

REMOVE AND REPLACE P.C.C. PAVEMENT

THE PAVEMENT AREAS TO BE REPAIRED ARE AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL PAVEMENT REPAIR AREAS WILL BE MARKED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

AREAS LESS THAN 6" IN LENGTH AND 2" IN WIDTH SHALL NOT BE REPAIRED BUT SHALL BE FILLED WITH THE JOINT SEALER MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS.

THE DISTRESSED AREA WILL BE REPAIRED BY PARTIAL DEPTH PATCHING. THE PATCHING MATERIAL SHALL BE A HIGH EARLY STRENGTH, FAST SETTING MORTAR.

THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS IN SUCH A MANNER AS TO ONLY REPAIR THOSE AREAS WHICH CAN BE COMPLETED BY THE END OF EACH DAY.

THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, MIXING, PLACEMENT, CONSOLIDATION, SCREENING, AND CURING OF THE PATCHING MATERIAL.

A 2" DEPTH SAW CUT SHALL BE MADE AROUND THE PERIMETER OF THE PATCH AREA TO PROVIDE A VERTICAL FACE AT THE EDGE AND SUFFICIENT DEPTH FOR THE PATCH. THE "RUN-OUT" OF THE SAW CUTS IN THE EXISTING SLAB SHALL BE FILLED WITH THE MORTAR PHASE OF THE PATCH MATERIAL.

IN REMOVING THE CONCRETE WITHIN THE PATCH AREA, THE CONTRACTOR SHALL BE EXTRA CAUTIOUS AS TO NOT DAMAGE OR FRACTURE THE CONCRETE BELOW THE REQUIRED DEPTH. THE CONCRETE SHALL BE REMOVED TO A DEPTH OF FINDING UNDAMAGED CONCRETE. A HAMMER IS TO BE USED TO RING THE UNDERLYING PAVEMENT FOR SOUNDNESS.

AFTER REMOVAL OF THE CONCRETE, THE SURFACE OF THE PATCH AREA SHALL BE SANDBLASTED FREE OF LOOSE PARTICLES, OIL, DUST, AND OTHER CONTAMINANTS. ONCE THIS IS COMPLETED, THE PATCH AREA SHALL BE AIR BLASTED FOR FINAL CLEANING.

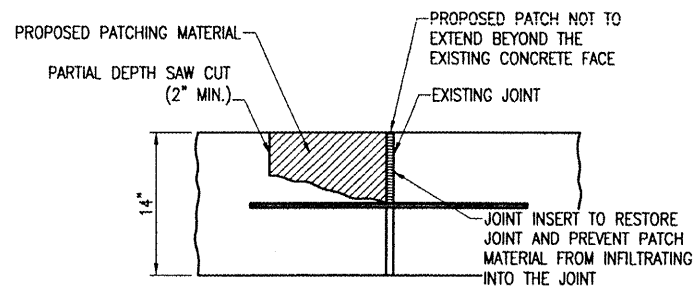
THE PATCH AREA SHALL BE DAMPENED WITH CLEAN WATER BEFORE PATCHING, NO PUDDLES OF WATER SHALL BE LEFT IN THE HOLE BEFORE PLACING MATERIAL.

THE PATCH MIXTURE SHALL BE PLACED AND CONSOLIDATED TO ELIMINATE ESSENTIALLY ALL VOIDS AT THE INTERFACE BETWEEN THE PATCH AND THE EXISTING CONCRETE. ALL PATCHES SHALL BE FINISHED TO CONFORM WITH THE EXISTING PAVEMENT TEXTURE.

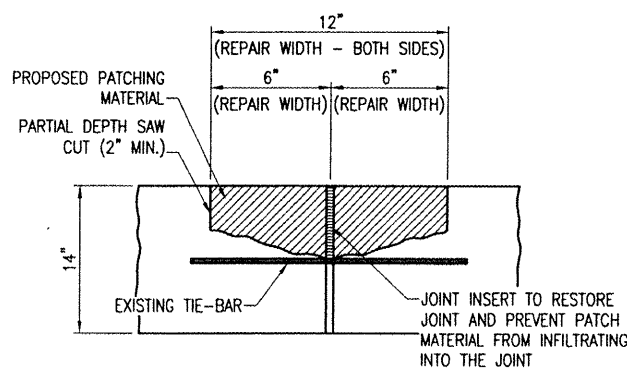
THE NEW PATCH MUST NOT BE IN CONTACT WITH THE ADJACENT SLAB PANELS. A FOAM PLASTIC SHEETING OR WALLBOARD 1/8" TO 3/8" THICK SHALL BE INSERTED IN THE JOINT TO MAINTAIN A SPACE BETWEEN THE PATCH AND THE ADJACENT PANEL. THE PATCH IS NOT TO PROTRUDE BEYOND THE FACE OF THE CONCRETE SLAB.

FOR POSITIVE CURING OF THE PATCHED AREA, WET BURLAP MATERIAL SHALL BE PLACED OVER THE AREA AND REWETTED WHEN NEEDED FOR PROPER CURING.

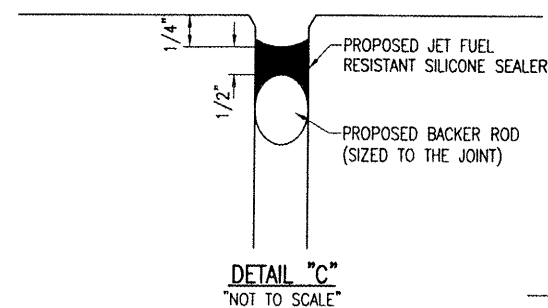
THE EXISTING JOINTS ADJACENT TO THE PATCHED AREAS SHALL BE RE-SAWED AND CLEANED BEFORE RESEALING THE JOINT.



REMOVE AND REPLACE P.C.C. PAVEMENT
NOT TO SCALE



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DETAIL "C"
NOT TO SCALE

CLEAN & SEAL JOINTS

THE EXISTING JOINTS TO BE CLEANED AND RESEALED IN ACCORDANCE WITH THE SPECIFICATIONS WILL BE LOCATED IN THE FIELD AT THE TIME OF CONSTRUCTION.

THE EXISTING JOINTS VARY APPROXIMATELY FROM 3/8" TO 1/2" IN WIDTH.

THE TYPE OF JOINT SEALER TO BE REMOVED FROM THE TRANSVERSE AND LONGITUDINAL JOINTS IS A SILICONE SEALANT MATERIAL.

THE CONTRACTOR SHALL USE A SILICONE SEALANT MATERIAL TO RESEAL THE LONGITUDINAL AND TRANSVERSE JOINTS. THE JOINT PREPARATION SHALL INCLUDE THE REMOVAL OF OLD SEALANT. JOINT PREPARATION WILL INCLUDE SAWING, SANDBLASTING, CLEANING, INSTALLATION OF BACKER ROD, AND THE INSTALLATION OF SILICONE SEALANT.

THE CONTRACTOR WILL BE REQUIRED TO REPAIR ANY JOINTS DAMAGED BY HIS OPERATIONS OR REPLACE ANY MATERIAL FOUND OUT OF SPECIFICATION DURING THE SEALING OPERATION.

THE RESIDENT ENGINEER SHALL EXAMINE THE JOINTS FOR THE FOLLOWING FEATURES:

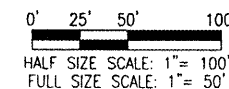
- JOINT FACE IS CLEAN AND DRY BEFORE SEALANT APPLICATION.
- NO BACKER MATERIAL IS DAMAGED OR FLOATING IN THE SEALANT.
- JOINTS ARE NOT UNDER FILLED OR OVER FILLED.
- SEALANT HAS ADHERED TO THE FACE OF THE JOINT.
- SPILLED SEALANT HAS BEEN REMOVED.
- NO DEBRIS IS LEFT ON THE PAVEMENT SURFACE.

THE JOINTS SHALL BE RE-SEALED IN ACCORDANCE WITH ITEM 605 JOINT SEALING FILLER USING DOW CORNING 888 NON SAG SILICONE JOINT SEALER. THE SEALER SHALL BE NEATLY FINISHED AS SHOWN IN THE DETAIL. ALL OVERFILLED JOINTS SHALL BE REMOVED AND CORRECTED. SPILLS SHALL BE REMOVED FROM THE PAVEMENT.

LEGEND

EXISTING PAVEMENT

PROPOSED PAVEMENT REMOVAL AND REPLACEMENT



DATE	REVISION	BY
05/27/08	REVISED AS PER IDA REVIEW	CAH

COLES COUNTY AIRPORT
 AUTHORITY
 COLES COUNTY MEMORIAL AIRPORT

IL PROJ.: MTO-3813 A.I.P. PROJ.: 3-17-0066-B21

HEL Project No. 08A0008D 0800	DPE	04/15/08
File Name: R-121CON11-29.DWG	DPE	04/15/08
Scale: 1" = 50'	CAH	05/07/08
Date: 04/15/08		
LAYOUT		
DRAWN		
REVIEWED		

HANSON

Hanson Professional Services Inc.
 1525 South Sixth Street
 Springfield, Illinois 62703-2888
 Offices Nationwide

PAVEMENT REPAIRS & ENHANCED MARKING

PROPOSED CONSTRUCTION
 PLAN FOR RUNWAY 11/29
 STA. 152+00 TO STA. 165+00

JUN 30, 2008 11:37 AM RINKED0461
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