

used by H.S. Fairbank in talk to Turkish engineers
11/5/52

Highway Planning - What is it?

Not survey and design of
individual road sections

Not simply the setting of a goal
of productive accomplishment,
like 5-year plan.

Not even merely the formulation
of a master or general
plan of a system of highways

Certainly not planning surveys

Really, in its broadest sense Highway
Transportation Planning

Proceeds from a concept of
roads as the means to an
end - not ends in themselves.

As means that should be most
appropriately adjusted to
the ends to be served - the ends
of a more efficient highway
transportation

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And it consists in the devising of the various courses of action to bring about such an adjustment.

Courses of action certainly not within the field of engineering exclusively

But involving also action and decision on matters of administration, financing, taxation, and regulation of traffic.

All of which must proceed from certain basic decisions of a fundamentally economic character.

Purpose is to determine

1. What roads are needed and how grouped by function into various systems - primary, secondary, etc

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2. How and by whom the various systems are to be administered
3. Who should pay, who should be taxed
4. How financed.
5. For what usage - volume and weight the roads should be designed for
6. How they should be designed for such usage.
7. How their use should be regulated.

All these decisions and courses of action combined to assure a continuance of policy which will result in the building of the right roads to the right standards by the right agencies for the right ~~usage~~ ^{usage} with revenues rightly or equitably derived

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from the right or most appropriate sources, rightly or most appropriately expended, And to maintain or perpetuate the roads built in usage by a rightly controlled traffic.

Illustrate -

Right roads - not all existing -
↳ abandonment.

Right standards, examples of roads over and under designed.

Right agencies - Arkansas experience

Right revenue sources - land, etc vs. traffic

Right expenditure - Current vs. bonds - toll road example

Right usage - rail vs. highway economic size and weight of vehicles - Needs to anticipate and to control

Function of highway planning
surveys.

Situation when inaugurated.

Content -

Inventory

Extent, location, state of
roads

Traffic, volume, weight,
composition, and changes,
behavior in relation to
road design.

Fitness - present state and
future needs

Facts and answers

Associated Research

See other

Motor vehicle use studies
beneficiaries, trip length,
Traffic capacity studies
and behavior studies

Road tests - objectives (Load, condition,
Economic (taxation))

Design

Regulatory.

Road life studies - actuarial.

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Applications
In Planning

Needs Studies

Financial studies

Legal studies -

Study of transportation policy

In Programming

Sufficiency Ratings