

Introduction to Transit Planning for Operations

Transit planning for operations refers to the types of decisions that need to be made to effectively keep an existing transit system operation effectively and efficiently. This section of the course describes some of the fundamental relationships for transit systems and describes procedures for route location, scheduling, cost analysis and demand estimation.

Transit planning for operations involves getting a clear understanding of the decisions to be made in the planning process and the use of performance indicators to determine specific problems to be addressed. There is some important background information that should be looked at. The following should be read first:

- [Transit Operations Decisions](#)
- [Transit Performance Evaluation](#)
- [Use of Performance Data](#)

For those interested in the use of Geographic information systems, several topics are also provided.

- [Use of GIS for performance evaluation](#)
- [Transit GIS case studies, power point](#)

Once you have read these, answer the following questions

1. What do you feel are the five best performance indicators to use for transit route planning?
2. What do transit passengers want? Give a list of five factors that are of most importance to someone considering using transit.
3. Compare the two lists and discuss, are they similar or different and what are the implications if they are different?
4. Post you answer in the course email reflector and discuss the results with other class members.

Five year plan:

You should look at the examples of five year transit plans

- [Transit Five Year Plan examples](#)

Answer the following questions:

1. What portion of a five year plan would have to be completely rewritten each year?
2. What is the role of performance indicators in a five year plan?
3. How would the process of preparing a five year plan for transit compare with something done for highways?

4. What is the status of transit planning in your community, what approach do they use?