

## **SECTION 2C – 6 - DEPICTING TENTATIVE DESIGN ON PLANS**

### **PREDETERMINED DESIGN**

On projects on which a location public hearing has been held, preliminary design is to be shown on the plans along with any necessary adjustments needed to conform to the current Road and Bridge Standards or necessary development. Items in Sections [2B-1-GROUND SURVEYS](#) and [2B-2-COORDINATION WITH OTHER DIVISIONS AND AGENCIES](#) should be reviewed and updated if necessary.

### **INITIAL DESIGN**

Projects without prior horizontal and vertical design are to be studied in accordance with instructions in Sections [2A-6-STUDY OF ALL ALTERNATES](#), [2B-1-GROUND SURVEYS](#) and [2B-2-COORDINATION WITH OTHER DIVISIONS AND AGENCIES](#). The substitution of "plan of development" for the word "corridor" will render these sections applicable for this phase of the project.

### **FRONTAGE ROAD (SERVICE ROAD)**

On surveys where limited access is proposed or anticipated, properties that will be landlocked due to the control of access are to be noted on the survey roll, on the data collector, or in the data file. A comprehensive study is required to determine if it is in the public interest to construct a frontage road, having determined the estimated construction cost, which is to include any additional right of way and anticipated maintenance cost. This cost is then to be compared with the estimated damages that would be paid if access were not provided to the landlocked property to determine justification.

On the Interstate system, where service roads are parallel to, or visible from the roadway, the Interstate slope design is to be used, except where the cost would be excessive or where it would not be practical, such as in mountainous terrain.

After preliminary scheme(s) and grades have been developed, the designer will make plans available in ProjectWise\*. The Transportation and Mobility Planning Division will be requested to obtain the design year traffic volumes, the Materials Engineer will be requested to provide preliminary pavement design, and the Right of Way Engineer will be requested to provide the Frontage Road Study Form CE7 (if applicable).

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\* Rev. 7/18