

# Introduction to Transportation Systems

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**PART I:**

**CONTEXT,  
CONCEPTS AND  
CHARACTERIZATION**

## **Chapter 3:**

# **Transportation Systems Components: An External Perspective**

# External Components of the Transportation System

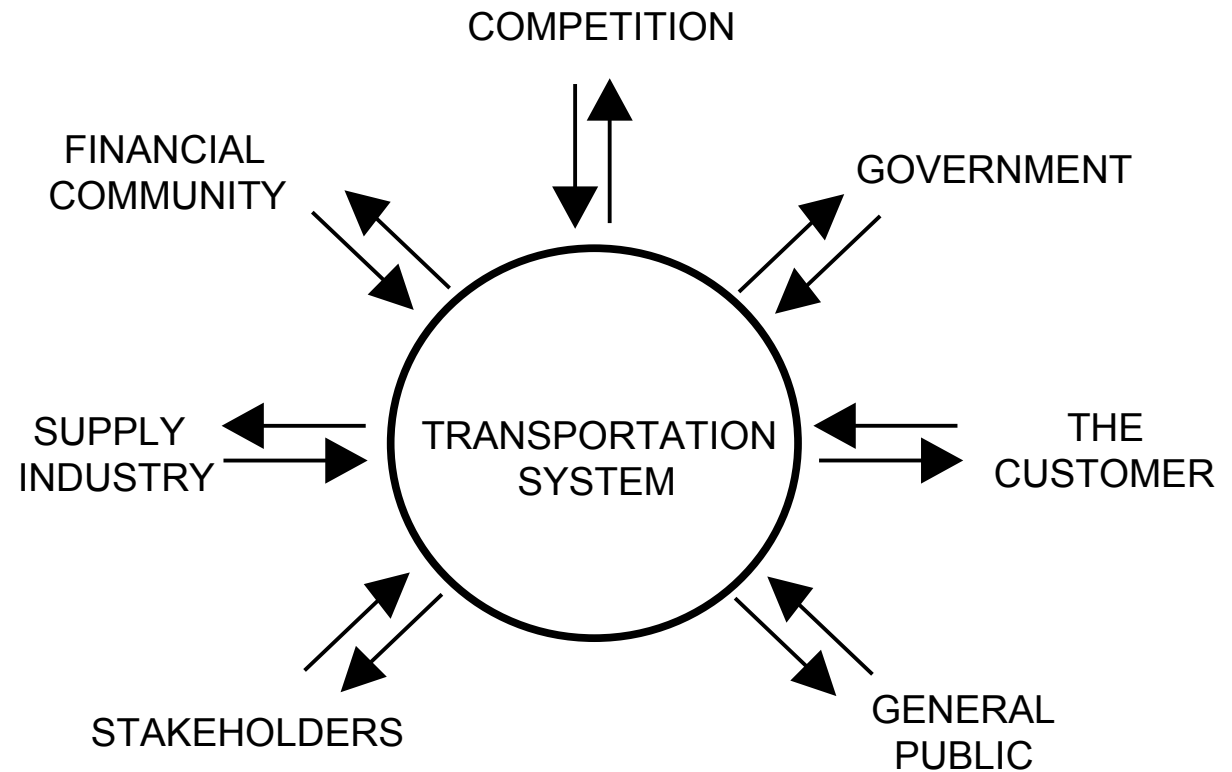


Figure 3.1

# Government

- ◆ Taxes
- ◆ Safety
- ◆ User Fees
- ◆ Financial Regulation
- ◆ Entry and Exit from Market
- ◆ Monopolies

# Competition

- ◆ Intra-modal (e.g., other airlines)
- ◆ Inter-modal (rail vs. truck)
- ◆ The consumer's money
  - ◆ Buy a house or take a vacation
- ◆ Transportation/Communication System Competition

# Financial Community

- ◆ Equity
- ◆ Debt

# Supply Industry

- ◆ Vehicle Providers (and their importance in the global economy) -- automobiles, airplanes
- ◆ Infrastructure Builders
  - ◆ Low-tech
  - ◆ High-tech
- ◆ Components
  - ◆ Electronics
  - ◆ Materials
- ◆ Research Community
- ◆ Insurance Industry



# Stakeholders

- ◆ People/Organizations who are *not* customers or suppliers but are nonetheless concerned
  - ◆ Environmental Community
  - ◆ Abutters, e.g., of airports
  - ◆ The General Public -- concerned with quality of life, national defense, economic development, as enabled by the transportation system

# The Customer

THE CUSTOMER -- the most important external element, deserving of a chapter all by itself.