

SIDEWALK

Sidewalk is to be provided as specified in the Scoping Report, for replacement in kind, or as shown on the approved preliminary plans.

Proposed sidewalk is depicted with solid lines. For CADD plans, however, proper labeling and line weights will depict. Please review [IIM-LD-55](#).

SIGN ISLANDS

Standard Sign Islands are not to be shown on plans prior to field inspection. For details on the design of Sign Islands see AASHTO, "Green Book", Chapter 9. They will be shown on completed plans only where recommended by the responsible District Traffic Engineer* and in accordance with the standard. Sign islands for Secondary projects are to be shown only where recommended by the District Construction Engineer.

RAILWAYS: ADJACENT HIGHWAY DESIGN CONSIDERATIONS

Design of Roadways in the Vicinity of Railways

The design of roadways in the vicinity of railways deserves special attention. Avoid designs where traffic signals, road intersections, road grades, and etc. could trap vehicles on the tracks. Design alternatives must be considered which avoid a highway-rail crossing relatively close to an adjacent highway, running parallel to the railway track. Inadequate stacking or storage of stopped vehicles, at an adjacent road intersection, may trap vehicles on the tracks. This topic should be discussed with the Traffic Engineer, who should communicate and coordinate with the railway authority for an acceptable design. They may consider an electrical circuit between the grade crossing warning system and the highway traffic signals which allows the normal sequence of highway signals to be preempted to avoid trapping vehicles on the tracks. The Federal Highway Administration [Manual on Uniform Traffic Control Devices](#) (MUTCD) addresses the topic of traffic signals at or near grade crossings. Also, avoid highway-rail crossing at which there is an abrupt change in the level of the road's surface as it crosses the tracks.

Highway Construction Adjacent To Railway Tracks

Design details are to be included in the project plans when construction adjacent to a railway track requires temporary sheeting or a bulkhead to protect the tracks. Chapter 15 (DDM-4) of [VDOT Drainage Manual](#) for the minimum railway roadway section that must be retained (not undercut) for construction adjacent to the track and also denotes the limits where sheeting is required when excavation is involved. Actual requirements may vary slightly and the railway will determine specific submittal requirements.

* Rev. 1/17