

Design Standards Letter

Letter Number: **G-1989-08**

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Section/Plan No.: **None**

Subject: **Edge Drop-Off Policy Through Construction Work Zones**

Body

The attached procedures are to be followed on all future traffic control plans. This policy, in conjunction with the standard specification restrictions on the length of time a drop-off condition may exist, should serve to minimize accidents due to edge drop-off condition adjacent to through lanes in construction work zones.

Each drop-off situation should be analyzed thoroughly, taking into account cross sectional features, traffic volume and mix, speed, and feasibility of treatment options.

When edge drop-off treatment is required, the traffic control plan shall specify the type treatments which will be required in compliance with the attached instructions.

When slope flattening is selected the thickness, type of material to be used and slope requirements shall be set out. In general, a material meeting the approval of the engineer similar to Type 1, 2 or 3 aggregate base (Specification Sec. 1007) should be used. However, in certain cases a commercial mixture of plant mix bituminous pavement may be desirable.

Where it is necessary to use temporary concrete barriers, the standard specifications and procedures will apply. However, placement and disposal instructions for the barrier must be included in the traffic control plan.

A pay item will be established for edge drop-off treatment and payment will include all materials and labor necessary for placement, replacement, and removal of the treatment. The pay item for edge drop-off treatment will be 616-10.80 Edge Drop-Off Treatment-Lin. Ft.

Please implement this procedure for all projects in such stage of design as

to allow practical revision.

EDGE DROP-OFF TREATMENT

1.0 Description

This work shall consist of furnishing and placing temporary concrete traffic barriers or slope flattening if required by the traffic control plan for the project.

2.0 Materials

2.1 - Temporary concrete traffic barriers shall comply with Specification Sec 617. The type of barrier will be shown on the plans.

2.2 - Aggregate for slope flattening shall consist of material meeting the approval of the engineer similar to Type 1, 2 or 3 aggregate for base as specified in Specification Sec 1007. Acceptance of the material will be based on visual examination.

2.3 - Plant mix bituminous pavement shall comply with the requirements of Specification Sec 401.3.8 Commercial Mixture.

3.0 Construction Procedures

3.1 - Temporary concrete traffic barriers shall be placed in accordance with the lines, dimensions and typical sections shown on the plans.

3.2 - Aggregate or plant mix bituminous pavement shall be placed in conformity with the lines, grades, thickness and typical cross sections shown on the plans or as directed by the engineer and shall be compacted until there is no visible evidence of further compaction by the use of a roller, mechanical tamper, or other method approved by the engineer. Aggregate material may require the addition of water in order to attain sufficient compaction.

3.3 - Any material not finally incorporated in the project shall be disposed of as directed by the engineer or shown on the plans.

4.0 Method of Measurement

4.1 - Measurement of edge drop-off treatment will be made to the nearest linear foot measured along the centerline of the pavement.

4.2 - Final measurement will be based on contract quantity and a revision or

correction not be made except for authorized changes during construction or where appreciable errors are found in the contract quantity. The revision or correction will be computed and added to or deducted from the contract quantity.

5.0 Basis of Payment

The contractor shall be responsible for the maintenance of the treatment until it is no longer needed. Payment will include all materials and labor necessary for placement, maintenance, replacement if necessary, and removal of the treatment when no longer needed. The accepted quantity of edge drop-off treatment will be paid for at the contract unit price.