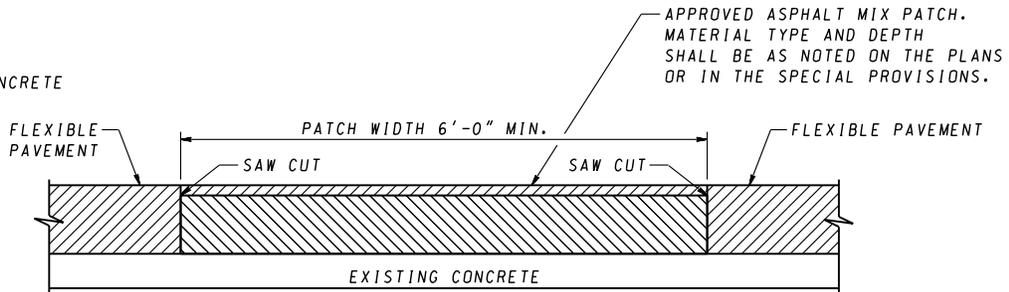
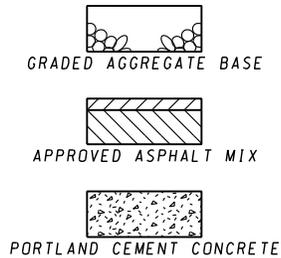


COMPOSITE PAVEMENT – FULL DEPTH PATCH



COMPOSITE PAVEMENT – PARTIAL DEPTH PATCH

REPAIR GUIDELINES

1. FULL-DEPTH COMPOSITE PATCHING MAY BE COMPLETED IN THE FOLLOWING ORDER:
 STEP I – SAW CUT THE AREAS TO BE PATCHED. IN ADDITION, A TWO-FOOT WIDTH OF EXISTING ASPHALT MIX ON EACH SIDE WILL NEED TO BE REMOVED TO ACCOMMODATE THE STEEL PLATE.
 STEP II – REMOVE THE EXISTING ASPHALT MIX AND PCC PAVEMENT. INSTALL TIE BARS AND DOWEL BARS AND PLACE PCC PATCH MIXTURE TO MATCH THE EXISTING PCC ELEVATION AFTER WHICH A STEEL PLATE MAY BE PLACED.
 STEP III – AFTER PCC HAS CURED TO OPENING STRENGTH, REMOVE STEEL PLATE, REMOVE THE ASPHALT USED TO SUPPORT THE STEEL PLATE AND PATCH WITH APPROVED ASPHALT MIX TO THE ELEVATION OF THE EXISTING ROADWAY, AS PER THE PARTIAL-DEPTH PATCH DETAIL.

NOTES

1. THIS STANDARD IS TO BE USED IN ACCORDANCE WITH SECTIONS 505 AND 522. THE ROADWAY SHALL BE PATCHED WITH THE SAME TYPE MATERIAL REMOVED UNLESS NOTED IN THE SPECIFICATIONS. PORTLAND CEMENT CONCRETE PAVEMENT REPAIR SHALL BE IN ACCORDANCE WITH STANDARDS 577.02, 577.03, 577.04, 577.05, 577.06, OR 577.10.
2. SQUARE-OFF FOUR SIDES OF THE PATCH WITH VERTICAL FACE.
3. EXISTING ASPHALT MIX OR OTHER SUPPORT MAY BE LEFT IN PLACE TO KEEP STEEL PLATE FLUSH WITH THE EXISTING ASPHALT MIX SURFACE.

SPECIFICATION 505	CATEGORY CODE ITEMS		
APPROVED	<i>[Signature]</i>	DIRECTOR – OFFICE OF HIGHWAY DEVELOPMENT	
SHA State Highway Administration	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	
	APPROVAL 2-25-16	APPROVAL 2-23-16	
	REVISED	REVISED	
	REVISED	REVISED	

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

**PERMANENT PATCHING FOR
COMPOSITE PAVEMENT**

STANDARD NO. MD 578.03-01