Numeric	3	Y	Origin Traffic Zone
2	ZONE_DES	Numeric	3	Y	Destination Traffic Zone
3	PRSN_TRIPS	Numeric	8.3		Estimated Number of Person Trips in 2001

**Table 15.2.2 Field Code Definition of Person Trip O-D Matrix (2001)**

<b>Field Codes Used in Database:</b>			<b>TRIPS_OD2001.DBF</b>	
<b>Field</b>	<b>Field Name</b>	<b>Field Description</b>	<b>Code</b>	<b>Field Code Description</b>
1	ZONE_ORG	Origin Traffic Zone	1	See Equivalence Table .....
2	ZONE_DES	Destination Traffic Zone	2	See Equivalence Table .....

## CHAPTER 16: GIS DATABASE

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### 16.1 OVERVIEW

A Geographic information system (GIS) is a computerized database management system for managing spatially defined data. This includes the capture, storage, retrieval, analysis and display of data, i.e., GIS provides a logical and visually oriented display of information. The appearance of GIS technology has placed the entire transportation analysis and modeling process in a new and exciting light. GIS may play a central role in serving users in executive, administrative, technical and support staff positions.

The linkage of the transport networks and zone system to the GIS system generally facilitates the production of graphical output for reports or display purposes. The GIS system has in-built database facilities in its own right, again providing for some elements of the database (such as bus route information) to be cross-referenced directly.

The CREATS transport model has been built within TRIPS software which includes among its numerous capabilities the tools of using Geographic Information System (GIS) to manage, modify and optimize different layers (e.g., transport networks, zoning system).

The CREATS zone boundaries (Shiakha, Traffic Zone, Qism, Sector and Super zone) have been developed within the context of an ARC/VIEW-based GIS System. These layers could be exported to TRIPS. This facilitates network updating and cross-referencing of geographical objects (bus terminals, intermodal points) to the CREATS transport networks and traffic zone boundaries.

*The main source of CREATS GIS database is CAPMAS. An agreement has been made by CAPMAS and the Study Team for the exclusive use of GIS data for the purpose of CREATS study. Accordingly, GIS database will be submitted to ENIT in a separate computer compact disc (CD) in addition to another CD including CREATS database. A new license or approval has to be obtained from CAPMAS before using this information in another study or project.*



## **16.2 GIS DATABASE STRUCTURE**

### **(1) Layer Structure**

The standard file structure has been slightly modified to reflect the structure nature of GIS database, which is layer-based in a shape file as defined by GIS software package such as ARC/VIEW. The upper part of a layer description table comprises the following items:

- Layer name in the first line.
- Layer description in the second line.
- Layer type (polygon, line or point).
- Attribute table name.
- Number of records of attribute table
- Layer path on the Hard Disk.
- Layer source, which is mainly CAPMAS or CREATS Study Team.

The standard format is applied to the lower part of layer description table, which includes 5 columns; field number, field name, data type (numeric or character), field width and field description.

### **(2) Zoning Systems**

Various layers were built for 7 levels of zoning system:

- 512 Shiakhas
- 464 Traffic zones
- 60 Qisms
- 18 Sectors
- 8 Super Zones
- 1 Study Area
- 4 Governorate

Tables 16.2.1 through 16.2.7 show the layer structure of Shiakha, Traffic Zone, Qism, Sector, Super Zone, Study Area and Governorate zoning systems, respectively.

Table 16.2.1 shows the layer description of Shiakha zoning system, which includes area, perimeter, Shiakha CAPMAS code, Qism name, Governorate name and traffic zone code. Some socio-economic data such as population, employment, students and average monthly income are also given. It should be noted that area and perimeter are common fields in most of the polygon layers.

The 464-Traffic Zone layer was built using the Shiakha boundaries, which is described in Table 16.2.2. Number of Shiakhas in each traffic zone, Qism name and population in 2001 are kept as part of this layer.

The 60-Qism layer was built based on Shiakha boundaries as shown in Table 16.2.3. Socio-economic data in 2001 (population, employment, students and average monthly income) are included in the Qism layer. The Qism layer was aggregated to build coarser zoning systems, e.g., 18 sectors, 8 super zones, CREATS Study area and Governorate layers as indicated in Tables 4.2.4 through 4.2.7.

### **(3) Socio-Economic Data**

Socio-economic data in different planning years have been incorporated in 464 traffic zones as shown in Table 16.2.8. Information such as population, employment, students and income are included in socio-economic layers.

### **(4) Road Network**

The street layer obtained from CAPMAS was built to be useful in some applications other than transport networks. However, this layer was used as a background to present scenario outputs. Street layer structure is shown in Table 16.2.9 which has only two data fields; street segment length (meter) and street name.

Major road layer has been developed to illustrate some major roads within the Study Area. Table 16.2.10 indicates the layer description and its data fields; road segment length and road name.

**Table 16.2.1 Description of Shiakha Boundary Layer**

<b>Layer Name:</b>		<b>SHIAKHA-DATA.SHP</b>		
Layer Description:		Administrative Boundary of 512 Shiakha		
Layer Type		Polygon		
Attribute Table:		QISM.PAT		
Number of Records:		<b>512</b>		
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		CAPMAS		
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Shiakha Area (km2)
2	PERIMETER	Numeric	4.4	Shiakha Perimeter
3	SHIAKHA-ID	Numeric	6	Shiakha CAPMAS Code
4	NAME	Character	50	Shiakha Name
5	QISM-NAME	Character	50	Qism Name
6	GOV-NAME	Character	30	Governorate Name
7	TRAFFIC-ZONE	Numeric	3	Traffic Zone Number
8	POP2001	Numeric	10	Population of Year 2001
9	TOT-EMP	Numeric	10	Total Employment of Year 2001
10	TOT-STUD	Numeric	10	Total Student of Year 2001
11	INCOME	Numeric	10	Monthly House Income of Year 2001

**Table 16.2.2 Description of Traffic Zone Boundary Layer**

<b>Layer Name:</b>		<b>TRAFFIC-ZONE.SHP</b>		
Layer Description:		Administrative Boundary of 464Traffic Zones		
Layer Type		Polygon		
Attribute Table:		TRAFFIC-ZONE.PAT		
Number of Records:		<b>464</b>		
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		CAPMAS & JICA Study Team		
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Zone Area (km2)
2	PERIMETER	Numeric	4.4	Shiakha Perimeter
3	NEW_ZONE_N	Numeric	3	Traffic Zone Number
4	COUNT	Numeric	3	No. of Shiakha Included in each Zone
5	QISM-NAME	Character	50	Qism Name
6	POP2001	Numeric	10	Population of Year 2001

**Table 16.2.3 Description of Qism Boundary Layer**

<b>Layer Name:</b>		<b>QISM-SECTOR.SHP</b>		
Layer Description:		Administrative Boundary of 60 Qisms		
Layer Type		Polygon		
Attribute Table:		QISM-SECTOR.PAT		
Number of Records:		<b>60</b>		
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		CAPMAS & JICA Study Team		
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Qism Area (km2)
2	QISM-CODE	Numeric	4	Qism CAPMAS Code
3	NAME	Character	50	Qism Name
4	NEW_SECTOR	Numeric	3	Sector Number
5	POP2001	Numeric	10	Population of Year 2001
6	TOT-EMP	Numeric	10	Total Employment of Year 2001
7	TOT-STUD	Numeric	10	Total Student of Year 2001
8	INCOME	Numeric	10	Monthly House Income of Year 2001
9	SUPER-ZONE	Character	2	Super Zone ID

**Table 16.2.4 Description of Sector Boundary Layer**

<b>Layer Name:</b>		<b>NEW-SECTOR.SHP</b>		
Layer Description:		Administrative Boundary of CREATS 18 Sectors		
Layer Type		Polygon		
Attribute Table:		NEW-SECTOR.PAT		
Number of Records:		<b>18</b>		
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		JICA Study Team		
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Sector Area (Km <sup>2</sup> )
2	NEW_SECTOR	Numeric	3	Sector Number
3	COUNT	Numeric	3	Number of Qisms Included in each Sector
4	POP2001	Numeric	10	Population of Year 2001
5	TOT-EMP	Numeric	10	Total Employment of Year 2001
6	TOT-STUD	Numeric	10	Total Student of Year 2001
7	INCOME	Numeric	10	Monthly House Income of Year 2001

**Table 16.2.5 Description of Super Zone Boundary Layer**

<b>Layer Name:</b>		<b>SUPER-ZONE.SHP</b>		
Layer Description:		Administrative Boundary of CREATS 8 Super Zones		
Layer Type:		Polygon		
Attribute Table Name:		SUPER-ZONE.PAT		
Number of Records:		<b>8</b>		
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		CAPMAS & JICA Study Team		
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Super Zone Area (km <sup>2</sup> )
2	SUPER-ZONE	Character	2	Super Zone ID
3	COUNT	Numeric	3	No. of Qisms Located in each Super Zone

**Table 16.2.6 Description of Study Area Boundary Layer**

<b>Layer Name:</b>		<b>STDYAREA.SHP</b>		
Layer Description:		Study Area Boundary		
Layer Type:		Polygon		
Attribute Table:		STDYAREA.PAT		
Number of Records:		<b>1</b>		
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		JICA Study Team		
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Calculated Area (Km <sup>2</sup> )
2	PERIMETER	Numeric	4.4	Calculated Perimeter (Km)

**Table 16.2.7 Description of Study Area Boundary Layer**

<b>Layer Name:</b>		<b>GOV.SHP</b>		
Layer Description:		Boundaries of Cairo, Giza, Qalyobeya and Sharqeya Governorates		
Layer Type:		Polygon		
Attribute Table:		GOV.PAT		
Number of Records:		<b>4</b>		
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		CAPMAS		
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Governorate Area (m <sup>2</sup> )
2	PERIMETER	Numeric	4.4	Governorate Perimeter
3	GOV-CODE	Numeric	2	Governorate CAPMAS Code
4	NAME	Character	30	Governorate Name

**Table 16.2.8 Description of Socio-Economic Layer in 2001, 2007, 2012 and 2022**

<b>Layer Name:</b>	<b>ZONE-DATA-2001.SHP, ZONE-DATA-2007.SHP, ZONE-DATA-2012.SHP and ZONE-DATA-2022.SHP</b>			
<b>Layer Description:</b>	Administrative Boundaries of Traffic Zones Connected with Socio-Economic Data in 2001, 2007, 2012 and 2022			
<b>Layer Type</b>	Polygon			
<b>Attribute Table:</b>	ZONE-DATA-2001.PAT			
<b>Number of Records:</b>	<b>464</b>			
<b>Layer Path:</b>	C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/			
<b>Layer Source:</b>	CAPMAS & JICA Study Team			
Field	Field Name	Type	Width	Field Description
1	AREA	Numeric	4.4	Zone Area (km2)
2	ZONE	Numeric	3	Traffic Zone Number
3	QISM	Numeric	4	Corresponding Qism CAPMAS Code
4	QISM NAME	Character	50	Corresponding Qism Name
5	SECTOR	Numeric	3	Sector Number
6	POP2001	Numeric	10	Population of Relevant Year
7	POP-DEN	Numeric	10	Population Density of Relevant Year
8	TOT-EMP	Numeric	10	Total Employment of Relevant Year
9	EMP-DEN	Numeric	10	Employment Density of Relevant Year
10	TOT-STUD	Numeric	10	Total Student of Relevant Year
11	STUD-DEN	Numeric	10	Students Density of Relevant Year
12	INCOME	Numeric	10	Household Income of Relevant Year

**Table 16.2.9 Description of Streets Layer**

<b>Layer Name:</b>		<b>STREET.SHP</b>		
Layer Description:		Streets Network		
Layer Type:		Line		
Attribute Table Name:		STREET.AAT		
Number of Records:				
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		CAPMAS		
Field	Field Name	Type	Width	Field Description
1	LENGTH	Numeric	8.5	Street Segment Length
2	NAME	Character	70	Street Name

**Table 16.2.10 Description of Main Roads Layer**

<b>Layer Name:</b>		<b>MAIN-ROAD.SHP</b>		
Layer Description:		Main Roads Network		
Layer Type:		Line		
Attribute Table Name:		MAIN-ROAD.AAT		
Number of Records:				
Layer Path:		C:/CREATS DATABASE/GIS/STUDY-AREA-LAT&LONG/		
Layer Source:		CAPMAS		
Field	Field Name	Type	Width	Field Description
1	LENGTH	Numeric	8.5	Road Segment Length
2	NAME	Character	70	Road Name

# **APPENDIX**

## **TRAFFIC SURVEY FORMS**



## **APPENDIX A**

**(HIS) Household Interview Survey Forms**

**(RPS) Revealed Preference Survey Forms**

**(SPS) Stated Preference Survey Forms**

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# HIS: Households

Arab Republic of Egypt  
Ministry of Transport

Transportation Programme -DRTPC- Cairo University  
Transport and Traffic Unit - Ain Shams University

## Transportation Master Plan and Feasibility Study of Urban Transport Projects in Greater Cairo Region

### Form-HIS1: Household Information

Address:																								
Building No. <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	Floor: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>																							
Apt. No. <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	No. of floors <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>																							
Street: _____																								
Near: _____																								
Visit Number <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> Month: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> Day: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> Visit Result: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	Sample Number : <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> Kism: _____ Shiakha: _____ Kism and Shiakha Code : <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>																							
1. Completed 2. To be completed 3. will not be completed 4. Unavailable																								
1. Total Number of Persons who Usually Live in Your Living Quarter? <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Sex</th> <th rowspan="2">Total</th> <th colspan="3">6 Years&amp;Above</th> </tr> <tr> <th>Working</th> <th>Students</th> <th>Others</th> </tr> </thead> <tbody> <tr> <td>Male</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> <tr> <td>Female</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> </tbody> </table>	Sex	Total	6 Years&Above			Working	Students	Others	Male	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	Female	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	3. Type of your Living Quarter <input style="width: 20px;" type="text"/> 1. Owned Villa 2. Rented Villa 3. Owned Apt. 4. Rented Apt. 5. Shared Apt. 6. Rural House 7. Improvised/Temporary 8. Others 4. Number of rooms in your living Quarter <input style="width: 20px;" type="text"/> 5. Electricity Consumption (L.E./Mo.) <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>					
Sex			Total	6 Years&Above																				
	Working	Students		Others																				
Male	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>																				
Female	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>																				
2. Does the Family Own any Vehicles? <input style="width: 20px;" type="text"/> 1. Yes 2. No <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Veh. Type</th> <th colspan="2">#of vehicles /Parking Place</th> </tr> <tr> <th>On street</th> <th>Off Street</th> </tr> </thead> <tbody> <tr> <td>Motorcycle</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> <tr> <td>Passenger Car</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> <tr> <td>Pickup</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> <tr> <td>Taxi</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> <tr> <td>Shared Taxi</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> <tr> <td>Trucks</td> <td><input style="width: 20px;" type="text"/></td> <td><input style="width: 20px;" type="text"/></td> </tr> </tbody> </table>	Veh. Type	#of vehicles /Parking Place		On street	Off Street	Motorcycle	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	Passenger Car	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	Pickup	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	Taxi	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	Shared Taxi	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	Trucks	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	6. Telephone Bill in Last 6 months <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> 7. Total Monthly Income of household (from all sources) <input style="width: 20px;" type="text"/> 1) Less than 300 2) 301-500 3) 501-1000 4) 1001-2000 5) 2001-5000 6) > 5000 9) Refused
Veh. Type		#of vehicles /Parking Place																						
	On street	Off Street																						
Motorcycle	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>																						
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Interviewer's Name _____ His/Her Code: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>																								
Envelope Number : <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>																								
Auditing: _____ / / 2001 Coding: _____ / / 2001 Data Entry: _____ / / 2001																								
Notes:																								







## RPS: Car Users (Individual Opinion)

REVEALED PREFERENCE SURVEY (CAR USERS) - FORM1: Individual's Opinion

Sample ID

<b>25- Would you use public transport if services are improved</b>	1- Never	2- Highly Unlikely	<input type="checkbox"/>
If answer is "1" go to Q27	3- Unlikely	4- Likely	
<b>26- Identify the importance of the following service characteristics</b> (on a scale of 1 - 5: 1 = Not important, 5 = Very important)			
1- Travel time <input type="checkbox"/>	2- Travel cost <input type="checkbox"/>	3- Number of transfers <input type="checkbox"/>	4- Comfort <input type="checkbox"/>
5- Security <input type="checkbox"/>	6- Safety <input type="checkbox"/>	7- Access/Egress <input type="checkbox"/>	
<b>27- If petrol cost is doubled, would you use public transport?</b>			
	1- Never	2- Highly Unlikely	<input type="checkbox"/>
	3- Unlikely	4- Likely	

**31- List the three most positive points and three most negative points about each of the following modes.**

mode	Advantage (1 = Best)	Disadvantages (1 = Worst)
Metro	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Shared taxi	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Public bus/Minibus	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Tram/Heliopolis Metro	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Taxi	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ENR train	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Nile ferry	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

1- Speed      2- Cost      3- On-time service      4- Access/Egress      5- Comfort      6- Direct  
7- Safety      8- Security      9- Crowdedness      10- Other

**32- Identify the importance of the following service characteristics**

1- Printed Route Maps <input type="checkbox"/>	1- Not Important	2- Important	3- Very Important
2- Printed schedules <input type="checkbox"/>	4- Combined ticket (Metro/Bus, Bus/Bus)		<input type="checkbox"/>
3- Coordinated Schedules between modes <input type="checkbox"/>	5- Combined seasonal ticket		<input type="checkbox"/>
	6- Express highway lanes for use only by buses		<input type="checkbox"/>

# RPS: Public Transport Users

Ministry of Transport - Egypt

CREATS: Cairo REgional Area Transport Study

*for study purpose only*

## REVEALED PREFERENCE SURVEY (PUBLIC TRANSPORT USERS) - FORM1: ACTUAL

General Info	Sample ID	<input type="text"/>	Date (month/day)	<input type="text"/>			
	Location code/Mean	<input type="text"/>	Time (hr./min.)	<input type="text"/>			
Personal Attribute	1- Sex	<input type="checkbox"/>	2- Age	<input type="checkbox"/>			
	1- Male 2- Female		1) 7-9 2) 10-19 3) 20-29 4) 30-39				
	3- Do you have a driving license?	<input type="checkbox"/>	5) 40-49 6) 50-59 7) > 60				
	1- Yes 2- No		4- Number of cars your family has	<input type="text"/>			
	5- Car availability	<input type="checkbox"/>	6- Why didn't you use the private car?	<input type="checkbox"/>			
	1- Always 2- Often 3- Occasionally		1- Being used by another 2- High parking charge 3- No parking space				
	4- Seldom 5- Not available		4- Car use is expensive 5- Traffic congestion 6- Car is broken				
	7- Occupation	<input type="text"/>	7- Others	<input type="text"/>			
1- Admin. 2- Professional 3- Tech./assist.		8- Income	<input type="checkbox"/>				
4- Clerks 5- Sale/Services 6- Farmer/fisher		1) <300 2) 301 - 500 3) 501 - 1000					
7- Craftsmen 8- Production 9- Unskilled		4) 1001 - 2000 5) 2001 - 5000 6) > 5000 7) No income					
10- Student 11- House wife 12- Retired							
13- Jobless 14- Other							
Trip Information	9- Trip origin	<input type="text"/>	<input type="text"/>				
	10- Land mark	<input type="text"/>	<input type="text"/>				
	11- Trip destination	<input type="text"/>	<input type="text"/>				
	12- Land mark	<input type="text"/>	<input type="text"/>				
	13- Trip purpose	<input type="text"/>	14- Current mode	<input type="text"/>			
	15- Does your employer reimburse travel cost?	<input type="checkbox"/>	16- Do you use a pass?	<input type="text"/>			
	1- Yes 2- Partly 3- No		- Bus 2- Metro 3- Tram 4- Other 5- No				
	17- Total travel time (hr./min.)	<input type="text"/>	18- Total travel cost	<input type="text"/>			
			ticket (PT)	<input type="text"/>			
			pass (PT)	<input type="text"/>			
	19- Walk time to term./stn. from origin	<input type="text"/>	20- Walk time from term./stn. to destination	<input type="text"/>			
21- Number of transfers	<input type="text"/>	22- Waiting time (min.)	<input type="text"/>				
Alternative Public Transport	23- Alternative mode	24- Total travel time	25- Total travel cost (PT)	26- No. of transfers	27- Waiting time (min.)	28- Walk time to term./stn. from origin	29- Walk time from term./stn. to destination
	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Trip Purpose				Mode of Travel			
1. Work	7. Shopping/Eating	1. Walk	7. Taxi	13. Work car	19. Heliopolis metro		
2. Education	8. Sending/Fetching	2. Bicycle	8. Shared taxi	14. Company bus	20. Metro		
3. Home	9. Recreation	3. Motorcycle	9. Public minibus	15. School bus	21. ENR train		
4. Selling/Delivering	10. Medical Treatment	4. Private car driver	10. Public bus	16. Trucks	22. Animal drawn		
5. Meeting/Business	11. Social	5. Private car passenger	11. Public aircond. bus	17. Nile ferry	23. Others		
6. Return to work place	12. Other	6. Pickup for passenger	12. Corp. Mini bus	18. Tram			

## RPS: Public Transport Users (Individual Opinion)

REVEALED PREFERENCE SURVEY (PUBLIC TRANSPORT USERS) - FORM1: INDIVIDUAL'S OPINION

Sample ID

<b>30- Identify the importance of the following transport services</b> (on a scale of 1 - 5: 1 = Not important, 5 = Very important)							
1- Travel time	<input style="width: 20px; height: 15px;" type="text"/>	2- Travel cost	<input style="width: 20px; height: 15px;" type="text"/>	3- Number of transfers	<input style="width: 20px; height: 15px;" type="text"/>	4- Comfort	<input style="width: 20px; height: 15px;" type="text"/>
5- Security	<input style="width: 20px; height: 15px;" type="text"/>	6- Safety	<input style="width: 20px; height: 15px;" type="text"/>	7- Access/Egress	<input style="width: 20px; height: 15px;" type="text"/>		

<b>31- List the three most positive points and three most negative points about each of the following modes.</b>					
mode	Advantage (1 = Best)	Disadvantages (1 = Worst)			
Metro	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>			
Shared taxi	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>			
Public bus/Minibus	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>			
Tram/Heliopolis Metro	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>			
Taxi	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>			
ENR train	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>			
Nile ferry	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>	<input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/>			
1- Speed	2- Cost	3- On-time service	4- Access/Egress	5- Comfort	6- Direct
7- Safety	8- Security	9- Crowdedness	10- Other		

<b>32- Identify the importance of the following transport services</b>			1- Not Important	2- Important	3- Very Important
1- Printed Route Maps	<input style="width: 20px; height: 15px;" type="text"/>	4- Combined ticket (Metro/Bus, Bus/Bus)	<input style="width: 20px; height: 15px;" type="text"/>		
2- Printed schedules	<input style="width: 20px; height: 15px;" type="text"/>	5- Combined seasonal ticket	<input style="width: 20px; height: 15px;" type="text"/>		
3- Coordinated Schedules between modes	<input style="width: 20px; height: 15px;" type="text"/>	6- Express highway lanes for use only by buses	<input style="width: 20px; height: 15px;" type="text"/>		



# SPS: Stated Preference Survey

Ministry of Transport - Egypt

CREATS: Cairo Regional Area Transport Study

**Form (1): STATED PREFERENCE SURVEY**

*for study purpose only*

General Info	Sample ID	<input type="text"/>	Date (month/day)	<input type="text"/>
	Location (Sheiakha/Kism)	<input type="text"/>	Time	<input type="text"/>

Personal Information	<b>1- Address</b> _____			
	<b>2- Sex</b> 1- Male 2- Female	<input type="text"/>	<b>3- Age</b> 1) 7-9 2) 10-19 3) 20-29 4) 30-39	<input type="text"/>
			5) 40-49 6) 50-59 7) > 60	
	<b>4- Do you have a driving license</b> 1- Yes 2- No	<input type="text"/>	<b>5- Total number of cars your family has</b>	<input type="text"/>
<b>6- Car availability</b>	<input type="text"/>	<b>7- Occupation</b>	<input type="text"/>	
1- Always		1- Admin. 2- Professional 3- Tech./assist.		
2- Often		4- Clerks 5- Sale/Services 6-Farmer/fisher		
3- Occasionally		7- Craftsmen 8-Production 9-Unskilled		
4- Seldom		10- Student 11- House wife 12- Retired		
5- Not available		13- Jobless 14- Other		
<b>8- Income</b>	<input type="text"/>			
1) < 300 2) 301 - 500 3) 501 - 1000				
4) 1001 - 2000 5) 2001 - 5000 6) > 5000 7) No income				

Residential Information	<b>9- When did you move to this city (years)?</b>	<input type="text"/>	<b>10- What was your major reason?</b>	<input type="text"/>			
	<b>11- Do you want to move to Cairo Residential area?</b>	<input type="text"/>	1- Better living condition 2- Nearer to work place				
	1- No 2- Yes, to central areas 3- Yes, to suburbs		3- Better environment 4- Better transportation				
	4- Yes, anywhere 5- Not sure (yes and no)		5- Other				
If answer is "1" go to Q13							
<b>12- For which of these reasons do you want to move to Cairo residential area</b> 1 = Chosen reasons 2 = Unchosen reasons							
1- Work opportunity	<input type="text"/>	2- Education	<input type="text"/>	3- Medical services	<input type="text"/>	4- Security	<input type="text"/>
5- Public transport	<input type="text"/>	6- Entertainment	<input type="text"/>	7- Shopping	<input type="text"/>	8- Other	<input type="text"/>

Trip Information	<b>13- How many regular trips do you make to Cairo per week?</b>	<input type="text"/>		
	If answer is "zero" go directly to Form (3) (Q30)			
	<b>14- Trip destination</b>	_____ <input type="text"/>		
	<b>15- Land mark</b>	_____		
<b>16- Trip purpose</b>	<input type="text"/>	<b>17- Do you use</b>	<input type="text"/>	
		1- Private car		
		2- Public transport		
		3- Other		
		If "1" go to Q18 If "2" go to Q27 If "3" go to Form (3) Q30		

Trip Purpose		Mode of Travel			
1. Work	7. Shopping/Eating	1. Walk	7. Taxi	13. Work car	19. Heliopolis metro
2. Education	8. Sending/Fetching	2. Bicycle	8. Shared taxi	14. Company bus	20. Metro
3. Home	9. Recreation	3. Motorcycle	9. Public minibus	15. School bus	21. ENR train
4. Selling/Delivering	10. Medical treatment	4. Private car driver	10. Public bus	16. Trucks	22. Animal drawn
5. Meeting/Business	11. Social	5. Private car passenger	11. Public aircond. bus	17. Nile ferry	23. Others
6. Return to work place	12. Other	6. Pickup for passenger	12. Corp. Mini bus	18. Tram	

## SPS: Car User/Public Transport User

Form(2): CAR USER/PUBLIC TRANSPORT USER

Sample ID

### CAR USER

18- Total travel time (min./ hr.) <input style="width: 50px;" type="text"/>		19- Parking charge at destination (PT) <input style="width: 50px;" type="text"/>							
20- Do you use an alternative to private car incase it is not available? 1- No 2- Yes <input style="width: 50px;" type="text"/>									
If answer is "1" go to Q22									
21- Characteristics of the alternative modes used in the trip to Cairo									
s	a) Alternative mode	b) Total travel time	c) Total travel cost (Pt)	d) No. of transfer	e) Waiting time (min.)	f) Walk time to term./stn. from origin	g) Walk time from term./stn. to destination		
1	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>		
2	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>		
22- Would you use public transport if services were to be improved? 1) Never 2- Highly unlikely 3- Unlikely 4- Likely <input style="width: 50px;" type="text"/>									
if answer is "1" go to Q25									
23- How much time saving will make you use the new/improved mode for the trip to Cairo compared to the existing travel time?									
1- Bus <input style="width: 30px;" type="text"/>		2- Air-cond. Bus <input style="width: 30px;" type="text"/>		3- Shared taxi <input style="width: 30px;" type="text"/>		4- Metro <input style="width: 30px;" type="text"/>		5- ENR <input style="width: 30px;" type="text"/>	
1) 10%		2) 25%		3) 50%					
24- How much are you willing to pay for the new/improved service?									
1- Bus <input style="width: 30px;" type="text"/>		2- Air-cond. Bus <input style="width: 30px;" type="text"/>		3- Shared taxi <input style="width: 30px;" type="text"/>					
4- Metro <input style="width: 30px;" type="text"/>		5- ENR <input style="width: 30px;" type="text"/>							
25- Identify the importance of the following service characteristics (1 = Not important - 5 = Very important)									
1- Travel time <input style="width: 30px;" type="text"/>		2- Travel cost <input style="width: 30px;" type="text"/>		3- Number of transfers <input style="width: 30px;" type="text"/>		4- Comfort <input style="width: 30px;" type="text"/>			
5- Security <input style="width: 30px;" type="text"/>		6- Safety <input style="width: 30px;" type="text"/>		7- Access/Egress <input style="width: 30px;" type="text"/>					
26- If petrol cost is doubled, would you use public transport? 1- Never 2- Highly unlikely 3- Unlikely 4- Likely <input style="width: 50px;" type="text"/>									

### PUBLIC TRANSPORT USER

27- Public transport mode characteristics							
s	a) Public transport mode	b) Total travel time	c) Total travel cost (PT)	d) No. of transfer	e) Waiting time (min.)	f) Walk time to term./stn. from Origin	g) Walk time from term./stn. to Destination
1	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
2	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
3	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
4	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
28- Do you use a pass? 1- No 2- Bus 3- Metro 4- Tram 5- Other <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>							
29- Identify the importance of the following service characteristics (1 = Not important - 5 = Very important)							
1- Travel time <input style="width: 30px;" type="text"/>		2- Travel cost <input style="width: 30px;" type="text"/>		3- Number of transfers <input style="width: 30px;" type="text"/>		4- Comfort <input style="width: 30px;" type="text"/>	
5- Security <input style="width: 30px;" type="text"/>		6- Safety <input style="width: 30px;" type="text"/>		7- Access/Egress <input style="width: 30px;" type="text"/>			

## SPS: Individual Opinion

Form(3): INDIVIDUAL'S OPINION

Sample ID

**30- List the three most positive points and three most negative points about each of the following modes.**

Mode	Advantage (1 = Best)	Disadvantages (1 = Worst)
Metro		
Shared taxi		
Public bus/Minibus		
Taxi		
ENR rail		

1- Speed    2- Cost    3- On-time service    4- Access/Egress    5- Comfort    6- Direct    7- Safety  
 8- Security    9- Crowdedness    10- Other

**31- Identify the importance of the following public transport services to you**    1- Not important    2- Important    3- Very Important

1- Printed route maps		4- Combined ticket (Metro/Bus, Bus/Bus)	
2- Printed schedules		5- Combined seasonal ticket	
3- Coordinated schedules between modes		6- Express highway lanes for use only by buses	

## **APPENDIX B**

### **Cordon Survey Forms**



Direction    Hour  Minute  Time    Month  Day  Date    Supervisor  Interviewer  Sample Number

Site    1- Outgoing     Sheet No.   

Origin and Destination	Trip Purpose	Train and Station	Access mode and Egress mode
<b>Note:</b> A: Governorate B: Kism / Markaz C: Shiakha / Village D: Street E: Land mark / Famous Building near by	1- To working place 2- To school / Institute 3- To home 4- Selling, Delivering 5- Meeting and other business purposes 6- Return to working place 7- Shopping and eating 8- Sending and fetching 9- Recreation 10- Medical treatment 11- Social visits, private puposes 12- others	<input type="text"/> 1- Train No. <input type="text"/> 2- Train Class	1- Walking 2- Bicycle 3- Motorcycle 4- Passenger car 5- Pickup for passengers 6- Taxi 7- Shared taxi 8- Public Minibus 9- Public bus 10- Factory / company bus 11- School bus 12- Truck 13- Nile Ferry 14- Tram 15- Heliopolis Metro 16- Metro 17- ENR Train 18- Animal Drawn 19- others

Origin	Destination	Trip purpos	Residence	Ride station	Departure Station	
A	Governorate:	In cairo	Governorate:	<input type="text"/>	<input type="text"/>	
B						
C		Out of cairo		Kism / City:	<input type="text"/>	<input type="text"/>
D						
E						

Origin	Destination	Trip purpos	Residence	Ride station	Departure Station	
A	Governorate:	In cairo	Governorate:	<input type="text"/>	<input type="text"/>	
B						
C		Out of cairo		Kism / City:	<input type="text"/>	<input type="text"/>
D						
E						

Origin	Destination	Trip purpos	Residence	Ride station	Departure Station	
A	Governorate:	In cairo	Governorate:	<input type="text"/>	<input type="text"/>	
B						
C		Out of cairo		Kism / City:	<input type="text"/>	<input type="text"/>
D						
E						

Origin	Destination	Trip purpos	Residence	Ride station	Departure Station	
A	Governorate:	In cairo	Governorate:	<input type="text"/>	<input type="text"/>	
B						
C		Out of cairo		Kism / City:	<input type="text"/>	<input type="text"/>
D						
E						



Site	Direction 1- Outgoing	Hour	Minute	Time	Sheet No.	Month	Day	Date	Supervisor Interviewer	Sample Number
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Origin and Destination	Trip Purpose	Access mode and Egress mode			
<b>Note:</b> A: Governorate    E: Land mark / Famous B: Kism / Markaz    Building near by C: Shiakha / Village D: Street	1- To working place    5- Meeting and other business purposes    9- Recreation 2- To school / Institute    6- Return to working place    10- Medical treatment 3- To home    7- Shopping and eating    11- Social visits, private puposes 4- Selling, Delivering    8- Sending and fetching    12- others	1- Walking 2- Bicycle 3- Motorcycle 4- Passenger car 5- Pickup for passengers	6- Taxi 7- Shared taxi 8- Public Minibus 9- Public bus 10- Factory / company bus	11- School bus 12- Truck 13- Nile Ferry 14- Tram 15- Heliopolis Metro	16- Metro 17- ENR Train 18- Animal Drawn 19- others
Origin	Destination	Trip purpose	Residence	Access mode	Flight No.
A   _____ B   _____ C   _____ D   _____ E   _____ _____	Country: _____ Governnorate: _____ Kism / City: _____	In Cairo _____ Out of cairo _____	Governnorate: _____ Kism / City: _____	to the airport _____	_____ Number of persons traveling with the interviewed person _____
Origin	Destination	Trip purpose	Residence	Access mode	Flight No.
A   _____ B   _____ C   _____ D   _____ E   _____ _____	Country: _____ Governnorate: _____ Kism / City: _____	In Cairo _____ Out of cairo _____	Governnorate: _____ Kism / City: _____	to the airport _____	_____ Number of persons traveling with the interviewed person _____
Origin	Destination	Trip purpose	Residence	Access mode	Flight No.
A   _____ B   _____ C   _____ D   _____ E   _____ _____	Country: _____ Governnorate: _____ Kism / City: _____	In Cairo _____ Out of cairo _____	Governnorate: _____ Kism / City: _____	to the airport _____	_____ Number of persons traveling with the interviewed person _____
Origin	Destination	Trip purpose	Residence	Access mode	Flight No.
A   _____ B   _____ C   _____ D   _____ E   _____ _____	Country: _____ Governnorate: _____ Kism / City: _____	In Cairo _____ Out of cairo _____	Governnorate: _____ Kism / City: _____	to the airport _____	_____ Number of persons traveling with the interviewed person _____



Ministry of Transport  
Transportation Master Plan in Greater Cairo

Form CTS-2 - A  
Truck Trip Movement

DRTPC, Cairo University  
In Association with TTPCU, Faculty of Eng Ain Shams Uni.

	Site No.	Hour	Minute	Time	Month	Day	Date	Owner and Truck Code	Zone Code
<b>Origin and Destination and Time</b>  <b>Note:</b> A: Governorate B: Kism / Markaz C: Shiakha / Village D: Street E: Land mark / Famous Building nearby	<b>Trip Purpose</b> 1- To working place 2- To home 3- Selling, Delivering 4- Buying / Removal 5- Repair Work 6- Return to working place 7- Other business purposes 8- Private purpose 9- Others (please specify)	<b>Facility of Destination</b> 1- Factory 2- Retail Shop / Wholesale market 3- Warehouse 4- Restaurant / Hotel 5- Construction Site 6- Transportation Site 7- Agricultural Field 8- Office 9- Residence 10- Others	<b>Type of commodity</b> 1- Agriculture and live stock 2- Food staff and animal food 3- Solid fuels 4- Petrol and petrol distilled products 5- Metal residues and mining products 6- Metallurgical products 7- Raw materials and derivations 8- Fertilizers 9- Chemical products 10- Machines and vehicles 11- Other cargo	<b>loading condition</b> 1- Empty 2- Less than 25% loaded 3- 25% loaded 4- 50% loaded 5- 75% loaded 6- Full loaded 7- Over loaded	<b>Truk Parking</b> <b>On Street</b> 1- Free 2- Paid <b>Off Street</b> 3- Paid Private 4- Free Private 5- Paid Public 6- Free Public 7- Others				

  

Trip No	Origin and Departure Time	Destination and Arrival Time	Trip Purpose and Facility	Type of Commodity	Loading Condition	Parking
1st Trip	A	Departure Time	A	Arrival Time	<input type="text"/> <input type="text"/> 1- Trip Purpose  <input type="text"/> <input type="text"/> 2- Facility of Destination	<input type="text"/> <input type="text"/>
	B	Hr.    Min.	B	Hr.    Min.		
	C		C			
	D		D			
	E	1- A.M. <input type="text"/>	E	1- A.M. <input type="text"/>		
0	1	2- P.M.		2- P.M.		1- Parking Type  2- Parking Cost (L.E)
2nd Trip	A	Departure Time	A	Arrival Time	<input type="text"/> <input type="text"/> 1- Trip Purpose  <input type="text"/> <input type="text"/> 2- Facility of Destination	<input type="text"/> <input type="text"/>
	B	Hr.    Min.	B	Hr.    Min.		
	C		C			
	D		D			
	E	1- A.M. <input type="text"/>	E	1- A.M. <input type="text"/>		
0	2	2- P.M.		2- P.M.		1- Parking Type  2- Parking Cost (L.E)
3rd Trip	A	Departure Time	A	Arrival Time	<input type="text"/> <input type="text"/> 1- Trip Purpose  <input type="text"/> <input type="text"/> 2- Facility of Destination	<input type="text"/> <input type="text"/>
	B	Hr.    Min.	B	Hr.    Min.		
	C		C			
	D		D			
	E	1- A.M. <input type="text"/>	E	1- A.M. <input type="text"/>		
0	3	2- P.M.		2- P.M.		1- Parking Type  2- Parking Cost (L.E)
4th Trip	A	Departure Time	A	Arrival Time	<input type="text"/> <input type="text"/> 1- Trip Purpose  <input type="text"/> <input type="text"/> 2- Facility of Destination	<input type="text"/> <input type="text"/>
	B	Hr.    Min.	B	Hr.    Min.		
	C		C			
	D		D			
	E	1- A.M. <input type="text"/>	E	1- A.M. <input type="text"/>		
0	4	2- P.M.		2- P.M.		1- Parking Type  2- Parking Cost (L.E)
5th Trip	A	Departure Time	A	Arrival Time	<input type="text"/> <input type="text"/> 1- Trip Purpose  <input type="text"/> <input type="text"/> 2- Facility of Destination	<input type="text"/> <input type="text"/>
	B	Hr.    Min.	B	Hr.    Min.		
	C		C			
	D		D			
	E	1- A.M. <input type="text"/>	E	1- A.M. <input type="text"/>		
0	5	2- P.M.		2- P.M.		1- Parking Type  2- Parking Cost (L.E)

	Site No.	Hour	Minute	Time	Manth	Day	Date	Owner and Truck Code	Zone Code
<b>Origin and Destination and Time</b>	<b>Trip Purpose</b>		<b>Facility of Destination</b>		<b>Type of commodity</b>		<b>loading condition</b>	<b>Truk Parking</b>	
<b>Note:</b> A: Governorate B: Kism / Markaz C: Shiakha / Village D: Street E: Land mark / Famous Building near by	1- To working place 2- To home 3- Selling, Delivering 4- Buying / Removal 5- Repair Work	6- Return to working place 7- Other business purposes 8- Private purpose 9- Others (please specify)	1- Factory 2- Retail Shop / Wholesale market 3- Warehouse 4- Restaurant / Hotel 5- Construction Site 6- Transportation Site 7- Agricultural Field 8- Office	9- Residence 10- Others	1- Agriculture and live stock 2- Food staff and animal food 3- Solid fuels 4- Petrol and petrol distilled products 5- Metal residues and mining products 6- Metallurgical products 7- Raw materials and derivations 8- Fertilizers	9- Chemical products 10- Machines and vehicles 11- Other cargo	1- Empty 2- Less than 25% loaded 3- 25% loaded 4- 50% loaded 5- 75% loaded 6- Full loaded 7- Over loaded	<b>On Street</b> 1- Free 2- Paid <b>Off Street</b> 3- Paid Private 4- Free Private 5- Paid Public 6- Free Public 7- Others	

  

Trip No	Origin and Departure Time				Destination and Arrival Time				Trip Purpose and Facility		Type of Commodity	Loading	Condition	Parking
	A	Departure Time			A	Arrival Time								1- Parking Type
	B	Hr.	Min.		B	Hr.	Min.		1- Trip Purpose					
	C				C				2- Facility of Destination					2- Parking Cost (L.E)
	D				D									
	E	1- A.M. [ ]			E	1- A.M. [ ]								
	0	2- P.M				2- P.M								
6th Trip	A	Departure Time			A	Arrival Time								1- Parking Type
	B	Hr.	Min.		B	Hr.	Min.		1- Trip Purpose					
	C				C				2- Facility of Destination					2- Parking Cost (L.E)
	D				D									
	E	1- A.M. [ ]			E	1- A.M. [ ]								
	0	2- P.M				2- P.M								
7th Trip	A	Departure Time			A	Arrival Time								1- Parking Type
	B	Hr.	Min.		B	Hr.	Min.		1- Trip Purpose					
	C				C				2- Facility of Destination					2- Parking Cost (L.E)
	D				D									
	E	1- A.M. [ ]			E	1- A.M. [ ]								
	0	2- P.M				2- P.M								
8th Trip	A	Departure Time			A	Arrival Time								1- Parking Type
	B	Hr.	Min.		B	Hr.	Min.		1- Trip Purpose					
	C				C				2- Facility of Destination					2- Parking Cost (L.E)
	D				D									
	E	1- A.M. [ ]			E	1- A.M. [ ]								
	0	2- P.M				2- P.M								
9th Trip	A	Departure Time			A	Arrival Time								1- Parking Type
	B	Hr.	Min.		B	Hr.	Min.		1- Trip Purpose					
	C				C				2- Facility of Destination					2- Parking Cost (L.E)
	D				D									
	E	1- A.M. [ ]			E	1- A.M. [ ]								
	0	2- P.M				2- P.M								
10th Trip	A	Departure Time			A	Arrival Time								1- Parking Type
	B	Hr.	Min.		B	Hr.	Min.		1- Trip Purpose					
	C				C				2- Facility of Destination					2- Parking Cost (L.E)
	D				D									
	E	1- A.M. [ ]			E	1- A.M. [ ]								
	1	2- P.M				2- P.M								

Site	Direction 1- Outgoing	Hour	Minute	Time	Sheet No.	Month	Day	Date	Supervisor	Interviewer	Sample Number
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Origin and Destination	Trip Purpose			Access mode and Egress mode			
<b>Note:</b> A: Governorate    E: Land mark / Famous B: Kism / Markaz    Building near by C: Shiakha / Village D: Street	1- To working place	5- Meeting and other business purposes	9- Recreation	1- Walking	6- Taxi	11- School bus	16- Metro
	2- To school / Institute	6- Return to working place	10- Medical treatment	2- Bicycle	7- Shared taxi	12- Truck	17- ENR Train
	3- To home	7- Shopping and eating	11- Social visits, private puposes	3- Motorcycle	8- Public Minibus	13- Nile Ferry	18- Animal Drawn
	4- Selling, Delivering	8- Sending and fetching	12- others	4- Passenger car	9- Public bus	14- Tram	19- others
				5- Pickup for passengers	10- Factory / company bus	15- Heliopolis Metro	

Origin		Destination	Trip purpose	Residence	Access mode	Flight No.
A		Country:	In Cairo		to the airport	
B		Governorate:		Governorate:		
C		Kism / City:	Out of cairo	Kism / City:		Number of persons traveling with the interviewed person
D						
E						

Origin		Destination	Trip purpose	Residence	Access mode	Flight No.
A		Country:	In Cairo		to the airport	
B		Governorate:		Governorate:		
C		Kism / City:	Out of cairo	Kism / City:		Number of persons traveling with the interviewed person
D						
E						

Origin		Destination	Trip purpose	Residence	Access mode	Flight No.
A		Country:	In Cairo		to the airport	
B		Governorate:		Governorate:		
C		Kism / City:	Out of cairo	Kism / City:		Number of persons traveling with the interviewed person
D						
E						

Origin		Destination	Trip purpose	Residence	Access mode	Flight No.
A		Country:	In Cairo		to the airport	
B		Governorate:		Governorate:		
C		Kism / City:	Out of cairo	Kism / City:		Number of persons traveling with the interviewed person
D						
E						

## **APPENDIX C**

### **Public Transport Passenger Survey Forms**

**Public Transport Passenger Interview Survey**

General Info.	Surveyor _____	Station Code	<input type="text"/>
	Date (month/day) <input type="text"/>	Time <input type="text"/>	Sample No. <input type="text"/>

Personal Attribute	1- Sex	1- Male	2- Female	<input type="text"/>	2- Age	1) <20	2) 21-40	3) 41-60	4) >60	<input type="text"/>
	3- Occupation (working persons only)	1- Admin.	2- Professional	3- Tech./Assist.	4- Clerks	4- Status (non-working persons only)	1- Primary St.	2- Secondary St.	3- High-school St.	<input type="text"/>
	5- Sale/Services	6- Farmer/Fisher	7- Craftsman	8- Production	9- Unskilled	10- Other	4- Technical St.	5- Univ. St.	6- Housewife	

5- Trip purpose	1- To/From Work	2- To/From School	3- To/From Other	<input type="text"/>
6- Origin station	_____			<input type="text"/>
7- Destination station	_____			<input type="text"/>

Trip Characteristics	8- Public Transport Modes and the Entire Cost of the Trip					
	S	Mode	Fare Type	Pass Period	Cost of Ticket/Pass (pt)	Does your employer reimburse cost
	1-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	1. Yes 2. No 3. Partly <input type="text"/>
	2-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	3-	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

9- Average waiting time for the current mode	<input type="text"/>	10- Serial number of current mode	<input type="text"/>
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Attitudinal Information	11- What do you think of the following							
	1- Accessibility to terminal/station/stop	2- Platform services (metro & ENR only)	3- Services quality	1- Very good	2- Good	3- Fair	4- Bad	5- Very bad
	- Sign board for guidance	- Direction sign to platform	- Speed	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	- Pedestrian facility	- Pedestrian facility	- Comfort/Convenience	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	- Intermodal facility	- Instructions on mode use	- Headway consistency	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	- Feeder mode	- Ticket sales system	- Crowdedness in vehicle	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	- Distance between stations		- Safety	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

12- How much are you willing to pay additionally for service improvement?  Increase (pt)

(Note: higher fee includes the service for the lower fees)

1- No change	zero
2- Fixed operation schedule/cleaner buses	25
3- More frequent schedules/modernization of fleet	50
4- Guaranteed seat/ New buses on major lines	75
5- Improved ticketing service	125
6- Air-conditioned buses	225

13- Do you prefer to walk a longer distance to the station in order to get better service? (faster service, less traffic?)

1- Yes 2- No

MODE OF TRAVEL				Fare Type	Pass Period
1- Walk	8- Shared taxi	15- School bus	22- Animal drawn	1- Ticket	1) Monthly
2- Bicycle	9- Public minibus	16- Trucks	23- Others	2- Student Pass	2) 3 Months
3- Motorcycle	10- Public bus	17- Nile ferry		3- Ordinary CTA	3) Annually
4- Private car driver	11- Public air- cond. Bus	18- Tram		4- Gov. Pass	4) Free
5- Private car passenger	12- Corp. Mini bus	19- Heliopolis metro		5- Special CTA	5) Others
6- Pickup for passenger	13- Work car	20- Metro		6- Free Travel	
7- Taxi	14- Company bus	21- ENR train		7- Others	



**Transportation Master Plan and Feasability Study of Urban Transport Projects in Greater Cairo Region**

**Shared Taxi Survey Form -1 (Route Characteristics Survey)**

Date:       Day   Period   Surveyor: \_\_\_\_\_

Survey Time From:       To:       # of Seats:   # of Passengers:

Line No.     From: \_\_\_\_\_ To: \_\_\_\_\_

Plate Number       Governorate: \_\_\_\_\_ Veh. Type: \_\_\_\_\_ Make: \_\_\_\_\_

Serial	Location	Arrival Time			Passengers		Departure Time			Dealy Reason	Travel Time		Notes
		hr	min	sec	in	out	hr	min	sec		hr	min	

Day: 1. Sat. 2. Sun, 3. Mon. 4. Tues. 5. Wed. 6. Thur. 7. Friday      Period: 1. 6 am-12 noon 2. 12 noon - 6 pm 3. 6 pm - 12 midnight

Delay Reason: 1. passenger On/Off 2. Traffic Light 3. Accident 4. Traffic Congestion 5. Pedsterian Crossing 6. Others





## **APPENDIX D**

### Cargo Survey Forms



**Form CTS- 3**  
**Company Survey**

Company Code				Zone Code			

--	--	--	--	--	--	--	--

Survey Date

**1- Type of Company**

- 1- Transportation      2- Construction      3- Manufacturing      4- Wholesale      5- Retail  
6- Marketing      7- Others (please specify)

**2- Company Profile**

- 1- Individual      2- Corporate (private)      3- Corporate (public)      4- Government      5- Others (specify)

**4- Number of Employees in Organization**

Classification	Number
1- Drivers	
2- Others	

**3- Number of Vehicles Owned by Company**

No.	Vehicle
	1- Pickup and Van
	2- Two Axles Truck
	3- Three Axles Truck
	4- Heavy Truck (over 3 axles) Including trailers
	5- Others

**5- Do you have Parking lots in your Property**

- 1-  Yes      Area  m<sup>2</sup>      Number
- 2-  No      Where does your truck park?
- 1-  On Street (free)      2-  On Street (paid)      3-  Off Street (free)  
4-  Off Street (paid)      5-  Other (please specify)

**6- Annual Handling Volume of Cargo Transport**

Please fill in form CTS4

**7- Problems on Cargo Transport**

--

**8- Company Name and Address**

<input type="text"/>	Telephone Number	<input type="text"/>	1- Name
<input type="text"/>		<input type="text"/>	2- Contact Person
<input type="text"/>		<input type="text"/>	3- Address

Input	Code	Check

Interviewer	<input type="text"/>
Supervisor	<input type="text"/>

Ministry of Transport

DRTPC, Cairo University

Transportation Master Plan in Greater Cairo

In Association with TTPCU, Faculty of Eng Ain Shams Uni

**CTS - 4 Form**

**Cargo Handling Information**

Company Code				Zone Code			

Survey Date

No.	Destination	Origin	Transportation		Annual Volume (ton)	Name of Cargo	Others
			Major Modes	Share			
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Input	Code	Check

Interviewer	
Supervisor	

# **APPENDIX E**

## **Parking Survey Forms**

<b>(1) SEX</b>  <input type="checkbox"/> 1. Male <input type="checkbox"/> 2. Female	<b>(2) OCCUPATION/STATUS</b>  <table style="width: 100%;"> <tr> <td style="width: 33%;"><input type="checkbox"/> 1. Director and Manager</td> <td style="width: 33%;"><input type="checkbox"/> 4. Sales workers</td> </tr> <tr> <td><input type="checkbox"/> 2. Professional workers</td> <td><input type="checkbox"/> 5. Services workers</td> </tr> <tr> <td><input type="checkbox"/> 3. Clerical workers</td> <td><input type="checkbox"/> 6. Others</td> </tr> </table>	<input type="checkbox"/> 1. Director and Manager	<input type="checkbox"/> 4. Sales workers	<input type="checkbox"/> 2. Professional workers	<input type="checkbox"/> 5. Services workers	<input type="checkbox"/> 3. Clerical workers	<input type="checkbox"/> 6. Others
<input type="checkbox"/> 1. Director and Manager	<input type="checkbox"/> 4. Sales workers						
<input type="checkbox"/> 2. Professional workers	<input type="checkbox"/> 5. Services workers						
<input type="checkbox"/> 3. Clerical workers	<input type="checkbox"/> 6. Others						

<b>(3) PURPOSE OF PARKING</b> <input type="checkbox"/> 1. To working place <input type="checkbox"/> 2. To school/institute <input type="checkbox"/> 3. To home <input type="checkbox"/> 4. Business activity <input type="checkbox"/> 5. Shopping, eating, private activities <input type="checkbox"/> 6. Others (     )	<b>(4) WHERE DID YOU COME FROM ?</b> <table style="width: 100%;"> <tr> <td style="width: 50%;">1) Type of Facility</td> <td style="width: 50%;">2) How far?</td> </tr> </table> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> 1. Residence  <input type="checkbox"/> 2. Private Office  <input type="checkbox"/> 3. Government Office  <input type="checkbox"/> 4. School/Institute  <input type="checkbox"/> 5. Shops/Restaurant  <input type="checkbox"/> 6. Others         </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> 1. In this building  <input type="checkbox"/> 2. Less than 50m from here  <input type="checkbox"/> 3. 50-100m from here  <input type="checkbox"/> 4. 100-200m from here  <input type="checkbox"/> 5. 200-300m from here  <input type="checkbox"/> 6. 300-400m from here  <input type="checkbox"/> 7. More than 500m from here         </td> </tr> </table>	1) Type of Facility	2) How far?	<input type="checkbox"/> 1. Residence <input type="checkbox"/> 2. Private Office <input type="checkbox"/> 3. Government Office <input type="checkbox"/> 4. School/Institute <input type="checkbox"/> 5. Shops/Restaurant <input type="checkbox"/> 6. Others	<input type="checkbox"/> 1. In this building <input type="checkbox"/> 2. Less than 50m from here <input type="checkbox"/> 3. 50-100m from here <input type="checkbox"/> 4. 100-200m from here <input type="checkbox"/> 5. 200-300m from here <input type="checkbox"/> 6. 300-400m from here <input type="checkbox"/> 7. More than 500m from here
1) Type of Facility	2) How far?				
<input type="checkbox"/> 1. Residence <input type="checkbox"/> 2. Private Office <input type="checkbox"/> 3. Government Office <input type="checkbox"/> 4. School/Institute <input type="checkbox"/> 5. Shops/Restaurant <input type="checkbox"/> 6. Others	<input type="checkbox"/> 1. In this building <input type="checkbox"/> 2. Less than 50m from here <input type="checkbox"/> 3. 50-100m from here <input type="checkbox"/> 4. 100-200m from here <input type="checkbox"/> 5. 200-300m from here <input type="checkbox"/> 6. 300-400m from here <input type="checkbox"/> 7. More than 500m from here				

<b>(5) PARKING DURATION AND PARKING CHARGE ?</b> <table style="width: 100%;"> <tr> <td style="width: 50%;">Parking Duration</td> <td style="width: 50%;">Parking charge (L.E.)</td> </tr> </table> <table style="width: 100%;"> <tr> <td style="width: 50%;"><input type="checkbox"/> 1. Less than half hour</td> <td style="width: 50%;">(     )</td> </tr> <tr> <td><input type="checkbox"/> 2. 0.5 - 1.0 hours</td> <td>(     )</td> </tr> <tr> <td><input type="checkbox"/> 3. 1.0 - 1.5 hours</td> <td>(     )</td> </tr> <tr> <td><input type="checkbox"/> 4. 1.5 - 2.0 hours</td> <td>(     )</td> </tr> <tr> <td><input type="checkbox"/> 5. 2.0 - 3.0 hours</td> <td>(     )</td> </tr> <tr> <td><input type="checkbox"/> 6. 3.0 - 5.0 hours</td> <td>(     )</td> </tr> <tr> <td><input type="checkbox"/> 7. 5.0 - (     hours)</td> <td>(     )</td> </tr> </table>	Parking Duration	Parking charge (L.E.)	<input type="checkbox"/> 1. Less than half hour	(     )	<input type="checkbox"/> 2. 0.5 - 1.0 hours	(     )	<input type="checkbox"/> 3. 1.0 - 1.5 hours	(     )	<input type="checkbox"/> 4. 1.5 - 2.0 hours	(     )	<input type="checkbox"/> 5. 2.0 - 3.0 hours	(     )	<input type="checkbox"/> 6. 3.0 - 5.0 hours	(     )	<input type="checkbox"/> 7. 5.0 - (     hours)	(     )	<b>(6) WHO DOES PAY THIS PARKING CHARGE ?</b> <input type="checkbox"/> 1. By myself <input type="checkbox"/> 2. Company <input type="checkbox"/> 3. Free
Parking Duration	Parking charge (L.E.)																
<input type="checkbox"/> 1. Less than half hour	(     )																
<input type="checkbox"/> 2. 0.5 - 1.0 hours	(     )																
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<input type="checkbox"/> 5. 2.0 - 3.0 hours	(     )																
<input type="checkbox"/> 6. 3.0 - 5.0 hours	(     )																
<input type="checkbox"/> 7. 5.0 - (     hours)	(     )																

<b>(7) HOW MANY TIMES DO YOU USE THIS GARAGE IN A WEEK ?</b> <table style="width: 100%;"> <tr> <td style="width: 50%;">Parking Duration</td> <td style="width: 50%;">Parking charge (L.E.)</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Parking Times</th> <th colspan="7">Parking Days</th> </tr> <tr> <th>Sat.</th> <th>Sun.</th> <th>Mon.</th> <th>Tue.</th> <th>Wed.</th> <th>Thr.</th> <th>Fri.</th> </tr> </thead> <tbody> <tr> <td>1. Every day except holiday</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>2. Less than 1 time</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>3. 1 - 2 times</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>4. 2 - 3 times</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>5. 3 - 4 times</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>6. 4 - 5 times</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>7. More than 5 times</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>	Parking Duration	Parking charge (L.E.)	Parking Times	Parking Days							Sat.	Sun.	Mon.	Tue.	Wed.	Thr.	Fri.	1. Every day except holiday								2. Less than 1 time								3. 1 - 2 times								4. 2 - 3 times								5. 3 - 4 times								6. 4 - 5 times								7. More than 5 times								<b>(8) CAN YOU USE OTHER GARAGE IF THIS GARAGE IS NOT AVAILABLE ?</b> <input type="checkbox"/> 1. Yes, easily <input type="checkbox"/> 1.1 Another similar garage <input type="checkbox"/> 1.2 On road <input type="checkbox"/> 1.3 Others (     ) <input type="checkbox"/> 2. Difficult (     ) <input type="checkbox"/> 3. Impossible (     )
Parking Duration	Parking charge (L.E.)																																																																									
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5. 3 - 4 times																																																																										
6. 4 - 5 times																																																																										
7. More than 5 times																																																																										

<b>(9) ANY PROBLEM ON PARKING ?</b>  <input type="checkbox"/> 1. No problem <input type="checkbox"/> 2. Problems, Please specify
---

<b>(1) NAME OF GARAGE</b> Opera		<b>(2) ADDRESS</b> Opera Square	
<b>(3) OPERATOR</b> Care Service		<b>(4) NUMBER OF STORIES</b> 6 Stories (each A&B)	
<b>(5) TOTAL PARKING AREA</b> (unit: sq. meter)		<b>(6) PARKING CAPACITY BY TYPE OF CARS</b>	
1 . Ground level ( No ) (outside building) 2 . Basement ( No ) 3 . Inside building ( 28900 ) (except basement)		1 . Passenger Car 1140 Cars of any Type not exceeding 215 cm in 2 . Microbus high; about 440 for 3 . Large Van monthly pass and 700for 4 . Others Garage hourly Parking	
<b>(7) AVERAGE DAILY NUMBER OF PARKING CARS</b>		2250 all types	
<b>(8) AVERAGE PARKING DURATION</b> ( unit : hours)		<b>(9) PARKING CHARAGE FOR PASSENGER CAR (unit: L.E.)</b>	
1 . Passenger Car 2 . Microbus 3 . Large Van 4 . Others 2-3 all types		1 . First 1 hour ( 1.1 ) 2 . Add. 1 hour ( 0.6 ) 3 . A time ( no ) 4 . 1 day 24 hrs. ( 6.6 ) 5 . Weekly pass ( no ) 6 . Monthly pass ( 60-125 ) 7 . Yearly pass ( no ) 8 . Others ( no )	
<b>(10) TICKET ISSUE OF PARKING CARS</b>		<b>(11) CHARGE COLLECTION</b>	
1 . Machine Issue ( no ) 2 . Manual Issue ( yes )		1 . Machine Collection ( ) 2 . Manual Collection ( )	

## **APPENDIX F**

### **ENVIRONMENTAL SURVEY FORMS**



## EAS: Households

Arabic Republic of Egypt - Ministry of Transport

Transportation Programme - DRTPC - Cairo University  
**CREAIS: Cairo Regional Area Transport Study**

**EAS FORM (1): Household characteristics**

<b>ADDRESS</b>																																	
Build. no. <input style="width: 40px;" type="text"/>	Floor no. <input style="width: 40px;" type="text"/>	Appt. no. <input style="width: 60px;" type="text"/>																															
Street: _____																																	
Land Mark: _____		Date <input style="width: 40px;" type="text"/>																															
Sample no. <input style="width: 100px;" type="text"/>		Kism _____																															
Kism/Shiakha code <input style="width: 100px;" type="text"/>		Shiakha _____																															
<p><b>1- NUMBER OF FAMILY MEMBERS LIVING IN YOUR QUARTERS</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">type</th> <th rowspan="2">total</th> <th colspan="3">6 years &amp; above</th> </tr> <tr> <th>working</th> <th>students</th> <th>others</th> </tr> </thead> <tbody> <tr> <td>male</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> <tr> <td>female</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> </tbody> </table>		type	total	6 years & above			working	students	others	male	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	female	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<p><b>2-TYPE OF LIVING QUARTER</b> <input style="width: 20px;" type="text"/></p> <p>1- Owned villa    2- Rented villa    3- Owned app.          4- Rented appt    5- Shared appt.    6- Rural house          7- Improvised/Temporary hut    8- Others</p> <p><b>3- NUMBER OF ROOMS (INCLUDING LIVING ROOM)</b> <input style="width: 20px;" type="text"/></p> <p><b>4- ELECTRICITY CONSUM. (LAST BILL)</b> <input style="width: 40px;" type="text"/></p> <p><b>5- LAST PHONE BILL (L.E.)</b> <input style="width: 40px;" type="text"/></p>													
type	total			6 years & above																													
		working	students	others																													
male	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>																													
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<p><b>6- TOTAL MONTHLY INCOME OF HOUSEHOLD CONSIDERING ALL SOURCES</b></p>		<p>1) &lt; 300                      2) 301-500                      3) 501-1000                      <input style="width: 20px;" type="text"/>          4) 1001-2000                      5) 2001-5000                      6) &gt; 5000                      9) refused</p>																															
<p><b>7- DOES THE HOUSEHOLD OWN ANY VEHICLES</b>    1- Yes    2- No    <input style="width: 20px;" type="text"/></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Veh. Type</th> <th colspan="2">No. of vehicles</th> <th rowspan="2">Fuel Consum. (L.E./month)</th> </tr> <tr> <th>Parking Off str.</th> <th>Parking On str.</th> </tr> </thead> <tbody> <tr> <td>Motorcycle</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> <tr> <td>Passenger car</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> <tr> <td>Pickups</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> <tr> <td>Taxi</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> <tr> <td>Shred taxi</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> <tr> <td>Trucks</td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> <td><input style="width: 30px;" type="text"/></td> </tr> </tbody> </table>		Veh. Type	No. of vehicles		Fuel Consum. (L.E./month)	Parking Off str.	Parking On str.	Motorcycle	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	Passenger car	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	Pickups	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	Taxi	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	Shred taxi	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	Trucks	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<p><b>8- DO YOU HAVE AN AIR COND. IN YOUR HH.</b>    1- Yes    2- No    <input style="width: 20px;" type="text"/></p> <p><b>9- DO YOU HAVE SATELLITE TV</b>    1- Yes    2- No    <input style="width: 20px;" type="text"/></p> <p><b>10- HOW MANY MOBILE PHONES ARE THERE IN YOUR FAMILY</b>    <input style="width: 20px;" type="text"/></p> <p><b>11- TOTAL MOBILE BILLS PER MONTH (L.E.)</b> <input style="width: 40px;" type="text"/></p> <p>HOME PHONE NO. (OPTIONAL) _____</p>	
Veh. Type	No. of vehicles		Fuel Consum. (L.E./month)																														
	Parking Off str.	Parking On str.																															
Motorcycle	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>																														
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Trucks	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>																														

Surveyor _____	Reviewing _____ / /2001
Surveyor's Code <input style="width: 40px;" type="text"/>	Coding _____ / /2001
Envelop no. <input style="width: 40px;" type="text"/>	Data entry _____ / /2001

**Thank you for your kind cooperation. This study aims at gathering the citizens' opinion on the harmful effects of transportation & fuel consumption on the environment to make suggestions to improve the current situation**

**EAS FORM (2): Environmental Awareness Survey**

sample no.

(2/1)

1- SEX 1- male 2- female	<input type="checkbox"/>	2- AGE 1) 7-9 2) 10-19 3) 20-29 4) 30-39 5) 40-49 6) 50-59 7) > 60	<input type="checkbox"/>
3- OCCUPATION 1- Adm. 5- Sale/Services 9- unskilled 2- professional 6- farmer/fisher 10- other 3- tech./assist. 7- craftsmen 4- clerks 8- production	<input type="checkbox"/>	4- EDUCATION LEVEL 1- University graduate or higher 2- High school or diploma 3- Prep or secondary school 4- None	<input type="checkbox"/>

**5- DO YOU FEEL THAT OVER THE LAST 20 YEARS AIR POLLUTION WITHIN CAIRO HAS**

1- Increased each year 2- Remained the same 3- Decreased 4- I am not familiar

**6- THE MAIN PROBLEMS YOU FACE WITH TRAFFIC AT YOUR LIVING PLACE ARE :**

*(multiple answers possible)* 1- YES 2- NO

1- Frequent congestion at notorious "black spots"	<input type="checkbox"/>	2- My health and the health of my family members is affected by daily exposure to heavy traffic congestion	<input type="checkbox"/>
3- High exposure to vehicle smoke	<input type="checkbox"/>	4- High exposure to vehicle noise	<input type="checkbox"/>
5- High accident risk when we cross roads	<input type="checkbox"/>	6- No safe preparations for the passage of pedestrians	<input type="checkbox"/>
7- Not enough parking places	<input type="checkbox"/>	8- Too many controls by traffic police	<input type="checkbox"/>
9- My economic activities are negatively influenced by daily traffic jams	<input type="checkbox"/>	10- None	<input type="checkbox"/>
11- others speci ( _____ )	<input type="checkbox"/>	12- I am not familiar	<input type="checkbox"/>

**7- DO YOU OR SOME OF YOUR FAMILY MEMBERS SUFFER FROM RESPIRATORY ALIMENTS ATTRIBUTABLE TO DAILY EXPOSURE TO HEAVY CONGESTED AREAS**

1- No, although we daily pass congested areas	2- No, because we live far away from such areas
3- Yes, we sometimes suffer from these symptoms specify _____	4- Yes, we often suffer from these symptoms specify _____
5- I am not familiar	

**8- DO YOU OR SOME OF YOUR FAMILY MEMBERS SUFFER FROM HIGH NOISE LEVELS ATTRIBUTABLE TO DAILY EXPOSURE TO TRAFFIC NOISE**

1- No, although we daily pass congested areas	2- No, because we live far away from such areas
3- Yes, we sometimes suffer from hearing impairment symptoms specify _____	4- we sometimes suffer from other symptoms specify _____
5- I am not familiar	

**9- DO YOU THINK THAT AIR POLLUTION IN CAIRO IS A RESULT OF**

*(multiple answers possible)* 1- YES 2- NO

1- Increased number of busses, taxis and shared taxis	<input type="checkbox"/>	2- Increased number of private cars	<input type="checkbox"/>
3- Increased industrial development	<input type="checkbox"/>	4- Lack of pollution control for heavy industries	<input type="checkbox"/>
5- Poor maintenance and combustion of old vehicles	<input type="checkbox"/>	6- Bad driving habits (speeding)	<input type="checkbox"/>
7- Insufficient training of drivers	<input type="checkbox"/>	8- Insufficient technical checkups of vehicles	<input type="checkbox"/>
9- Insufficient laws to control traffic and pollution	<input type="checkbox"/>	10- Insufficient enforcement of traffic regulations	<input type="checkbox"/>
11- Insufficient monitoring of air quality	<input type="checkbox"/>	12- Geographic situation	<input type="checkbox"/>
13- Lack of planning to solve traffic congestion problems	<input type="checkbox"/>	14- Effect of sand particles from the desert	<input type="checkbox"/>
15- Increased construction works	<input type="checkbox"/>	16- Open burning of rice hay	<input type="checkbox"/>
17- I don't think the air quality in Cairo is poor	<input type="checkbox"/>	18- Others	<input type="checkbox"/>
19- I am not familiar	<input type="checkbox"/>	Specify: _____	

**10- CAIRO HAS HIGH ACCIDENT RATES, DO YOU FEEL THAT***(multiple answers possible)*

1- YES      2- NO

- 1- Accident rates incr. each year  remain the same       2- Could be reduced if drivers were better trained
- 3- Could be reduced if traffic police controls would intensify       4- Could be reduced if speeding penalties would be higher
- 5- Could be reduced if pedestrian passages would be safer       6- Would be less severe if Cairo had better ambulance system
- 7- I am not familiar

**11- ARE YOU IN FAVOR OF INTRODUCING STRICTER VEHICLE CHECKS AND OBLIGING CAR OWNERS TO INSTALL IN THEIR CAR IMPROVED COMBUSTION TECHNOLOGIES?**

- 1- Yes, and I am willing to pay(I have a car) / Yes, and I would pay(if I get a car)      2- Yes, only if the government fully subsidize it
- 3- No, I consider this too expensive      4- No, I don't think this would solve the problem of air pollution in Cairo
- 5- Yes, only if the government partially subsidize it      6- I am not familiar

**12- WOULD YOU CONSIDER IT BENEFICIAL FOR CAIRO'S AIR QUALITY TO REDUCE THE USE OF PRIVATE CARS FOR SHORT CITY TRIPS OR TRAVEL TO WORK***(multiple answers possible)*

1- YES      2- NO

- 1- No, it would not solve the problem of air pollution in Cairo       2- Yes, as this would reduce congestion risks
- 3- Yes, less cars on the streets would reduce pollution       4- yes, if there would be a social & economic incentive to do so
- 5- Others       6- I am not familiar

Specify \_\_\_\_\_ / \_\_\_\_\_

**13- WHAT IN YOUR OPINION IS THE PRACTICAL ALTERNATIVE TO REDUCE THE USE OF PRIVATE CARS**

- 1- Has suggestions
- 2- Does not have suggestions
- 3- Is not familiar

specify 1) \_\_\_\_\_ / 3) \_\_\_\_\_

2) \_\_\_\_\_ / 4) \_\_\_\_\_

**14- DO YOU KNOW ABOUT CNG CARS**

- 1- Yes      2- No

Q15, Q16 and Q17 are for car owners only

**15- ARE YOU WILLING TO CONVERT YOUR CAR TO RUN ON CNG**

- 1- Yes      2- Maybe (yes and no)
- 3- No      4- My car already runs on CNG

if answer is "1" or "4" skip to Q17

**16- WHAT ARE YOUR REASONS FOR NOT WANTING TO CONVERT***(multiple answers possible)*

1- YES      2- NO

- 1- Initial cost is high       2- Engine problems
- 3- Queuing at filling stations       4- Safety
- 5- Others
- specify \_\_\_\_\_ / \_\_\_\_\_

**17- WOULD YOU BE WILLING TO USE YOUR CAR LESS IF***(multiple answers possible)*

1- YES      2- NO

- 1- Public transport would be more convenient       2- Public transport would be cheaper
- 3- Public transport would be more attractive       4- Public transport would be faster
- 5- I consider the use of car a matter of personal freedom that should not be interfered with