**Dowel Bar Retrofit**

**PLAN VIEW**

1. Extend concrete patch material 1/8" above existing concrete surface for projects to be diamond ground; construct flush if diamond grinding is not required.

2. Sawcut joint width 3/16" min to 5/16" max. Saw after concrete patch material has set.

**SECTION A-A**

- Center of saw
- Radius varies depending on saw blade diameter
- 3/8" Foam Core Board for dowel bar
- 1 1/2" diameter hole
- 1 1/2" deep saw cut
- 1/2" min. Cap (Both Ends)
- Dowel Bar Expansion Chair
- 1/2 of concrete pavement depth
- Mid-depth of slab
- Construct bottom of slot parallel to pavement surface

**SECTION B-B**

- 1/2 of concrete pavement depth
- Place chair parallel to surface
- Transverse Contraction Joint or Crack

**Material**

- Concrete Patch
- Dowel Bar

- Existing Concrete Pavement

**Dimensions**

- 1/4" (typ.)
- 1 1/2"
- 7 1/2"
- 2 1/2"
- 1/2" min.
- 1" min.
- 3/4" min.
- 4 1/2" min.
- 2 1/2"