EAS 375

Lecture Questions

What factors have led to the spectacular growth of the suburbs?

* Cities where crowded and polluted.
* Increase individual mobility (car and cheap gasoline).
* Expansion of interstate highway system.

What are the negative aspects of auto transportation for people that live in the suburbs?

Higher consumption of energy and time, increased pollution, requires enormous quantities of gasoline. Time to drive back and forth between city and suburb, and also traffic jams.

How can we move people from suburbia more efficiently into the cities?

Build an efficient public transport.

What are infrastructure problems that have to be solved when building rapid transit systems?

* Modification of existing transit corridors.
* Construction of new transit corridors.
* Design or redesign of existing city structures.
* Transport passenger to public transport.

It needs land, and space to park cars. May need to remove houses.

What are the problems that must be overcome when building new rapid transit systems?

1. NIMBY (pollution, noise, property value)
2. Building costs
3. Environmental impact studies
4. Permits
5. Right of way
6. Energy source
7. Educating the public of the benefits of public transit

What factors determines the success of a rapid transit system?

Access: Means of getting to transit system

Schedules: Frequency, Predefined schedules.