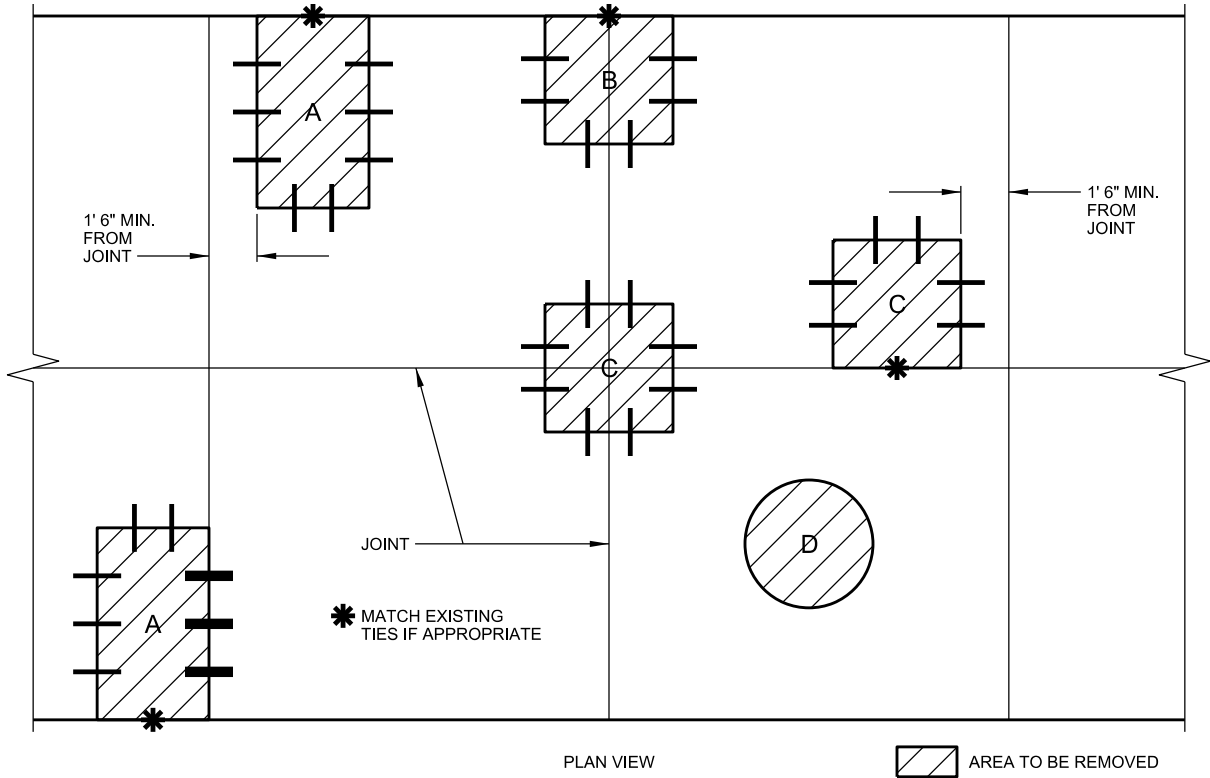


CONCRETE PAVEMENT SPOT CUTS - FULL DEPTH RESTORATION



DESCRIPTION: THIS SCOPE OF WORK SHALL APPLY FOR FAIR AND POOR PAVEMENT CONDITION. REMOVE CONCRETE, PLACE REINFORCING AND DOWELS AS REQUIRED. FURNISH AND PLACE CONCRETE, SAW AND SEAL JOINTS.

WORK TO BE DONE

1. DEFINE REMOVAL AREA. CHOOSE REPAIR LAYOUT AS SHOWN ABOVE. REPAIR LAYOUT A, B, C AND D AS EXPLAINED BELOW:
 - A. EXTERIOR EDGE, 3' 6" x 6' MIN. FOR A ONE HALF LANE REPAIR.
 - B. EXTERIOR EDGE OR A JOINT LOCATION, 4' x 4' MIN. SIZE.
 - C. INTERIOR EDGE OF CENTERLINE, 4' x 4' MIN. SIZE.
 - D. GAS LINE OR EXPLORATORY NODE, UNDER 7" DIA. SIZE BACKFILL 'D' REPAIR WITH MNDOT 3U18 OR EQUIVALENT HE READY MIX CONCRETE. FOR 8" DIA. OR LARGER HOLES, SAW CUT A 2' X 2' SQUARE AND DRILL AND GROUT NO. 13 REINFORCING BARS INTO EXISTING CONCRETE.
2. SAW CUT FULL DEPTH AND REMOVE CONCRETE PAVEMENT. RESTORE INPLACE BASE.
3. FURNISH AND INSTALL #4 (NO.13) x 18" LONG REINFORCING TIE BARS AT 24" CENTER-TO-CENTER PARALLEL TO CONCRETE SURFACE AT MID DEPTH OF EXISTING CONCRETE PAVEMENT AND ALL SIDES. ALL BARS SHALL BE A MIN. 1' FROM EDGE OR JOINT. IF ONE SIDE OF REPAIR IS ALONG A LONGITUDINAL JOINT, RETAIN OR REPLACE EXISTING BARS AS NECESSARY.

IF ONE SIDE AT REPAIR MATCHES AN EXISTING TRANSVERSE JOINT USE 1" DOWEL BARS, 18" LONG AT 24" CENTER-TO-CENTER PARALLEL TO CONCRETE SURFACE. COAT FREE END OF DOWEL BARS WITH A FORM COATING MATERIAL MEETING MNDOT SPECIFICATION 3902.
4. CLEAN SURFACES OF INPLACE CONCRETE.
5. FURNISH AND PLACE CONCRETE. FINISH TO REQUIRED GRADE, SLOPE, TEXTURE AND CURE.
6. REESTABLISH TRANSVERSE JOINTS AND LONGITUDINAL JOINTS AND SEAL AS PER MNDOT SPECIFICATIONS.

CONCRETE PAVEMENT THICKNESS SHALL BE A MIN. OF 8" OR MATCH THE EXISTING PAVEMENT, WHICHEVER IS THICKER.

A MINIMUM OF 4" OF COMPACTED CLASS 5 AGGREGATE BASE SHALL BE PLACED DIRECTLY BELOW CONCRETE PAVEMENT.

CLASS 5 AGGREGATES SHALL MEET THE CITY OF MINNEAPOLIS SPECIFICATIONS REQUIREMENTS.

ALL PAVEMENT SAWING SHALL BE COMPLETE CUTS WHICH EXTEND FROM THE PAVEMENT SURFACE TO THE BOTTOM OF THE CONCRETE PAVEMENT.

CONCRETE TO BE UTILIZED FOR SMALL PAVEMENT CUTS SHALL BE 3A41, 3F52, 3HE52 AND 3F52 OR 3HE52 FOR CURB AND GUTTER CONSTRUCTION. FOR LARGE PAVING REPAIR PROJECTS 3A41 OR 3A41HE SHALL BE USED.

	DRW: JFC	DATE: 2/17/17	CONCRETE PAVEMENT SPOT CUTS FULL DEPTH RESTORATION	STANDARD PLATE NO. ROAD-5001
	APP: JSH	DATE: 2/17/17		