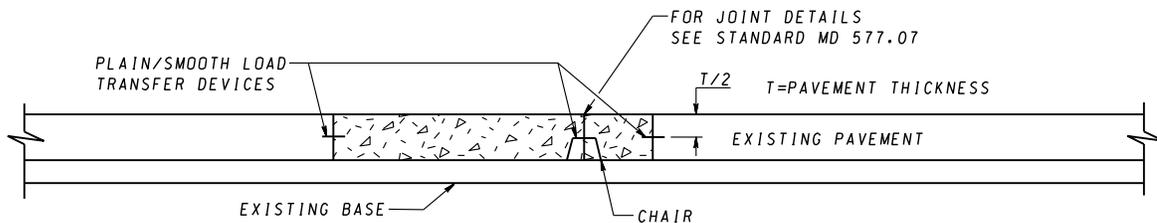


PLAN



SECTION A-A

REPAIR GUIDELINES

1. SAW CUT THE AREA TO BE PATCHED. IF THE EXISTING TRANSVERSE CRACKS ARE WITHIN 1 FT. OF THE PATCH AREA ON EITHER SIDE, THE PATCH LENGTH SHOULD BE EXTENDED TO COVER THE TRANSVERSE CRACKS ON EITHER SIDE OF THE PATCH. SQUARE-OFF FOUR SIDES OF THE PATCH WITH VERTICAL FACES. INSTALL LOAD TRANSFER BARS AND PLACE THE PCC PATCH MIXTURE AT THE SAME GRADE AS THE EXISTING CONCRETE PAVEMENT. OPEN THE LANE TO TRAFFIC AFTER PCC HAS CURED TO ACHIEVE OPENING STRENGTH OR AS APPROVED BY THE ENGINEER.
2. WHILE DRILLING DOWEL HOLES, IF TRANSVERSE STEEL IS ENCOUNTERED WITHIN 7", THE PATCH LENGTH SHOULD BE EXTENDED PAST THE TRANSVERSE STEEL WITH A NEW SAWCUT.

NOTES

1. REPAIR SHALL BE MADE IN ACCORDANCE WITH SECTION 522 OF THE SPECIFICATIONS AND APPLICABLE MD STANDARDS.
2. 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 BACKFILL WITH COMPACTED GRADED AGGREGATE BASE IN LIFTS NO GREATER THAN 4" DEPTH, AS DIRECTED BY THE ENGINEER.
3. FOR LOAD TRANSFER DEVICES, REFER TO MD STANDARDS 572.21, 572.61 AND 572.61-01. ALL LOAD TRANSFER DEVICES SHALL BE EPOXY COATED.
4. SEE STANDARD NO. MD 577.01 FOR PAVEMENT REPAIR SAW CUTS FOR LIFT OUT METHOD.
5. HOLES FOR THE LOAD TRANSFER DEVICES SHALL BE DRILLED TO THE REQUIRED DEPTH USING FRAME-MOUNTED GANG DRILLS WHICH WILL MAINTAIN THE DRILLS IN A LONGITUDINAL PARALLEL POSITION.
6. JOINT SPACING SHALL BE 15 FT. MAXIMUM. MINIMUM SPACING BETWEEN PATCHES SHALL BE 8 FT. MINIMUM PATCH LENGTH SHALL BE 6 FT. JOINTS SHALL BE MADE IN ACCORDANCE WITH SECTION 520 OF THE SPECIFICATIONS AND STANDARD MD 577.07.
7. 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 • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 2-25-16
	APPROVAL 2-23-16
REVISED	REVISED
REVISED	REVISED
REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
CONTINUOUSLY REINFORCED
PORTLAND CEMENT CONCRETE PAVEMENT
REPAIRS USING PLAIN CONCRETE PAVEMENT
STANDARD NO. MD 577.10-01