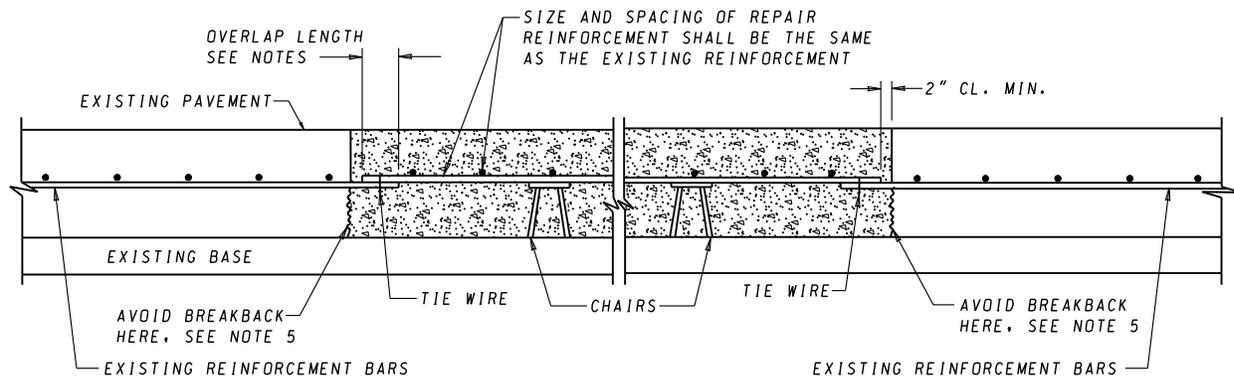


PLAN



ELEVATION

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. INSTALL REINFORCEMENT 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. EXISTING PAVEMENT SHALL BE REMOVED BY SAWING THE EXTERIOR TRANSVERSE PATCHING LIMITS TO A DEPTH OF 2" TO 3". CARE SHALL BE TAKEN TO AVOID SAW CUTTING THE EXISTING STEEL REINFORCEMENT. LONGITUDINAL LIMITS SHALL BE FULL-DEPTH SAW CUT.

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. ALL REINFORCEMENT BARS SHALL BE EPOXY COATED.
4. SEE STANDARD NO. MD 577.01 FOR PAVEMENT REPAIR SAW CUTS FOR LIFT OUT METHOD.
5. THE CONCRETE IN THE END SECTIONS SHALL BE REMOVED FULL-DEPTH BY METHODS THAT WILL NOT BEND NOR GOUGE THE REINFORCING STEEL NOR DAMAGE THE ADJACENT CONCRETE THAT IS TO REMAIN IN PLACE AS APPROVED BY THE ENGINEER.
6. REINFORCEMENT STEEL OVERLAP SHALL BE 18" MINIMUM FOR NO.5 STEEL BARS AND 22" MINIMUM FOR NO. 6 STEEL BARS.

SPECIFICATION 522	CATEGORY CODE ITEMS	<p>Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT REPAIRS USING CONTINUOUSLY REINFORCED CONCRETE PAVEMENT</p>	
APPROVED	 DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT		
	APPROVAL • SHA REVISIONS APPROVAL 1-10-90 REVISED 2-25-16		
	REVISED	REVISED	
	REVISED	REVISED	
	REVISED	REVISED	
STANDARD NO.		MD 577.10	