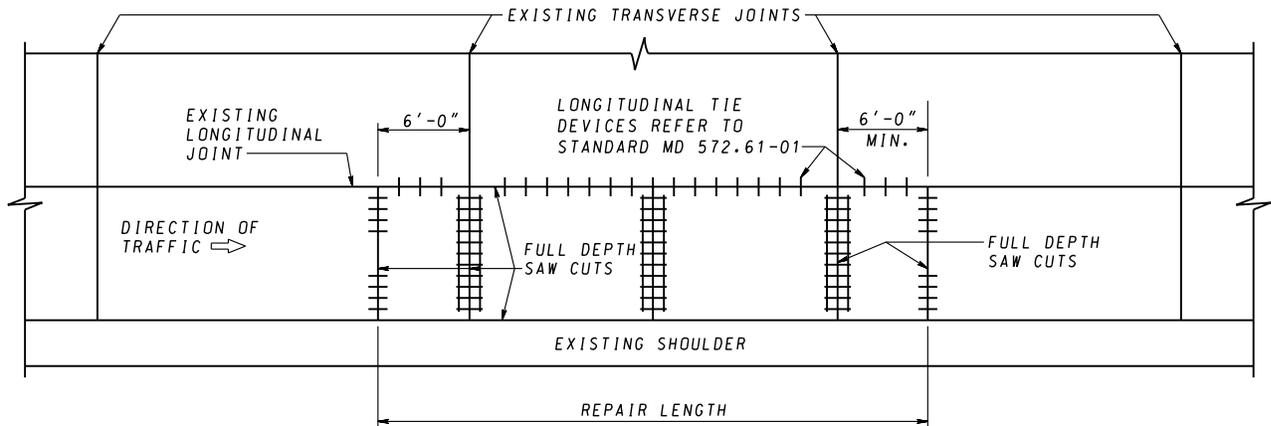
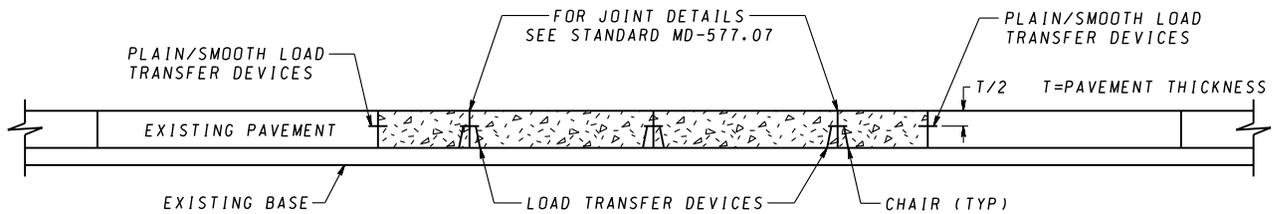


METHOD 'D'

REPAIRS PERFORMED TO COMPLETELY REPLACE SLABS BETWEEN TWO TRANSVERSE JOINTS.



PLAN



SECTION A-A

REPAIR GUIDELINES

1. TYPE 1 REPAIRS ARE 6 FT. TO LESS THAN 15 FT. IN LENGTH AND REQUIRE NO REINFORCEMENT. TYPE 2 REPAIRS ARE 15 FT. AND GREATER IN LENGTH AND REQUIRE NO REINFORCEMENT. MAXIMUM TRANSVERSE JOINT SPACING SHALL BE 15 FT. 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.
4. ALL REPAIRS OFFSET MORE THAN 3 FT. ON EITHER SIDE OF AN EXISTING TRANSVERSE JOINT SHALL BE EXTENDED TO A MINIMUM OF 6 FT AND DOWEL ASSEMBLIES SHALL BE PLACED ADJACENT TO THE EXISTING TRANSVERSE JOINTS AS SHOWN IN REPAIR METHOD "C" ON STANDARD MD 577.04.

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 THE 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 522	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 'D' PLAIN OR CONVENTIONALLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT TYPE 1 AND TYPE 2 REPAIRS

STANDARD NO. MD 577.05