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TITLE: Projected Motor Vehicle and Trailer Registration by County, 1967-1980

DATE: April 1968

AUTHOR(S): Peck, van Oldenbeck, Marsh, McBride, Harrington, Harano, & Wademan

REPORT NUMBER: 27

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FUNDING SOURCE: Departmental Budget

PROTECT OBTECTIVE:

To prepare a set of estimated vehicle registrations to 1980, by county, for each of the four classes of vehicles --passenger vehicles, commercial vehicles, motorcycles, and trailers.

SUMMARY:

The ownership of motor vehicles in California has long been used by economists, bankers, planners, and administrators at all levels of government and the private sector as an important measure of the State's economy. Members of these professions have continued to seek long-range estimates of vehicle registration data in order to forecast future growth and development of the State and to plan necessary facilities for this expected growth.

This is the first set of estimates released by the department. It is anticipated that these registration estimates will need revision at least every two years and perhaps more frequently should drastic changes occur in the base estimators.

A multiple linear regression model was employed as the statistical tool to the development of the estimates. Separate equations were developed for each vehicle type (passenger vehicles, commercial vehicles, trailers and motorcycles) for each of the 58 counties of California. The predictor variables used were total population and year. The county population estimates were provided by the department of Finance and reflect the statewide totals.

SUPPLEMENTARY INFORMATION:

See report #31, *Projected Motor Vehicle Registration and Drivers Licenses Outstanding, 1970-85*, Research Staff, March 1970, for an update to this report.