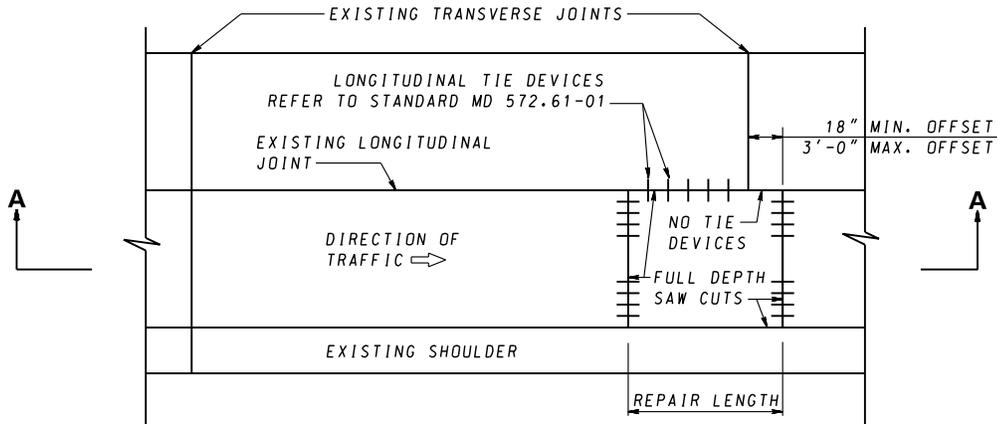
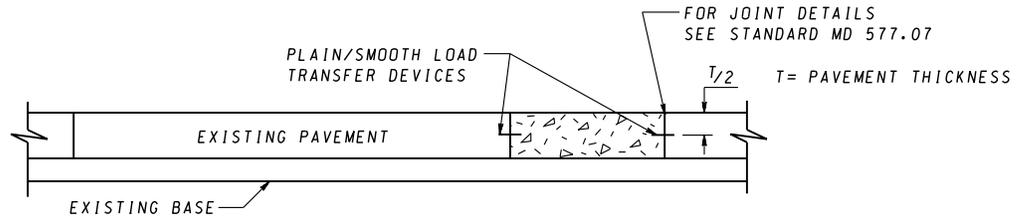


**METHOD 'B'**

REPAIRS PERFORMED AT AN EXISTING TRANSVERSE JOINT WHEN THE REPAIR EXCEEDS 3 FT. ON ONLY ONE SIDE OF THE JOINT. (NOTE THAT THE 3 FT. OFFSET IS TO ALLOW FOR THE REMOVAL AND REPLACEMENT OF DOWELS.)



**PLAN**



**SECTION A-A**

**REPAIR GUIDELINES**

1. TYPE 1 REPAIRS ARE 6 FT TO LESS THAN 15 FT IN LENGTH AND DO NOT REQUIRE REINFORCEMENT. TYPE 2 REPAIRS ARE 15 FT. AND GREATER IN LENGTH AND DO NOT REQUIRE REINFORCEMENT. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 15 FEET AND THERE SHALL BE NO MID-SLAB REINFORCEMENT.
2. REPAIR SLABS AND REMAINS OF EXISTING SLABS SHALL NOT BE LESS THAN 6 FT. IN LENGTH.
3. EXISTING DOWELS AND ASSEMBLIES SHALL BE COMPLETELY REMOVED WHEN A REPAIR IS PERFORMED AT A TRANSVERSE JOINT.

**NOTES**

1. REPAIRS SHALL BE MADE IN ACCORDANCE WITH SECTION 522 OF THE SPECIFICATIONS.
2. REPAIRS SHALL BE MADE USING CONCRETE MEETING THE REQUIREMENTS OF 522.02 OF THE SPECIFICATIONS.
3. WHEN THE SUBBASE MATERIAL IS DETERMINED TO BE UNSUITABLE BY THE ENGINEER, COMPACT THE MATERIAL WITH A VIBRATORY COMPACTOR OR REMOVE THE UNSUITABLE MATERIAL AND REFILL WITH COMPACTED GRADED AGGREGATE BASE IN LIFTS NO GREATER THAN 4 INCHES IN DEPTH, AS DIRECTED BY THE ENGINEER.
4. HOLES FOR THE DOWELS AND LOAD TRANSFER TIE DEVICES SHALL BE DRILLED SIMULTANEOUSLY TO THE REQUIRED DEPTH USING FRAME MOUNTED DRILLS WHICH WILL MAINTAIN THE DRILLS IN A LONGITUDINALLY PARALLEL POSITION.
5. JOINTS SHALL BE MADE IN ACCORDANCE WITH SECTION 520 OF THE SPECIFICATIONS AND STANDARD MD 577.07.
6. ALL LOAD TRANSFER DOWELS SHALL BE EPOXY COATED.
7. SEE STANDARD MD 577.01 FOR PAVEMENT REPAIR SAW CUTS FOR LIFT OUT METHOD.
8. LOAD TRANSFER DEVICES: PLAIN DOWELS 18" LONG AND 12" C/C LOCATED IN EACH WHEEL PATH. WHEEL PATH IS DEFINED AS A DISTANCE OF 16" TO 56" (WIDTH OF 40") FROM THE LEFT OR RIGHT OF THE CENTERLINE OF THE ROADWAY TRAVEL LANE. REFER TO STANDARD MD 572.21.

SPECIFICATION <b>522</b>	CATEGORY CODE ITEMS
APPROVED	<i>[Signature]</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT
	APPROVAL • SHA REVISIONS
	APPROVAL 3-6-86
	REVISED 2-25-16
	REVISED

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**METHOD 'B' JOINTED**  
**PORTLAND CEMENT CONCRETE**  
**PAVEMENT TYPE 1 AND TYPE 2 REPAIRS**  
**STANDARD NO. MD 577.03**