



# Introduction to Transportation Systems

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# SUMMARY

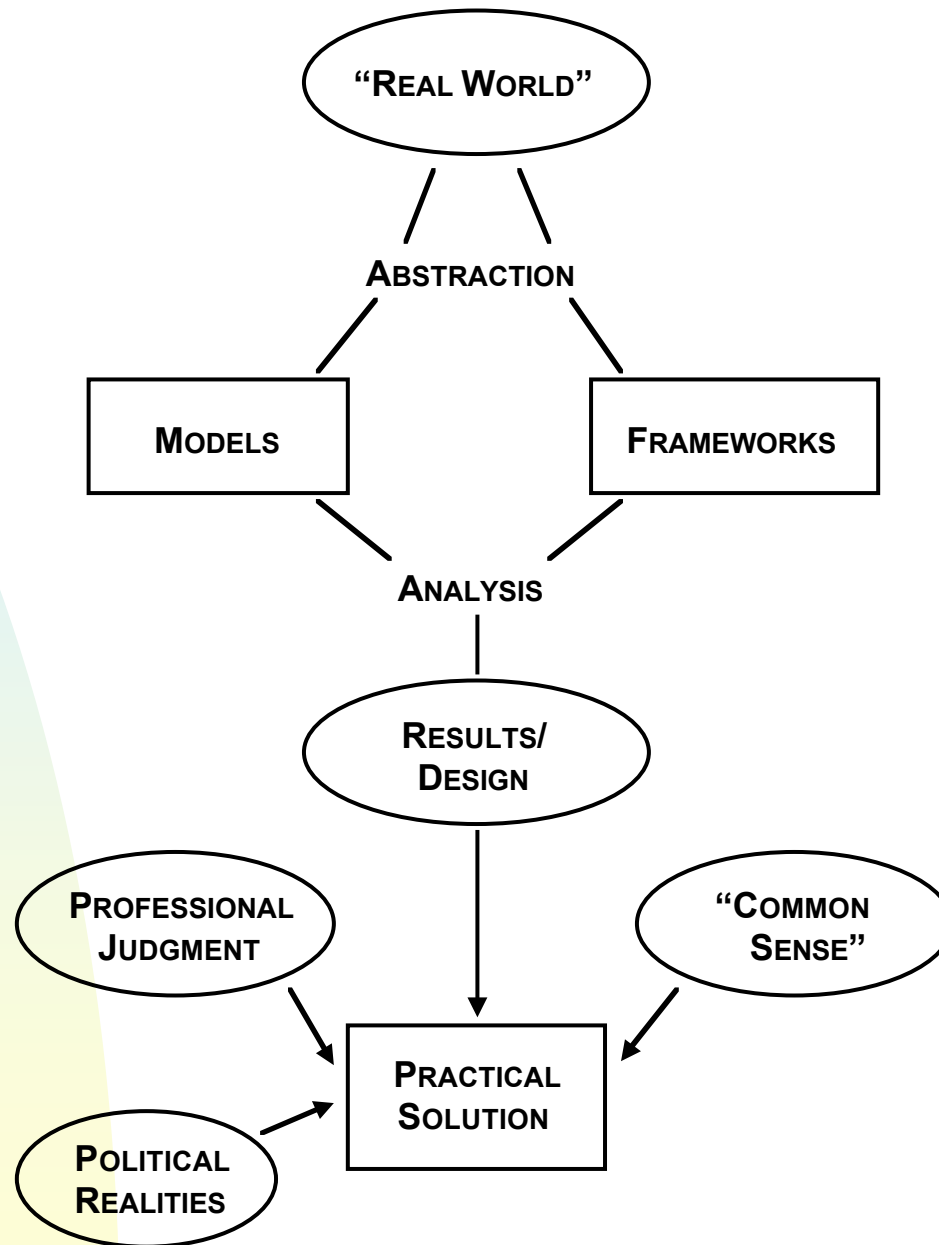
***NOTE TO INSTRUCTORS:*** *These slides cover major ideas from the course, and should be supplemented with other materials presented by the instructor.*

# SO WHERE HAVE WE BEEN IN 1.221?

- ◆ Concepts
  - ◆ CLIOS
  - ◆ 30 Key Points
- ◆ Freight Transportation
  - ◆ Total Logistics Costs (TLC)
  - ◆ LOS for freight modes
  - ◆ Operating issues
- ◆ Traveler Transportation
  - ◆ Automobiles
  - ◆ Urban Form and Transportation
  - ◆ ITS
  - ◆ Urban Public Transportation
  - ◆ Megacities
  - ◆ Intercity Traveler Transportation--Air, Amtrak, e.g.

# SOME EMPHASIZED POINTS

- ◆ The Triplet of Technology/Systems/Institutions
- ◆ Level-of-Service (LOS)--freight and travelers--the importance of the customer
- ◆ The Cost/LOS trade-off
- ◆ Supply/Demand/Equilibrium
- ◆ The Vehicle-cycle
- ◆ Transportation as a component of a larger social-political-economic system--a force for good and otherwise

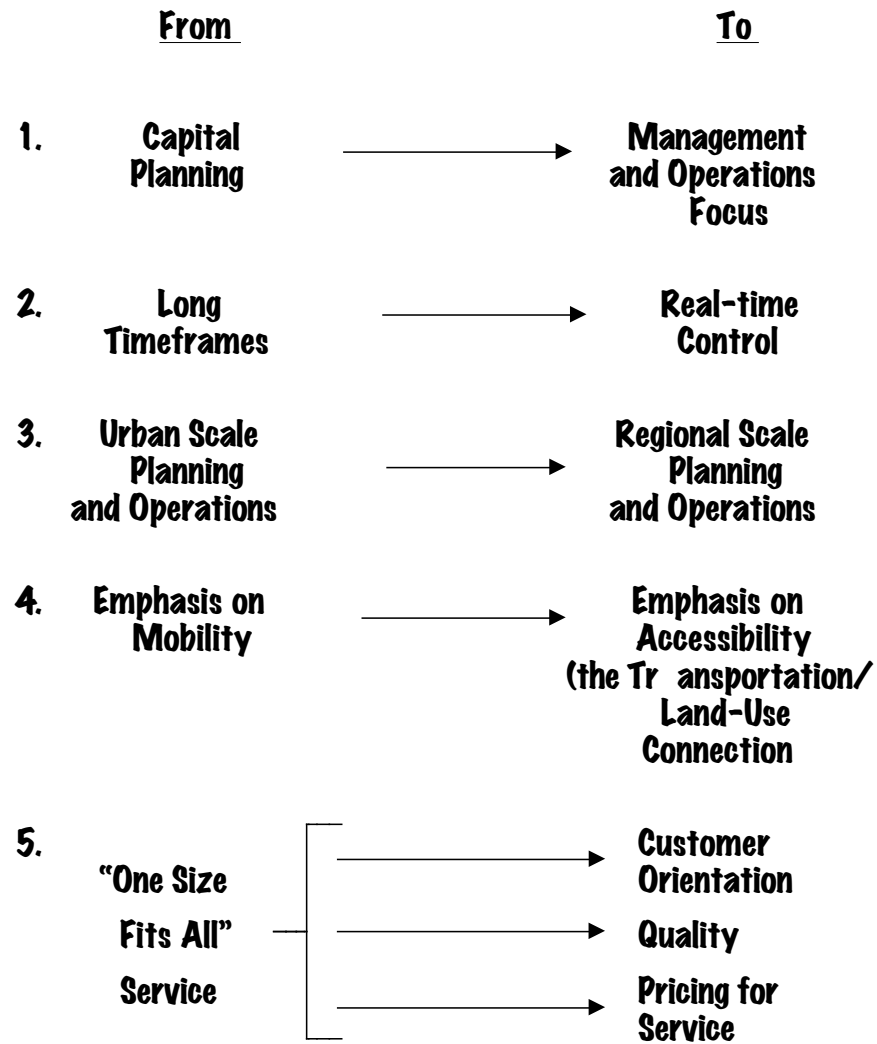




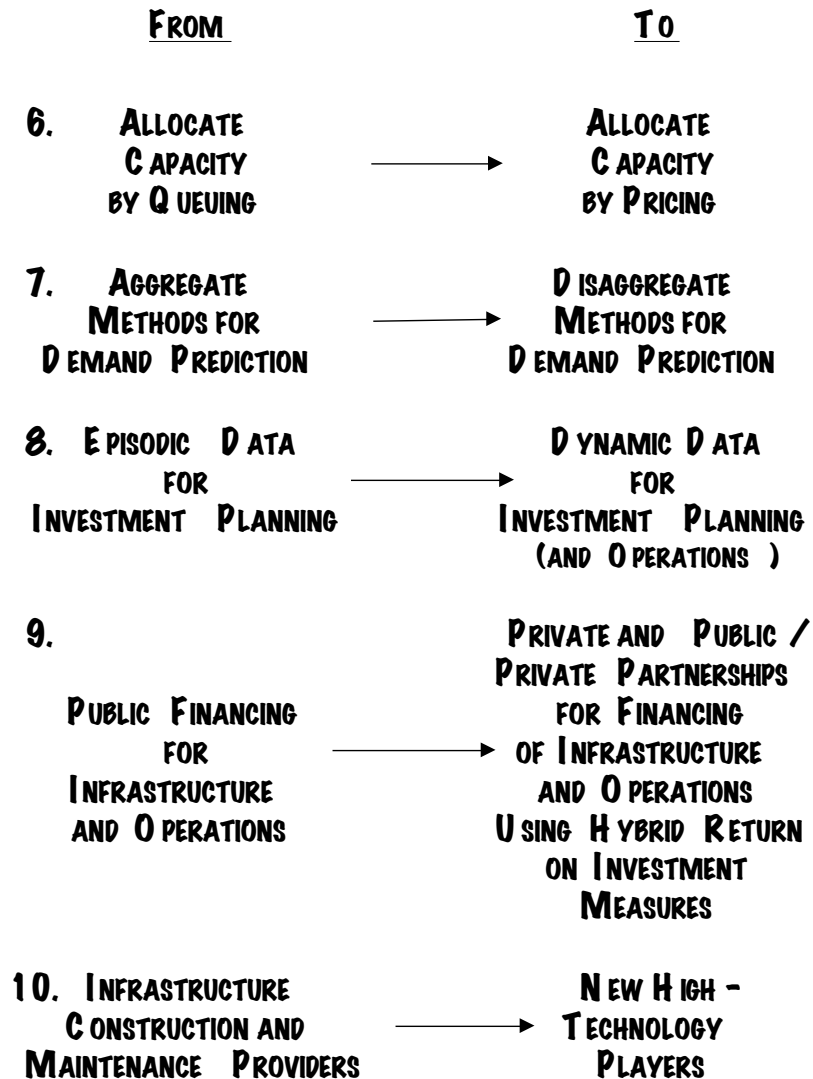
# TRANSITIONS IN THE WORLD OF TRANSPORTATION: A SYSTEMS VIEW

Joseph M. Sussman  
*Transportation Quarterly*  
Vol. 56, No. 1, Winter 2002  
Eno Transportation Foundation  
Washington, DC, 2002

# SUMMARY OF TRANSITIONS

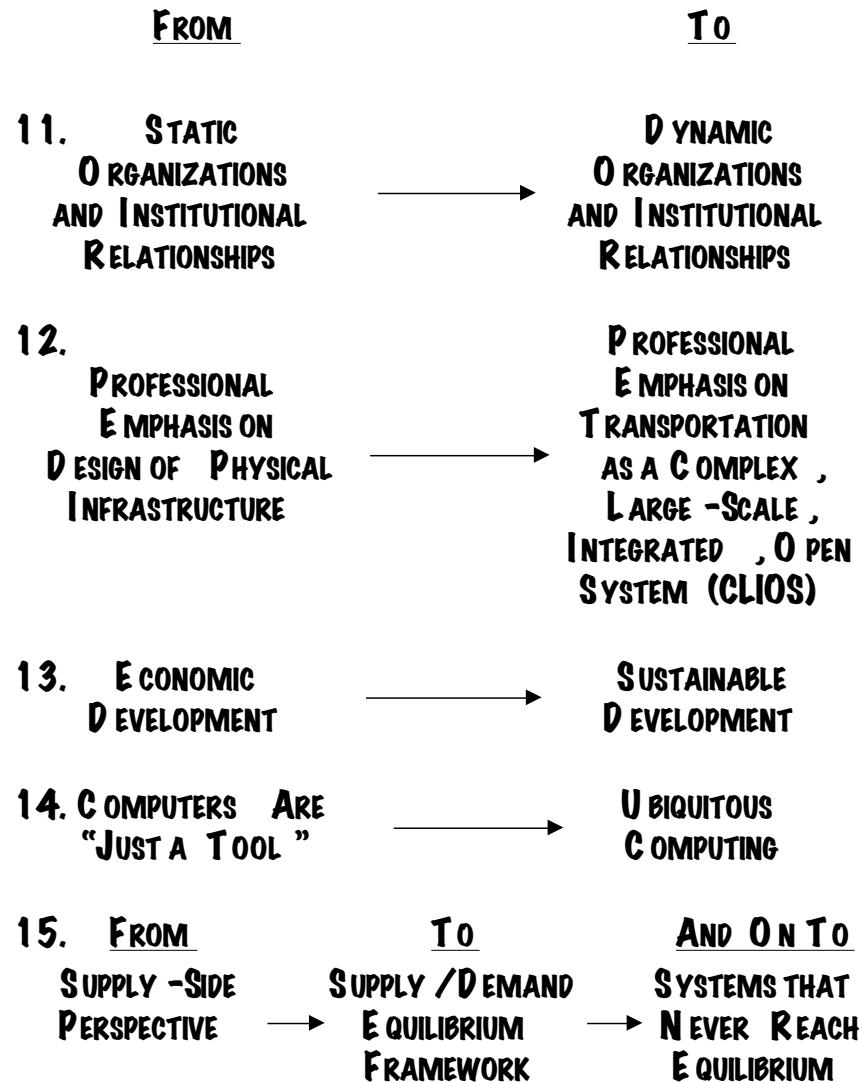


# SUMMARY OF TRANSITIONS (CONTINUED)





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