CO052

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 ⅛" TO ⅜" 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 RESAWED AND CLEANED BEFORE RESEALING THE JOINT.

CLEAN & SEAL CRACKS

THE EXISTING CRACKS AS SHOWN ON THE CONSTRUCTION PLANS ARE TO BE CLEANED AND RESEALED IN ACCORDANCE WITH THE SPECIFICATIONS.

THE CRACK SIZES VARY APPROXIMATELY FROM ¾" TO 1-½" IN WIDTH.

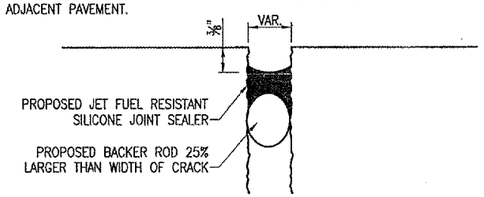
THE PROPOSED SEALANT MATERIAL FOR RESEALING THE CRACKS WILL BE SILICONE JOINT SEALANT MATERIAL.

THE PLAN QUANTITY OF CRACKS TO BE CLEANED AND SEALED IS AN ESTIMATE BASED UPON A SURVEY COMPLETED IN SEPTEMBER 2005. ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION WILL BE CLEANED AND SEALED.

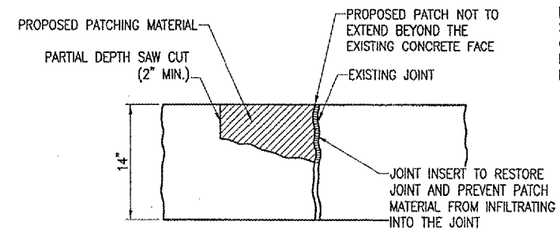
SURFACE PATCHING

THE PAVEMENT AREAS TO BE PREPARED IN ACCORDANCE WITH THE PROCEDURES SET FORTH IN THE SPECIAL PROVISION AND AS RECOMMENDED BY THE MANUFACTURER. ALL PATCHING REPAIR AREAS WILL BE MARKED OUT BY THE RESIDENT ENGINEER.

THE AREA TO BE REPAIRED WILL BE SAND BLASTED TO EXPOSE CLEAN AGGREGATE. THE AREA IS TO BE BLOWN CLEAN OF ALL DUST AND FOREIGN MATERIALS. THE PATCHING MATERIAL WILL BE APPLIED IN STRICT ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATIONS. CARE SHOULD BE TAKEN ONLY TO FILL IN THE VOIDS AND NOT BUILD-UP THE SURFACE. THE PATCHING IS TO BE TEXTURED TO MATCH THE TEXTURE OF THE ADJACENT PAVEMENT.

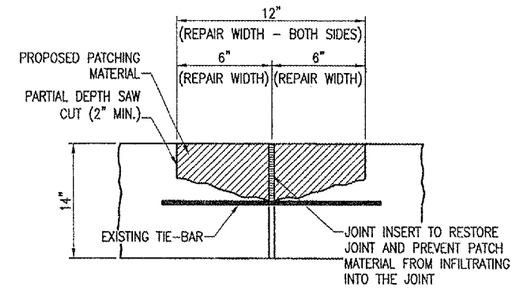


CLEAN & SEAL CRACKS
NOT TO SCALE



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

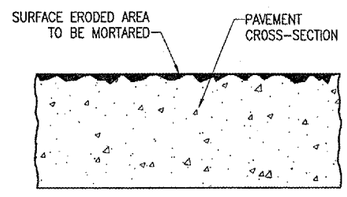
NOTE:
SAW THE CENTERLINE JOINT FOR THE FULL WIDTH OF THE EXISTING JOINT AND FULL DEPTH OF THE REPAIR. USE CAUTION TO SAWCUT THE JOINT IN LINE WITH THE EXISTING JOINT.



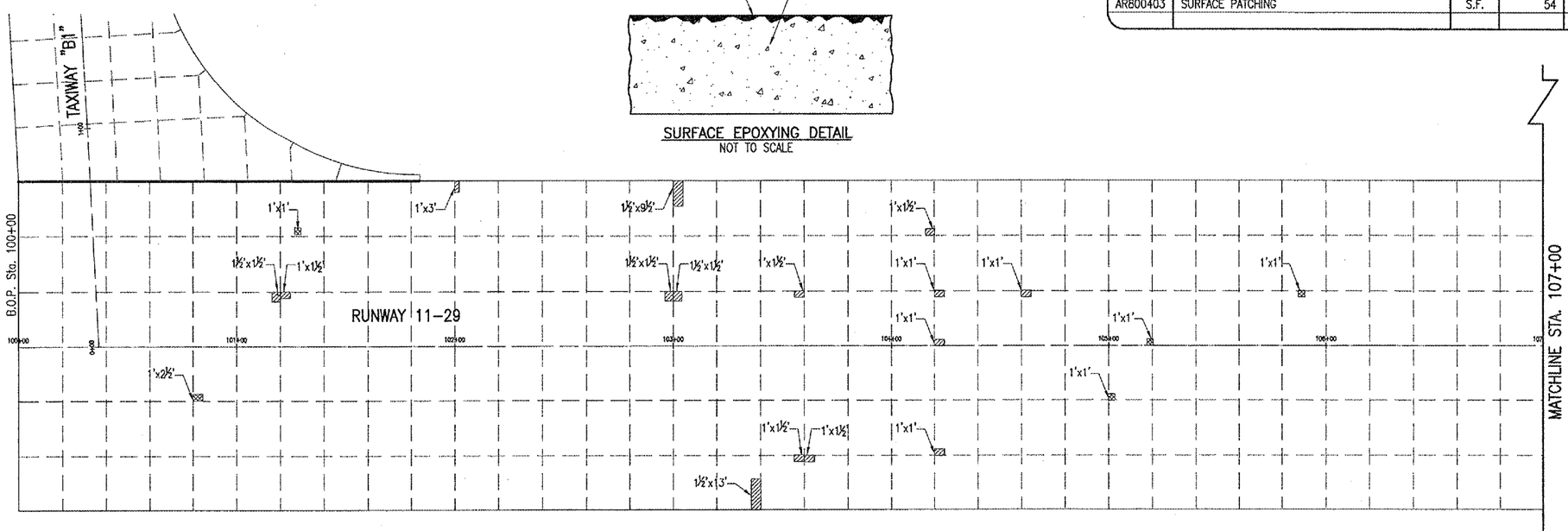
REMOVE AND REPLACE P.C.C. PAVEMENT
NOT TO SCALE

QUANTITIES (RUNWAY 11-29)

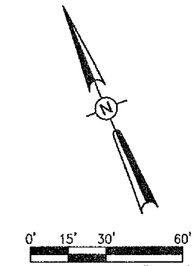
PAY ITEM	DESCRIPTION	UNIT	TOTAL	AS-BUILT
AR501911	REMOVE AND REPLACE PCC PAVEMENT	S.F.	407	
AR605541	CLEAN & SEAL CRACKS	L.F.	335	
AR600403	SURFACE PATCHING	S.F.	54	



SURFACE EPOXYING DETAIL
NOT TO SCALE



LEGEND
- EXISTING IMPROVEMENTS
- REMOVE AND REPLACE P.C.C. PAVEMENT
- SURFACE PATCHING
- CLEAN & SEAL CRACKS



DATE	REVISION	BY

COLES COUNTY AIRPORT AUTHORITY
A.I.P. PROJ.: 3-17-0066-817
IL. PROJ.: MTO-3551

HEI Project No. 815-06RWYD
Filename R-121CON.DWG
Scale 1" = 30'
Date 10/31/05

LAYOUT	CCC	10/31/05
DRAWN	CCC	10/31/05
REVIEWED	CAH	01/09/06

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PAVEMENT REPAIRS ON RUNWAY 11-29

PROPOSED CONSTRUCTION PLAN: RUNWAY 11-29 STA. 100+00 TO STA. 107+00

4
4 of 15 sheets

MAR 29, 2006 9:21 AM CAH
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