

## **SECTION 2E - 3 - DETAILED PLAN DESIGN**

### **CURB AND GUTTER** (Also see "Mountable Curb and Curb and Gutter")

Curb and gutter on Urban projects will be specified on [PM-100 \(LD-430\)\\*](#) (Initial Field Review and Scoping Report). This is the Location and Design Division's authorization to incorporate curb and gutter in the plans. On other projects, curb and gutter will generally be specified only as replacement in kind or as determined at the [Preliminary Plan Review](#).

When using an urban roadway typical section which includes curb and gutter and sidewalk, several design elements should be addressed. Following is a list of the most important items:

1. Will the utility poles be placed back of the sidewalk? While there is a safety advantage to placing poles back of the sidewalk, care must be taken to accommodate the pole cross arm with additional right-of-way and to be sure that local building codes are not violated by placing poles too close to existing buildings.
2. Proposed storm drainage should generally be accommodated under the proposed roadway. The preference of the municipality involved should be considered in this regard.
3. In some instances, retaining walls placed back of the sidewalk can also be in conflict with proposed drainage pipe and/or utilities.
4. The location of traffic signal poles and the need for additional right of way to accommodate them is to be considered.
5. The location of Curb Ramps is of prime consideration (See [IIM LD-55](#)).
6. The accommodation of rural type mailboxes must be considered on some projects.
7. The location of guardrail and the need for additional right of way to accommodate the guardrail is to be considered. Fills may need to be widened if guardrail is required. ([See Appendix A](#))

St'd. CG-6 Curb and Gutter is to be specified unless design speeds require St'd. CG-7 (mountable curb) or a municipality specifically requests their own design and if so, the request is to be forwarded by Local Assistance Division to the State L&D Engineer for review and approval. In this case, details are to be shown on the typical sections and basis of payment to be municipality's standard (example: Norfolk St'd. Curb and Gutter).

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\* Rev. 1/09