

# Intelligent Transportation Systems: Vision for Israel 2020

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# Land Transport: current trends

- Very **dense country** – 350 per Km<sup>2</sup>, will reach 450 in 2020;
- **Car ownership** per capita growth 40% since 1990 and keeps rising;
- Total **mileage** increase since 1990 5.5% annually;
- **Congestion**, Difficulties of Accessibility in Metropolitan areas;
- **Negative impact on the Environment and Quality of life.**

# Land Transport Policy - Rational

- Alternatives to consider: **Current trends** versus **sustainable development**;
- Enhancing mobility by car is no longer an option - focus on **Improving accessibility**;
- Higher priority for **Road safety** and **environmental** impact considerations;



ITS is an important element in promoting transport policy objectives

# Public Transit – a key factor

- **Main policy target:** Modal split shift for 70% commuters on Public Transit;
- **Investments in Mass Transit projects:** Israeli Rail (national interurban), Tel Aviv Light Rail, Jerusalem Light Rail, Haifa BRT;
- Align land use planning with mass transit projects;
- No more massive construction of new highways;
- Mitigating congestion by demand control.



# How ITS will promote Transport Policy objectives - Highlights

## Public Authorities perspective

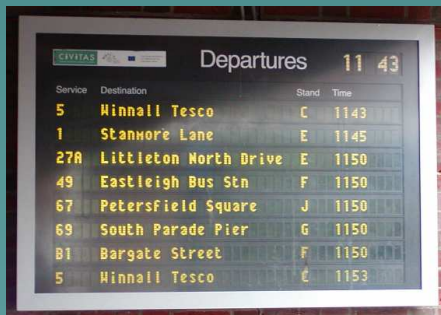
- Effective **operating tools for mass transit operators** – traffic lights priority rights for LRT & BRT at street level;
- Improve Mass **Transit level of service**: Passenger Information Systems, Electronic ticketing;
- Mitigate congestion: **Traffic monitoring** and control for **incident detection**, traveler **Information Services**, Congestion charging.

# Transit Traveler Information

Easily accessible information is a key factor in choosing travel mode

- Pre-trip travel information
- Bus-stop
- PDA, Cell-phones

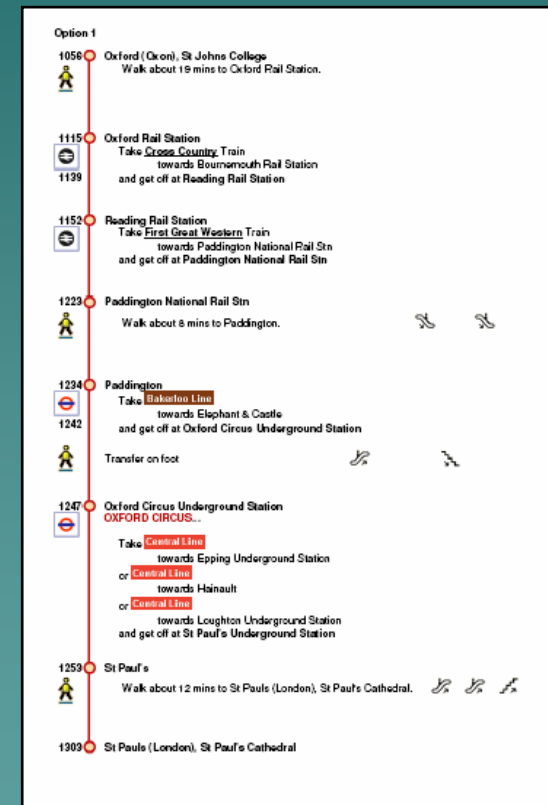
From Oxford (St. Johns) to London (St. Paul's cathedral)



From Oxford (Oxon), St Johns College to St Pauls (London), St Paul's Cathedral

You asked to travel on Thursday 28<sup>th</sup> August departing at 1100  
Default options were used (all modes, fastest journeys).

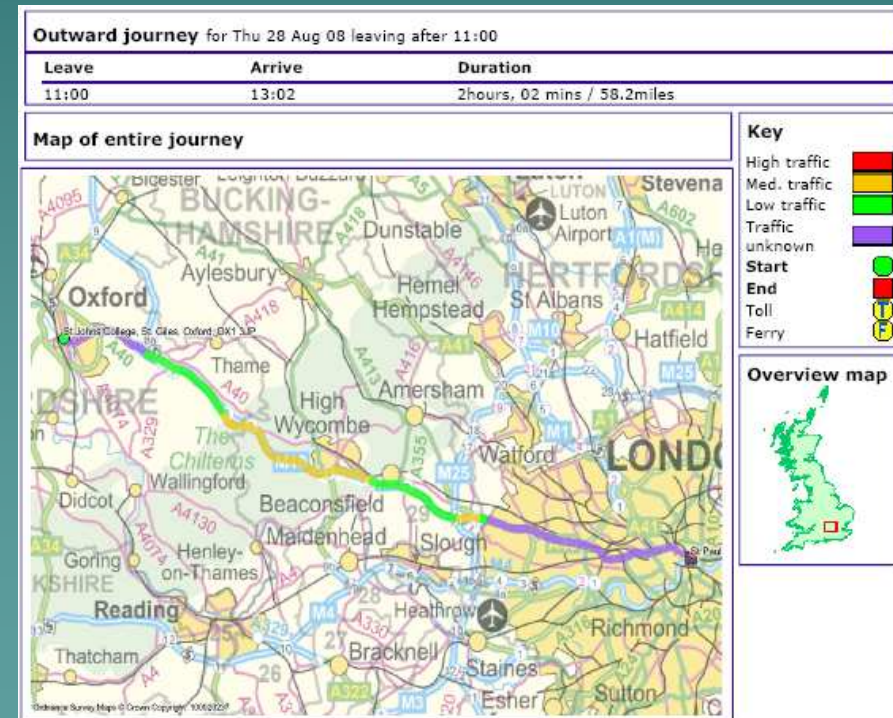
	Depart	Arrive	Changes	Max journey time	Trip Summary
1.	1056	1303	3	02:07	
2.	1112	1315	2	02:03	
3.	1112	1310	1	01:58	
4.	1121	1345	2	02:24	
5.	1121	1341	1	02:20	
6.	1142	1338	2	01:56	
7.	1142	1343	1	02:01	



# Mitigating congestion

## Tools for congestion mitigation by Roads Authorities:

- Pre-trip and on-trip traffic information;
- Event management;
- Congestion charging;



# חזון למערכות תבוניות לתחבורה בישראל לשנת 2020

המסמך המלא נמצא באתר האינטרנט של משרד  
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