

Design Standards Letter

Letter Number: **D-1960-28**

Letter Date: **10/20/1960**

Effective Date: **10/20/1960**

Section/Plan No.: **None**

Subject: **Roadway Typical Sections**

Body

TO ALL DIVISION, DISTRICT AND URBAN ENGINEERS:

A copy of each of the following Standard Drawings is attached hereto:

Standard

No. Description

21.10 Typical Sections - Grading and Paving (Single)

21.30 Typical Sections - Grading and Paving (Divided-40' Median)

21.31 Typical Sections - Grading and Paving (Divided-60' Median)

21.40 Typical Sections - for Undergrading and Excavation Pay Limits

These sections are to be used for projects constructed under the 1961 Standard Specifications. However, since they are essentially basic sections only, it will be necessary for the District to select an applicable section for a particular project and complete it by adding surfacing, bases, shoulders, crown, etc., including all dimensions and slopes needed to show a finished section. This office will furnish upon request, reproducible prints of standard drawings 21.10, 21.30, and 21.31 for the District's use in completing the typical sections required.

Attention is directed to the fact that Standard Drawings 21.30 and 21.31 apply to both the Interstate and Primary Systems. Drawing 21.31 is normally used for rural areas except when limited right of way or other special conditions dictate the use of a 40 foot median. Separate typical sections are no longer required for divided highways on the two systems since the shoulder width on the median side is the same (4 feet) for both, in lieu of the former 8 foot width for primary and 4 foot width for Interstate projects. The requirement on 12 foot width of outer shoulders for both systems is covered by a note on the standard drawings.

Any other details such as pavement reinforcement, widening, etc., that are considered essential should be added as necessary.

It should be noted that the typical sections for undergrading and excavation pay limits are shown on a separate drawing (21.40) instead of on the grading sections as formerly.

The reference to Standard Drawings 21.20 and 21.21 should be deleted from the "List of Standard Drawings" previously furnished the Districts since these standards will not be used. A corrected list will be furnished as soon as possible.

If any points are not clear or if any discrepancies are noted, please advise.

**C. C. Tevis
Engineer of Surveys and Plans**