

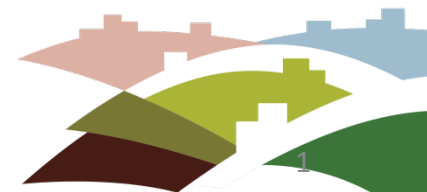
Data Applications to Assess Transport Operations & Policy Needs

IGC Cities That Work Workshop,

Amman, 17th April, 2019

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Public Transportation Planning & Studies Dept., GAM

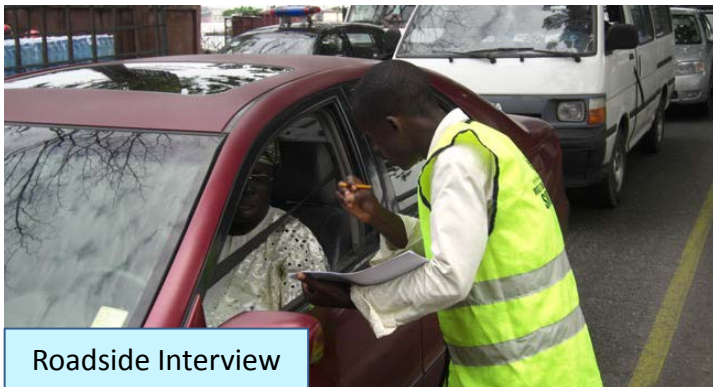
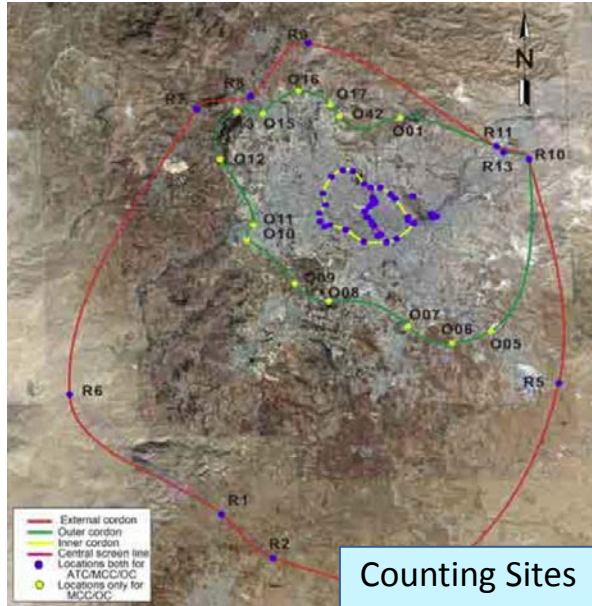


Public Transportation Planning & Studies Dept.



- Roles & Responsibilities:
- Compiling transport data
 - Upkeep, improvement and use of traffic model
 - Providing data: within GAM, for researchers & students
 - Reviewing & producing reports related to mobility
 - Working on update of Transport Mobility Master Plan

Data Collection – Mobility



Planning Data by Zone

Total #	From a sample of households	From a sample of persons
Population & No. of households	Household size	Work or education <ul style="list-style-type: none">•Type•Place
Educational Places (No. of students)	Av. income	Age & Gender
Work Places (No. of employees)	Vehicle ownership	Trips - previous day by: <ul style="list-style-type: none">•Purpose•Mode

VISUM Traffic Model

VISUM 11.03-10 - Network: Amman_BRT_DM300_AM_PuT_Assi_1_4_million_network_changes.ver* - [Network]

File Edit View Lists Filters Calculate Graphics Network Demand Extras Scripts Windows Help

0730

Quick view

No	Code	Name	ControlType	CapPrT	t0PrT	VnlPrT

Network objects

Types Browser

- Nodes
- Links
- Turns
- Zones
- Connectors
- Main nodes
- Main turns
- Main zones
- Territories
- OD Pairs
- Main OD Pairs
- PrT Paths
- POIs

Edit link

Number: 2297 Type: 19_2_2L_70_Expressway

From node: 1628 To node: 261 Transport systems: A,B,D,GV,J,L...

Basis	PrT-Sys	PuT-Sys	Congestion	DUE	ICA	User
Direct distance	0.114km	v0 PrT			70km/h	
Length	0.114km	Lanes			2	
AddValue 1	0	Capacity PrT			3700	
AddValue 2	30	HGV Share [%]			0	
AddValue 3	72	VolCapRatio PrT			113 %	
PlanNo	0	Volume PrT [Veh]			4027	
Bar label	<input checked="" type="checkbox"/>	Volume PuT [Pers]			2175	
Name						

Opposite OK Cancel

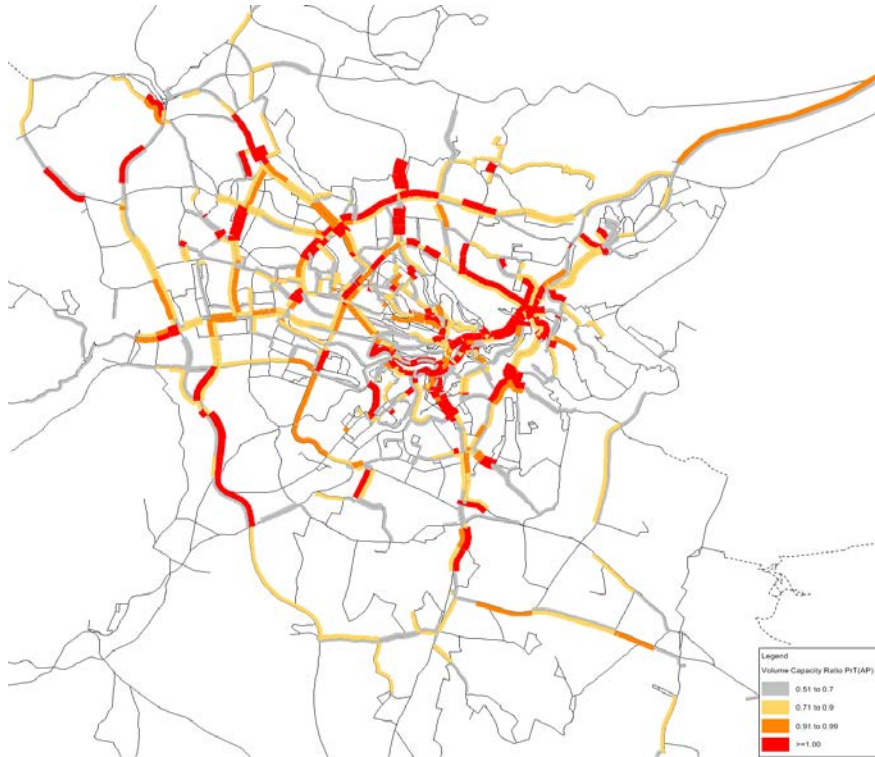
Legend:

- Expressway
- Urban Express
- Inter-Urban
- D3/4 Urban
- D2 Urban
- S1 Urban

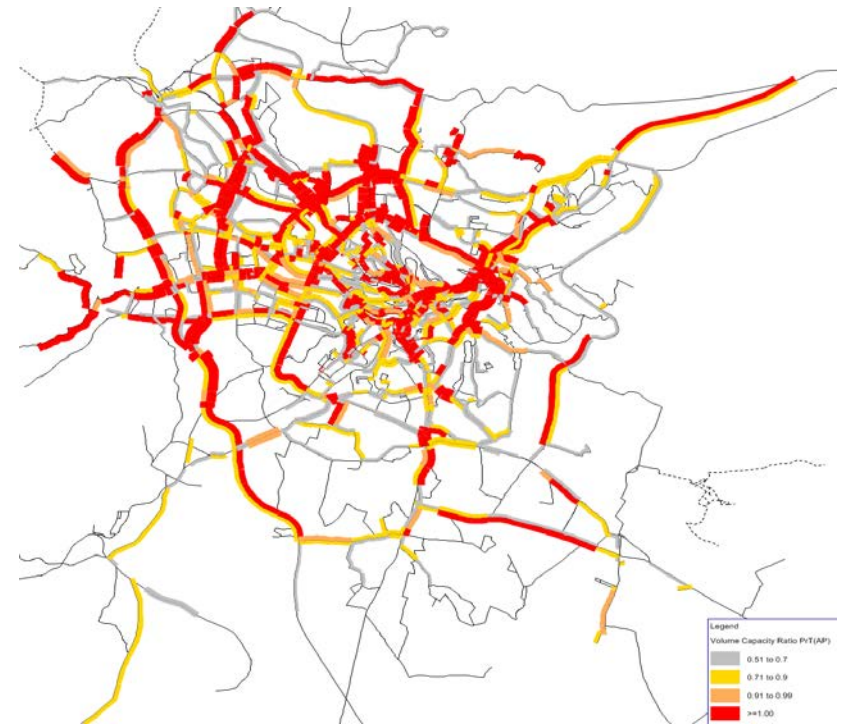
1:75443 242888.3519 147771.7024

Uses of VISUM Traffic Model

2008 am peak



2016 am peak



Links in red are congested (V/C ratio ≥ 1)

Conclusions & Recommendations

- 1) Continue to emphasize the value of data & importance of correct practices.
- 2) Work with different departments to enhance understanding & use of data particularly related to planning data.
- 3) Improve system of archiving to ensure future data availability through Urban Observatory
- 4) Build data collection into regular work practice and set a schedule for data collection.
- 5) Build capacity within GAM to carry out necessary regular data collection & analysis.

Thank you. Any Questions?