1. Install tie bars across longitudinal joints between new panels (complete and partial) and existing cement concrete pavement lane or shoulder when four or more adjacent panels are replaced. Place new tie bars between existing tie bars. Tie bars are not installed between cement concrete pavement and hot mix asphalt shoulders.

2. Place a bond-breaking material such as polyethylene film, roofing paper, or other material approved by the Engineer along all existing concrete surfaces and between the bottom of the slab and bases prior to placing concrete.

3. Place new dowel bars between existing dowel bars. The 1" - 0" dimension from the edge of the panel may be increased by 6" (in) to avoid bar in existing panel.

4. Bars shall meet the requirements of Standard Specification 1-07.5(1) or 1-07.5(2).
EXISTING TRANSVERSE JOINT

EXISTING LONGITUDINAL JOINT

SEE STD. PLAN A-40.10 FOR LONGITUDINAL JOINT DETAILS

EXISTING CEMENT CONCRETE PAVEMENT

PARTIAL PANEL REPLACEMENT

NEW DOWEL BARS 1'-0" ON CENTER

SAWED GROOVE (TYP.)

NEW TIE BAR - #5 x 30" (IN)

DRILL 7/8" (IN) MIN. TO 1 1/8" (IN) MAX. DIAM. X 15" (IN) LONG HOLE IN EXISTING CEMENT CONCRETE FOR NEW TIE BAR

SAWED GROOVE (TYP.)

EXISTING CEMENT CONCRETE PAVEMENT

SECTION B

PLAN VIEW

PARTIAL PANEL REPLACEMENT WITHOUT JOINT REPLACEMENT

PLAN VIEW

PARTIAL PANEL REPLACEMENT WITH JOINT REPLACEMENT

CEMENT CONCRETE
PAVEMENT
REHABILITATION
STANDARD PLAN A-60.10-03

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION