## REPORT OF SUB-COMMITTEE

ON
HIGHWAY TYPES AIJD ROADSIDE ARBAS*
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About 50,000 typical crossmsections of highway projects submitted since 1930 by the several State highway departments to the U. S. Burcau of Public Roads wero oxamined. Taking a $3 \frac{1}{2}$ to 4 per cent sample of these for study and analysis, 2,000 representative desigms
 types of highway mileage in the United States, 1,300 primary $2-1 a n e$ rural highways in this group of 2,000 cross-sections were considered for the initial study.

Figures in the summary table on the next page showing tronds in construction on roads under State control are based on the relative dominances of the item in use in each State and then summarized according to the relative number of States utilizing similar practice. The figures have no reference to mileage constructed.

The findings definitely indicate a progressive widening of roadbed surfaces and shoulders, the flattening of crown and of slopes of shoulders and gutters, 3 s well as the flattening and rounding of cut and fill slopes and increasing right-of-way widths.

These trends are indicative of the growing emphasis now placed on principles of landscape architecture in the developmert of America's highways.

[^0]SUMMATX TABULATION SHOTING THMNS IN CONSTIUCTION ON PRIMARY TWO-I,ANE HIGUTAYS UNDEE STATE CONTITOL


Notes: Iigures grouped in vertical colums with parentheses at right represent the relative use of each in order; for instance, in Table $I$, 281 was the most used width of graded road-
bed, 2 was second and 24 was the third most used width in low type construction during the 1922 period Similarly, in Table IT, 9 , lanes whe most used, give lanes wore second, and Stanes were third in use, based on the number of typical cross-sections submitted by the States to the Bureau of Fublic Roads, as explained in detail in the report. The figures underlined thus 27.0 , represent avereges of all sections used for the respective period
shown. The indicated trends for $190^{0}$ and 1940 are enclosed in parentheses thus, (32), for


[^0]:    *Also see "Design of the Highway Cross-Section" by W. H. Simonson, Proceedings, Highway Research Board, Vol. 17, 1938.

