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Goal: Efficient Transportation Systems



Classic Economic Analyses

- Beckman et al. (1956) Equilibrium
- Meyer et al. (1958) Statistical Costing
- Walters (1961) Highway Costs
- Warner (1962) Modal Split
- Vickery (1963) Pricing and Investment
- Solow & Vickery (1971) Land Use
- McFadden (1974) Demand Estimates

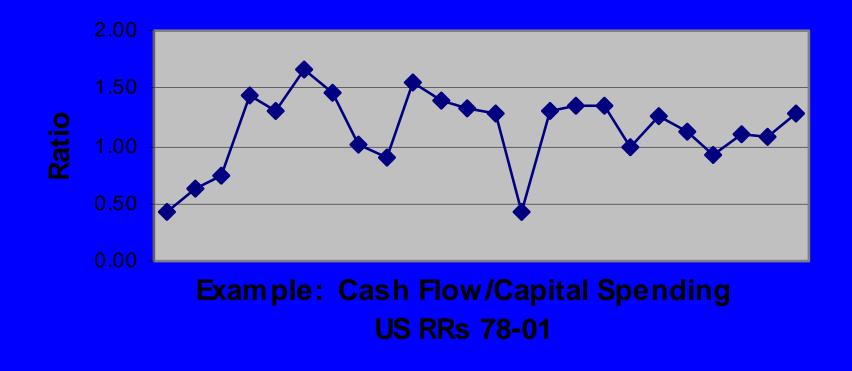
Classic Legislation

- Airline Deregulation Act of 1978
- Motor Carrier Act of 1980
- Staggers Rail Act of 1980
- Intermodal Surface Transportation Efficiency Act of 1991

What we knew in 1980

- Modal decisions are based on comparative internal costs to users.
- Autos and trucks have significant cost advantages in many markets—despite externalities.
- Excess regulation may have caused many problems in intercity freight and passenger.
- Eliminating all subsidies (including highway subsidies) is better than giving countervailing subsidies.

If deregulation and ISTEA were so good, why is there still a stone in my shoe?



What we did not know in 1980

- Extent to which railroads (and perhaps other modes) really were natural monopolies.
- Effect of contracts on rate and service levels in freight markets.
- Political economy of transport pricing and investment (especially highways).
- How exactly should government intervene in transportation markets –regulation, procurement, antitrust.

What Is TRF Investigating in 2005?

- Oster and Strong Evolution of U.S. Domestic Airline Route Networks
- Huneke Game Theory Approach to Railroad-Shipper Negotiations
- Button & Thibault Political Economy of Maritime Container Security
- Senguttuvan Airport Regulation and Competition

Summary of Needs

- Traditional Industrial
 Organization Studies
 - Demand Functions
 - Cost Functions
 - Pricing
 - Market Failure

- New Industrial Organization Studies
 - Contracting
 - Political Economy
 - Regulatory Design
 - Structural Merger Analysis

There may be other issues...

