NYLON OR PLASTIC MATERIAL 1/16" MIN. THICKNESS

RETENTION DISK

Dowel Diameter

1"

0.02" 

L/2

L/2

T = Pavement Thickness

BONDING MATERIAL

EXISTING SLAB

HOLE DIAMETER

SEE NOTE 5

REPAIR AREA

SUBBASE

SUBGRADE

TYPICAL ELEVATION VIEW

NOTES

1. Cost of the dowel, drilled holes, retention disk, bonding material, all equipment, tools, and labor shall be incidental to the respective Type 1 or 2 repair pay item in the invitation for bids.

2. Bonding material per 902.11. See note 5.

3. See Standard MD 572.21 for length.

4. All dowels and chairs shall be epoxy coated.

5. If nonshrink grout will be used, diameter shall be 0.2" to 0.25" larger than load transfer devices. If a different material will be used, diameter shall be in accordance with manufacturer's recommendations and approved by the engineer.

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

Dowel Anchorage for Type 1 and Type 2 Pavement Repairs

STANDARD NO. MD 577.08