

Notes used by H. S. Fairbank in talk at the Junior Engineers
Instruction Course. BPR Feb. 17, 1953.

Research Division

Inheritor of most of the functions of
the parent or original Bureau

Investigation - dissemination of
information

Several research branches now -
in early days mostly physical
now largely concerned with
traffic, economics + finance -
vehicle operation

Incidentally, the largest of the headquarters
divisions - about $\frac{1}{2}$ of Washington personnel

Physical Research - largest of the branches
Accomplishments - sails engineering
pioneer.

Impact - tires

Stresses

Materials

Highway Transport Research

Traffic volumes

Traffic behavior

Capacity

Road inventory

Transportation

Vehicle performance

Financial & Administrative Research

- Laws - ROW, Access Land
- Taxation
- Finance - bonds
- Admin. & Organ
- Road Life
- Production Cost Studies

Hydraulic Research

- Hydrology
- Hydraulics - Run off
- Flow - gutters, culverts
- Waterway area of bridges
- Scour - bridge piers

Research Reports

- Public Roads
- Other publications
- Statistics
- Motion Pictures
- Exhibits

Library

- Planning Surveys
- Direct & cooperative research.