

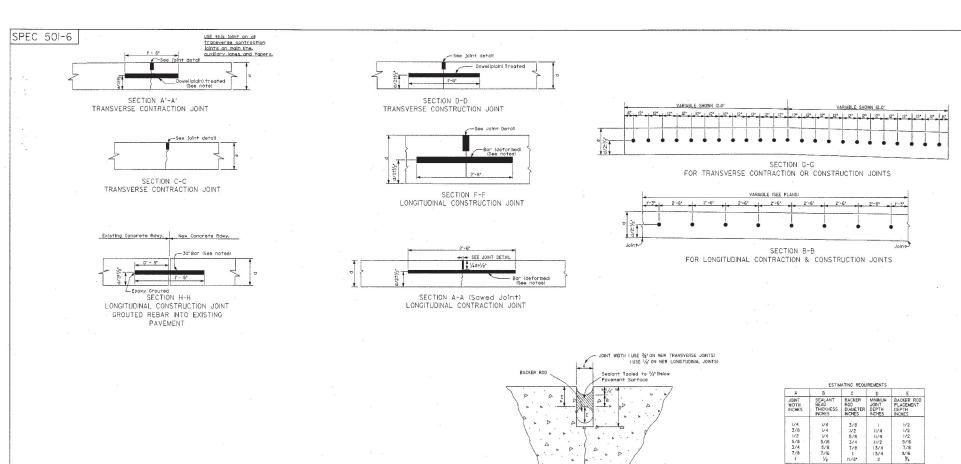
DETAIL OF CONSTRUCTION AND CONTRACTION JOINT DOWEL ASSEMBLY
FOR NEW PAVEMENT AND PATCHED

REVISIONS DESCRIPTION



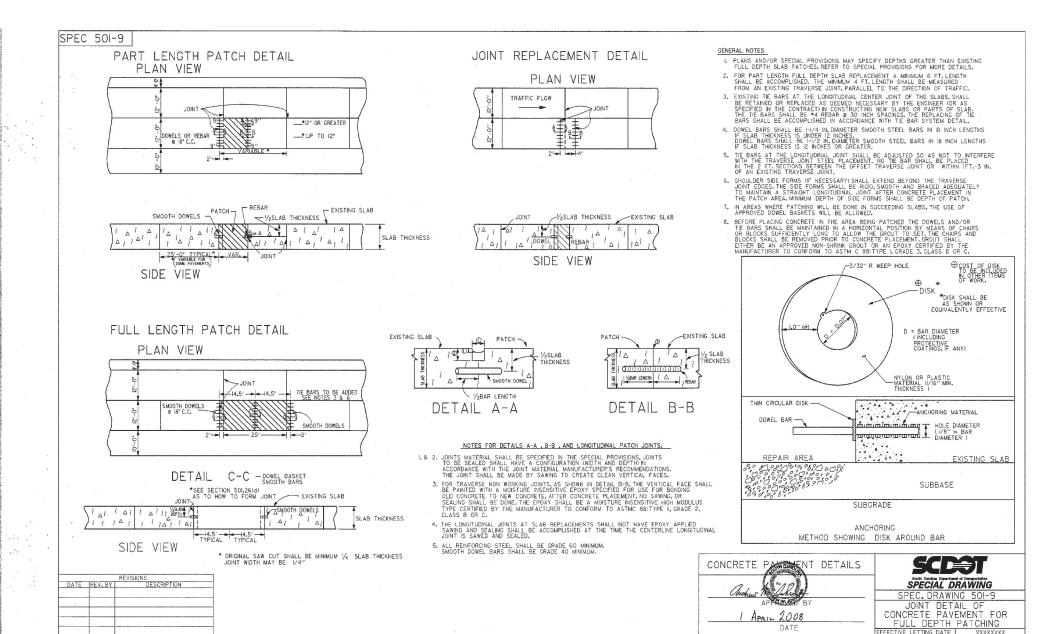


DETAIL OF CONSTRUCTION AND CONTRACTION JOINT DOWEL ASSEMBLY



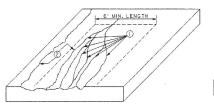
DETAIL OF TRANSVERSE CONSTRUCTION AND CONTRACTION JOINTS & LONGITUDINAL CONSTRUCTION JOINT (NEW PAVEMENT AND PATCHES)

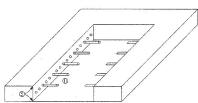
CONCRETE PANEMENT DETAILS REVISIONS DESCRIPTION STANDARD DRAWING SPEC. DRAWING 501-6 PORTLAND CEMENT CONCRETE PAVEMENT DETAIL OF JOINTS

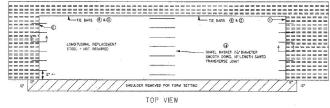


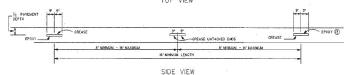
SPEC 501-7

FULL DEPTH PATCH FOR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRCP)









PATCH LENGTHS 16 FT. OR GREATER

DATE	REV. BY	DESCRIPTION
07-03-01	CIFS	ADDED APPROVAL BOX
08-07-01	W.J.Z.	TITLE REVISED

I, IDENTIFY BAD AREAS FOR REMOVAL FULL DEPTH PATCHES MUST BE EITHER ONE-HALF THE LANE WIDTH (6 FT) OR THE FULL LANE WIDTH (2 FT), PATCH LENGTHS SHALL BE SETWEN 6 FT. AND 12 FT. OR GREATER THAN 16 FT. (SEE DETAILS)

2. MARK AREAS FOR CONCRETE PAVEMENT REMOVAL (SPRAY PAINT OR OTHER, BOUNDARIES ARE TO BE GENERALLY PERPENDICULAR TO THE LONGITUDINAL JOHN, ESTABLISH BOUNDARIES IN GOOD CONCRETE AT LEAST IS NICHES AWAY FROM THE NEAREST CRACK IN GOOD CONCRETE.

3. SAW CUT FULL DEPTH THROUGH THE CONCRETE AND STEEL IMAY REQUIRE MORE THAN ONE SAW PASSA ALONG THE MARKED BOUNDARIES. FOR 6 FT, WIDE PATCHES, MAKE THE LONGITUDINAL SAW CUT HALFWAY BETWEEN THE EXISTING LONGITUDINAL STEEL

4. SHOULDER SIDE FORMS SHALL EXTEND BEYOND THE TRANSVERSE JUNTS. THE SIDE FORMS SHALL BE RIGO, SMOOTH AND BRACED ADEQUATELY TO MAINTAIN A STRAIGHT LONGITUDINAL JORNT AFTER CONCRETE PLACEMENT IN THE PATCH AREA, MANUAUM DEPTH OF SIDE FORMS SHALL BE THE DEPTH OF THE PATCH.

5. LONGITUDINAL REPLACEMENT STEEL IN THE PATCH WILL NOT BE REDLIRED.

6. THE BARS ARE TO BE ROUND DEFORMED STEEL (GRADE 60) #5 BARS, 20 BICHES IN LENGTH.

T. THE BARS WILL BE USED ALONG THE LONGITUDINAL FACE(S) OF THE PATCH WHEN THE LENGTH OF THE PATCH IS BO FT, OR GREATER, THE BARS WILL NOT BE USED WHEN THE PATCH LENGTH IS LESS THAN 16 FT. THE BARS WILL NOT BE USED TO THE A CONCRETE PATCH TO AN EXISTING SHOULDER.

8, TIE BARS IN THE LONGITUDINAL FACE OF THE PATCH SHALL BE AT 30-MICH SPACING, TIE BAR SPACING SHALL BE ADJUSTED SO AS NOT TO BE EMBEDDED INTO EXISTING CONCRETE AT AN EXISTING CRACK OR WITHIN 15 INCHES OF A TRANSVERSE JOHN.

9. THE CONTRACTOR SHALL SUBINIT AN EPOXY SYSTEM FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK, PORTION OF TIE BAR NOT EMBEDDED INTO CONCRETE SHALL BE CLEAN AND CAPABLE OF PROVIDING A GOOD BOND WITH THE CONCRETE IN THE PATCAL

10. DOWEL BARS ARE TO BE SMOOTH ROUND STEEL (GRADE 60) $\pm 1/4$ INCH DIAMETER BARS IS INCHES IN LENGTH.

IL DOWEL BARS WILL BE USED IN THE TRANSVERSE FACES OF THE PATCH AND ARE TO BE LOCATED AT MO-DEPTH AT THE SLAB AND PLACED AT APPROXIMATE IZ-NCH SPACINS, STATTING AND EDIONG APPROXIMATE YOUR FOOT FROM THE DOES OF THE PATCH DOWEL BAR SPACING SHALL BE ADJUSTED TO BE HALFWAY BETWEEN EXISTING LONGITUDINAL STEEL IN ADJUCENT SLAB.

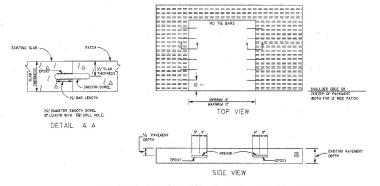
12. DRILLED HOLES FOR THE DOWEL BARS ARE TO BE 9 INCHES DEEP AND 1-3/8 INCH IN DIAMETER.

13. THE SAME EPOXY USED FOR THE TIE BARS SHALL BE USED TO BOND THE DOWEL BARS INTO THE EXISTING PAVEMENT WITHOUT TESTING FOR STRENGTH, PORTION OF DOWEL BAR NOT EMBEDDED IN EXISTING CONCRETE SHALL BE COATED WITH A BOND BREAKER.

IA, DOWEL BASKET ASSEMBLES ARE REQUIRED FOR PATCHES (6, FT IN LENGTH OR LONGER. THE DOWEL BASKETS SHALL BE CAPABLE OF SUPPORTING THE DOWELS, ALL TRANSVERSE JOINTS WHERE DOWEL BARS ARE USED WILL BE SAMED AND SEALED,

IS. EPOXY WILL NOT BE REGISSED ON ANY OF THE EXISTING PATCH VERTICAL FACES.

IG. THE BID ITEM SHALL BE: FULL DEPTH CONCRETE PAVEMENT PATCHING......S.Y.



PATCH LENGTHS 6 FT. TO 12 FT.



CONCRETE PAVEMENT DETAILS APPROVED BY

DATE

STANDARD DRAWING

SPEC. DRAWING 501-7

FULL DEPTH PATCHING FOR CONTINUOUSLY REINFORCED CONCRETE PAVEMENT