

CONCRETE REPAIR METHODS

1. CONCRETE CURBS AND WALKS WHICH ARE DEFECTIVE FROM CRACKING, DISPLACEMENT, SPALLING, OR EXCESSIVE SURFACE CHECKING SHALL BE REPAIRED BY REMOVING AND REPLACING THE DEFECTIVE PORTIONS.
2. SURFACE CHIPS IN CURBS MAY BE REPAIRED BY AN EPOXY METHOD WHICH RESULTS IN A HARD SURFACED, NEAT PERMANENT REPAIR. SURFACE TEXTURE AND COLOR MUST MATCH ADJACENT CONCRETE. EPOXY ADHESIVE SHALL BE AN APPROVED TWO-PART EPOXY BONDING COMPOUND. SURFACES SHALL BE THOROUGHLY CLEANED PRIOR TO APPLICATION OF EPOXY. MORTAR SHALL HAVE CURING COMPOUND APPLIED. SURFACE PATCHING OF SIDEWALK WILL NOT BE ALLOWED.
3. WHEN DEFECTIVE PORTIONS OF CURBS OR WALKS ARE REMOVED, THEY SHALL BE REMOVED IN SEGMENTS BETWEEN SCORE MARKS AND/OR DEEP JOINTS. REPLACEMENT CONCRETE SHALL BE FORMED AND FINISHED TO THE SAME STANDARDS REQUIRED FOR NEW WORK. THE EDGE OF EXISTING ASPHALT PAVING WILL NOT BE USED AS A CURB FORM UNLESS APPROVED BY THE ENGINEER. WHEN CONCRETE BEING REPLACED IS NOT POURED MONOLITHIC, #3 REBAR 12" LONG SHALL BE PLACED AT 2'-0" ON CENTER A MINIMUM OF 3" INTO EXISTING CONCRETE. EPOXY GROUT IF DRILLED.
4. THE DEFECTIVE PORTIONS OF DRIVEWAY APPROACHES SHALL BE REMOVED BY SAWING OUT ALONG SCORES OR JOINTS AND REPLACING.
5. CRACKING OF CURBS, WALKS AND DRIVEWAY APRONS WILL REQUIRE REMOVAL AND REPLACEMENT WHEN THE FOLLOWING SITUATIONS OCCUR:
 - A. WHEN AN INDIVIDUAL CRACK IS 3/32" WIDE OR WIDER (THE APPROXIMATE WIDTH OF A NEW 5 CENT PIECE);
 - B. WHEN TWO OR MORE CRACKS OF ANY WIDTH OCCUR BETWEEN SCORES AND/OR EXPANSION JOINTS.
 - C. WHEN THREE OR MORE CHIPS OCCUR IN AN 8' LENGTH OF CURB.
 - D. ANY CHIP IN SIDEWALK.
6. USE #3 REBAR, 12" LONG, TO DOWEL NEW CONCRETE TO EXISTING CONCRETE.
7. DO NOT DOWEL PRIVATE IMPROVEMENTS TO PUBLIC IMPROVEMENTS.
8. WHEN REPLACING CURB AND GUTTER, A 12" WIDE, 6" MIN. THICK A.C. DEEP LIFT PATCH (OR MATCH EXISTING AC, WHICHEVER IS GREATER) IS REQUIRED.

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE

**TOWN OF COLLIERVILLE
CONCRETE REPAIR
METHODS**

TOC-517