Please know the following information for the first test.

I. Introduction
   a. Terminology (e.g. nodes, routes)
   b. Friction of distance concept.
   c. Hinterlands.
   d. Urban fields.

Eras of Inter-urban Transport

II. Turnpike Era
   a. Characteristics of the mode (e.g. muddy, went where rivers did not).
   b. Transportation problems during this era.
   c. Transportation solutions this mode offered.
   d. External circumstances facing transportation during this era (e.g. European orientation).

III. Canal Era
   a. Characteristics of the mode (e.g. greater tonnage, only operated when warm).
   b. Transportation problems during this era.
   c. Transportation solutions this mode offered.
   d. External circumstances facing transportation during this era (e.g. American orientation).

IV. Railroad Era
   a. Characteristics of the mode (e.g. faster, greater tonnage, could go more places).
   b. Transportation problems during this era.
   c. Transportation solutions this mode offered.
   d. External circumstances facing transportation during this era (e.g. land grants, linked the nation).

V. Automobile Era
   a. Characteristics of the mode (e.g. move to personal transport, expensive).
   b. Transportation problems during this era.
   c. Transportation solutions this mode offered.
   d. External circumstances facing transportation during this era (e.g. national defense, federal bulldozer).

VI. Airline Era
   a. Characteristics of the mode (e.g. quasi-public, node-only infrastructure).
   b. Transportation problems during this era.
   c. Transportation solutions this mode offered.
   d. External circumstances facing transportation during this era (e.g. increased usage, safety).

Eras of Intra-urban Transport

VII. Walking/Horse Cart Era
    a. Urban form (monocentric).
    b. Beginning of segregation of social classes.
    c. Industry and residence co-location.
    d. Urban disamenities.

VIII. Streetcar Era
     a. First wave of urban flight by nouveau rich.
     b. Separation of land uses.
     c. Urban form (star shaped).
     d. Middle class flight to suburbs.
     e. Forms of streetcars (cable cars, electric street cars, els, subways).

IX. Automobile Era
    a. Urban form (polycentric).
    b. Edge cities.
    c. Decline of the core area.
    d. “White flight” from the cities.
X. Public Transit Eras
   a. Characteristics of each.
   b. Transportation problems during this era.
   c. Transportation solutions this mode offered.
   d. External circumstances facing transportation during this era (e.g. increased usage, safety).

XI. Urban Commuting Patterns
   a. Trip type.
   b. Trip times.
   c. Mode choice
   d. Destination (urban/suburbs)

Essay questions will focus on two of the following areas:

1. Federal highway system, how it was started and its impacts.
2. East coast city competition: what it was, how it influenced transportation, who won and how.
3. Modern US city morphology relative to transportation.
4. Canals versus railroads. How/why did railroads beat out canals?

Please make sure that you have done all of the readings, as much information on the test will come from or be supplemented by them