EXISTING CENTERLINE JOINT WITH "KEYWAY"

EXISTING CONTRACTION/PANEL JOINT

FORM NEW CONTRACTION JOINT
IN LINE WITH EXISTING CONTRACTION
JOINT OF ADJACENT PAVEMENT & IN
INTERVALS NO GREATER THAN 15'
INSTALL DOWEL BAR BASKETS ALONG
CONTRACTION JOINTS WHERE SPECIFIED.

PATCH TYPES BY AREA (SY)
TYPE I: 0–4.99 SY
TYPE II: 5.00–14.99 SY
TYPE III: 15.00–49.99 SY
TYPE IV: 50.00–74.99 SY
TYPE V: > 75.00 SY

EPOXY COATED DOWEL BARS SHALL
BE INSTALLED ALONG LONGITUDINAL
JOINTS WHERE THE REPLACEMENT
CANNOT BE TIED INTO AN EXISTING
LONGITUDINAL "KEYWAY" JOINT

A LONGITUDINAL "KEYWAY"
JOINT SHALL BE CREATED AT
ALL LONGITUDINAL CENTERLINE
JOINTS WHERE PAVEMENT
IS TO BE REPLACED ON BOTH
SIDES OF THE CENTERLINE JOINT

SIX #6 18" EPOXY COATED
DOWEL BARS SHALL BE DRILLED
AND EPOXY CEMENTED INTO
THE END TRANSVERSE JOINTS
OF ALL PATCHES. BARS SHALL NOT
BE INSTALLED ALONG LONGITUDINAL
CENTERLINE JOINTS UNLESS AN EXISTING
"KEYWAY" IS NOT PRESENT

STATE CLASS PP
"HIGH EARLY"
CONCRETE MIX – NO FLY ASH

7.0"

2.8"

1.6"

4.0"

"KEYWAY" TO BE FORMED FOR AREAS
WHERE PATCHING IS PERFORMED ALONG BOTH
SIDES OF THE PAVEMENT CENTERLINE

ALL TYPE III, IV, AND V PATCHES
TO BE UNDERCUT 4".
A 4" THICK COMPACTED CA-6
SUB-BASE SHALL BE PROVIDED FOR
TYPE III, IV, AND V PATCHES.

SIX #6 (3/4") EPOXY COATED
DOWEL BARS DRILLED AND EPOXIED
INTO THE ENDS OF ALL PATCHES

CROSS SECTION A–A

NOTE: ALL CONTRACTION JOINTS SHALL BE SAW-CUT TO A DEPTH OF 2" NO
MORE THAN 24 HOURS AFTER THE PLACEMENT OF THE CONCRETE. ALL
JOINTS AND THE PERIMETER OF THE PATCH SHALL BE SANDBLASTED,
CLEANED, AND SEALED WITH HOT MIX RUBBER ASPHALT JOINT SEALER.

CONCRETE STREET PATCHING DETAIL

STANDARD DETAILS
2014

VILLAGE OF NORTHBROOK
PUBLIC WORKS DEPARTMENT