

Introduction to Transportation Systems

PART I:

**CONTEXT,
CONCEPTS AND
CHARACTERIZATION**

Chapter 3:

Transportation Systems Components: An External Perspective

External Components of the Transportation System

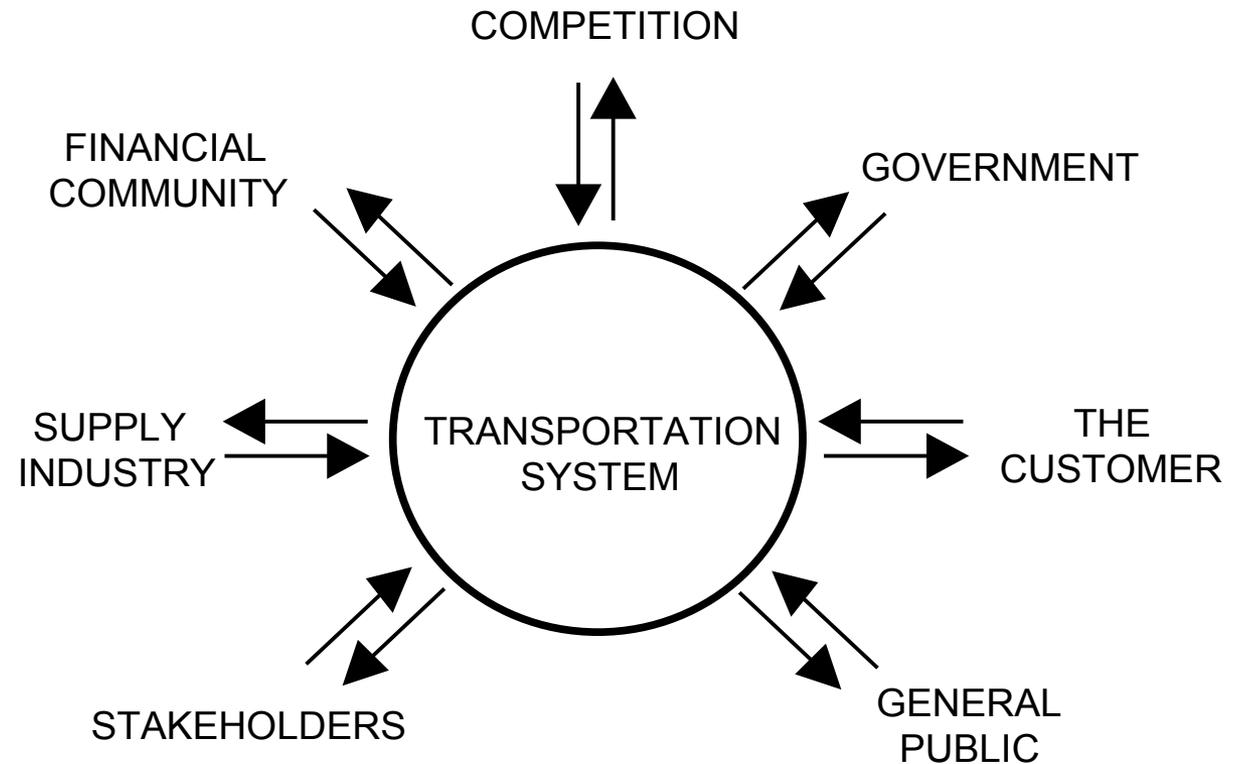


Figure 3.1

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.