

# PERFORMANCE MEASURES

- 1. Critique of Fielding's approach**
- 2. Structure of performance measures**

# Critique of Performance Measures

- **Limited by availability of NTD data**
  - **focused on cost and efficiency**
  - **little data on quality and effectiveness**
- **Resulting measures place too much emphasis on cost efficiency and too little on cost-effectiveness**
- **Make it too easy for the manager to ignore the market and service quality**
- **Do not contribute effectively to the hypothetical roles for measures**

# Performance Measure Examples

**Vehicle Miles**

**Maintenance Employees**

- many possible interpretations without control for maintenance effectiveness

**Revenue**

**Operating Expense**

- if local area favors low fares, does this mean poor performance?

**Passengers**

**Rev Veh Hour**

- very high values may imply very congested vehicles; is this good performance?

# Critique of Peer Group Comparisons

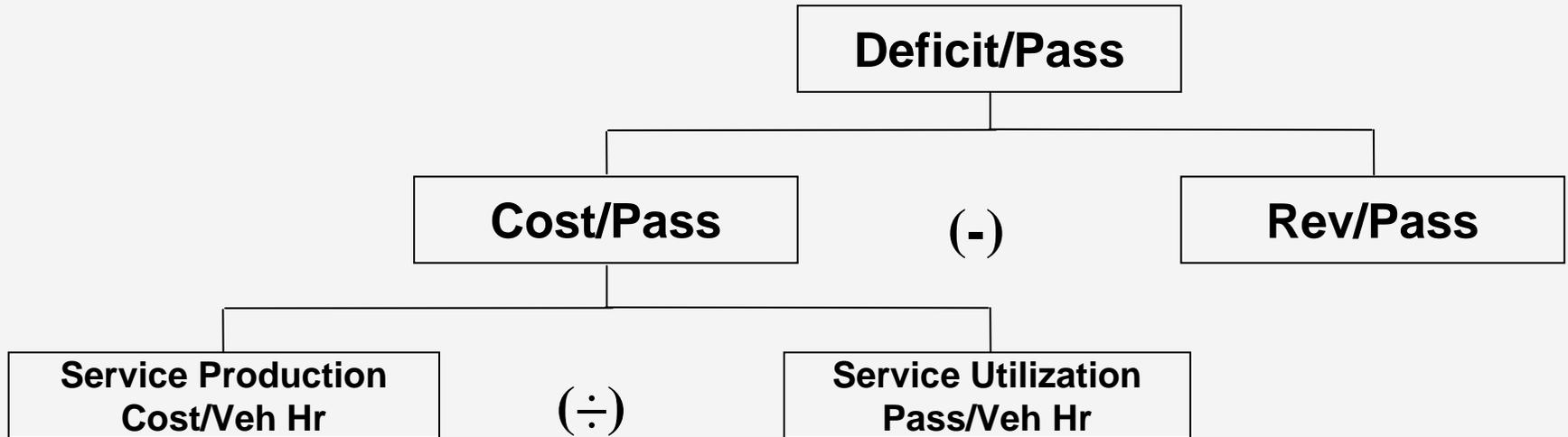
- **Peers and/or measures need to recognize impacts of non-NTD differences such as:**
  - **cost of living**
  - **urban structure**
  - **auto ownership**
- **Peers should be defined uniquely for each agency**
- **Peers might be defined differently for different types of measure**

# Structure of Performance Measures (D. Lee)

## Basic premises:

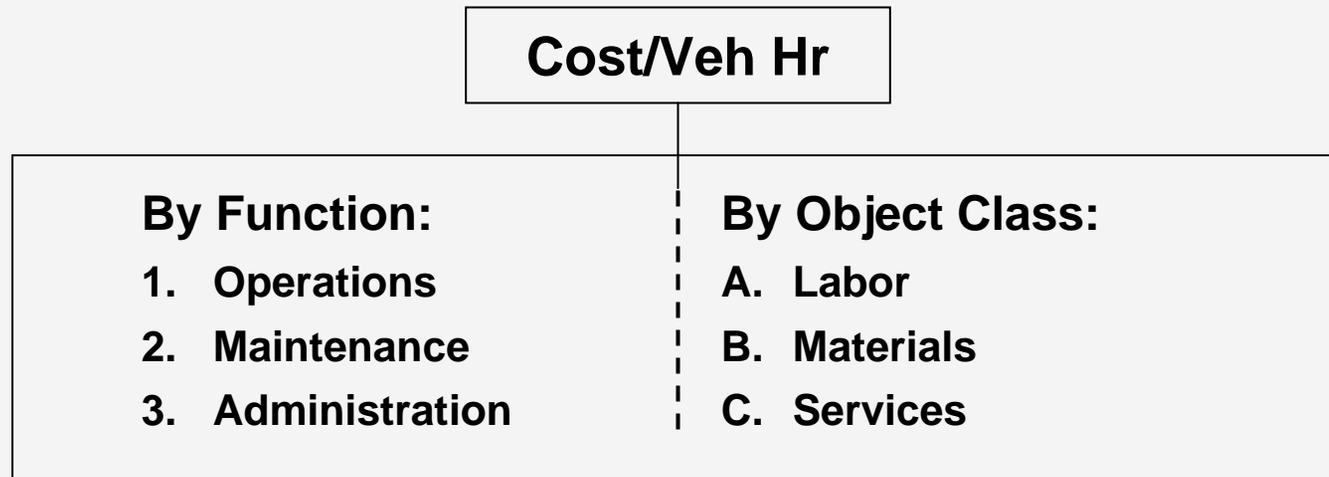
- each indicator should measure something unique
- a subset of indicators should fully describe some dimension of the system
- subsets of indicators should cover all important dimensions
- indicators can be grouped and nested
- for two systems to be compared along one dimension, they need not be similar in all other dimensions

# Level 1: Aggregate Performance Indicators



# Level 2: Cost

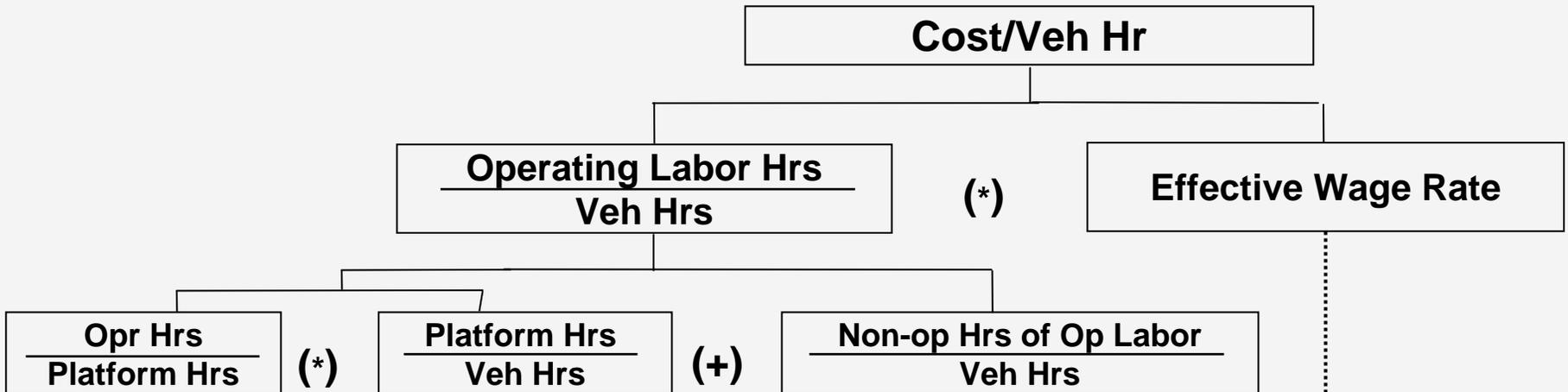
## General:



**Develop separate relationships and indicators for all interesting combinations of Functions (1-3) and Object Class (A-C)**

# Level 2: Cost (cont'd)

## Specific: 1A. Operations-Labor



- **Product of:**
  - *base wage*
  - *seniority factor*
  - *premiums factor*
  - *guarantees factor*
  - *fringe benefit factors*

# Level 2: Utilization

