

VIRGINIA DEPARTMENT OF TRANSPORTATION

LOCATION AND DESIGN DIVISION

INSTRUCTIONAL AND INFORMATIONAL MEMORANDUM

GENERAL SUBJECT: ENTRANCE GUIDELINES	NUMBER: IIM-LD-208.3
SPECIFIC SUBJECT: ENTRANCES WITH CURB OR COMBINATION CURB & GUTTER	DATE: DECEMBER 1, 2005
	SUPERSEDES IIM-LD-208.2
DIVISION ADMINISTRATOR APPROVAL: Mohammad Mirshahi, P.E, State L&D Engineer Approved: December 1, 2005	

Changes are shaded.

CURRENT REVISION

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- Updated for current Division Administrator Approval.
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EFFECTIVE DATE

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- These revisions are effective on all projects scheduled for the August 1996 advertisement and all subsequent advertisements.
 - Designers should note that projects scheduled for advertisement prior to August 1996 should use the current versions of the insertable sheets.
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GUIDELINES

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- ALL proposed entrances to be constructed with VDOT projects will be designed in accordance with the current Minimum Standards of Entrances to State Highways or as amended by this memorandum.
 - Additional guidance may be obtained in the Land Development Document, Volume II – “Traffic Engineering Consideration”.

- The Standard CG-9D entrance gutter is to be used for most single-family residential entrances with curb or combination curb and gutter.
- The Standard CG-9A, and 9B entrance gutters should be considered only as a last resort in situations where the access into a property is too narrow to accommodate a Standard CG-9D or if it is known that the lane adjacent to the curb will be used as a parking lane AT ALL TIMES.
- If "accessible routes" (See IIM LD-55) are being provided for pedestrians, the Standard CG-9B and Standard CG-9D entrances must be modified to provide a minimum 900 mm (3') traversable width (as indicated on the insertable sheets.)
- Additional right of way is NOT required for entrance construction except in cases where the limits of the "accessible route" extend beyond existing or proposed VDOT right of way.
- For situations where the difference in elevation between pavement and adjacent property is such that a desirable entrance grade cannot be provided, it is recommended that Standard CG-11 be used with the grade beginning at the flow line. Care shall be exercised to provide adequate drainage.
- The Standard CG-11 entrance design is the required method of treatment for ALL entrances with curb and gutter except for single-family residential entrances. Exceptions to this requirement must be approved by the appropriate Assistant Location and Design Division Administrator or District Location and Design Engineer.
- In those rare instances when the Assistant Location and Design Division Administrator or District Location and Design Engineer has given approval to use the Standard CG-9D entrance design for a commercial entrance, use Standard CG-13 if heavy truck traffic is anticipated.
- The minimum entrance radii outlined in the current Minimum Standards of Entrances to State Highways should be adhered to in the design of ALL entrances. For commercial entrances where a high percentage of trucks is anticipated, consideration should be given to increasing the entrance radii to accommodate the turning requirements of those vehicles.
- If the Standard CG-11 entrance design is used and there is insufficient right of way to construct the full curb return using the minimum entrance radii outlined as stated above, a partial curb return should be constructed to the right of way line. Radial curb or combination curb and gutter shall not be constructed beyond the right of way line except for replacement purposes.

PAY ITEMS

ITEM	UNIT	ITEM CODE NO
Hydraulic Cement Concrete Sidewalk 175 mm (7")	m ² (S.Y.)	13222

INSERTABLE SHEETS

Current insertable sheets are available on Falcon DMS, under the PPMS# eng-ser/Division/minsert or insert, for insertion into applicable plan assemblies.

- CG-9A, Standard Entrance Gutter With Flared Opening for Use Across Sidewalk ([MA-76](#))
- CG-9D, Standard Entrance Gutter ([MA-78](#))
- CG-11, Method of Treatment-Connection for Street Intersections and Commercial Entrances ([MA-77](#))
- CG-12A, 12B and 12C, Curb Ramp (Access for Mobility Impairments) ([A-59](#) and [MA-59](#))

Standard CG-9A, CG-9B, CG-9D, CG-11, CG-12 and CG-13 in the 2001 (Imperial) Road and Bridge Standards and Standard CG-9B and CG-13 in the 1996 (Metric) Road and Bridge Standards.