

# TRANSPORTATION BULLETIN



Illinois Department of Transportation

## **ADDENDUM NO. 1**

Dated: July 24, 2006

For: Transportation Bulletin

Letting Date: August 4, 2006

Volume 9 No. 26 Dated: June 30, 2006

### Item No. 5A – Construct Aircraft Parking Apron

St. Louis Regional Airport

Alton, Illinois

Madison County

IL Project No.: ALN-3348

Contract No.: SR084

### REASON FOR ADDENDUM:

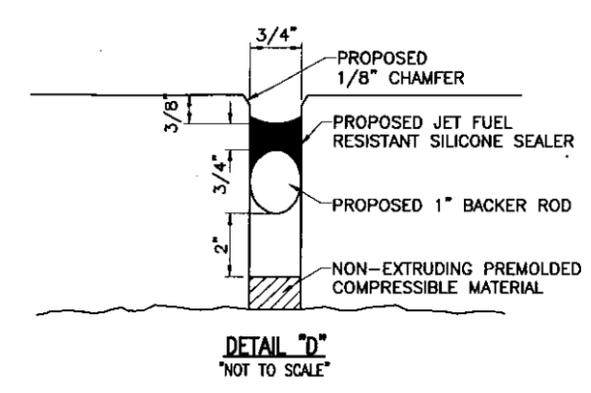
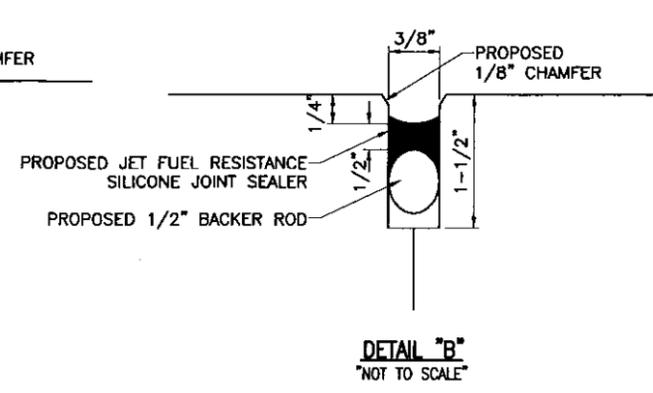
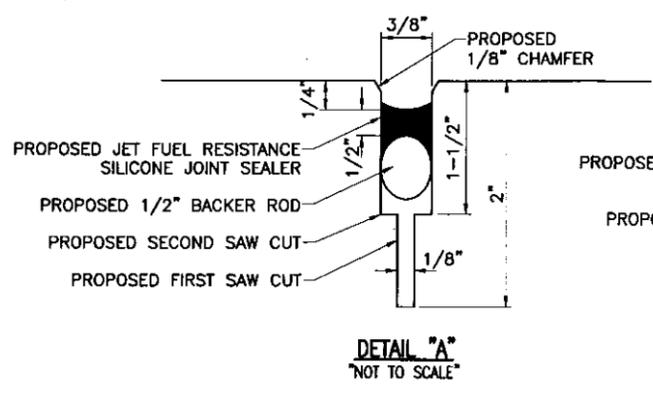
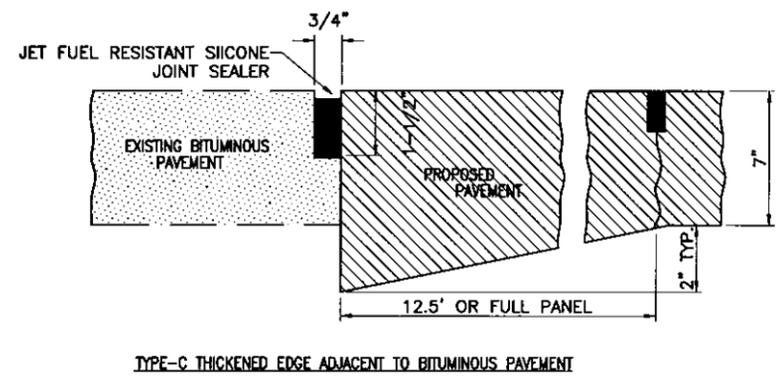
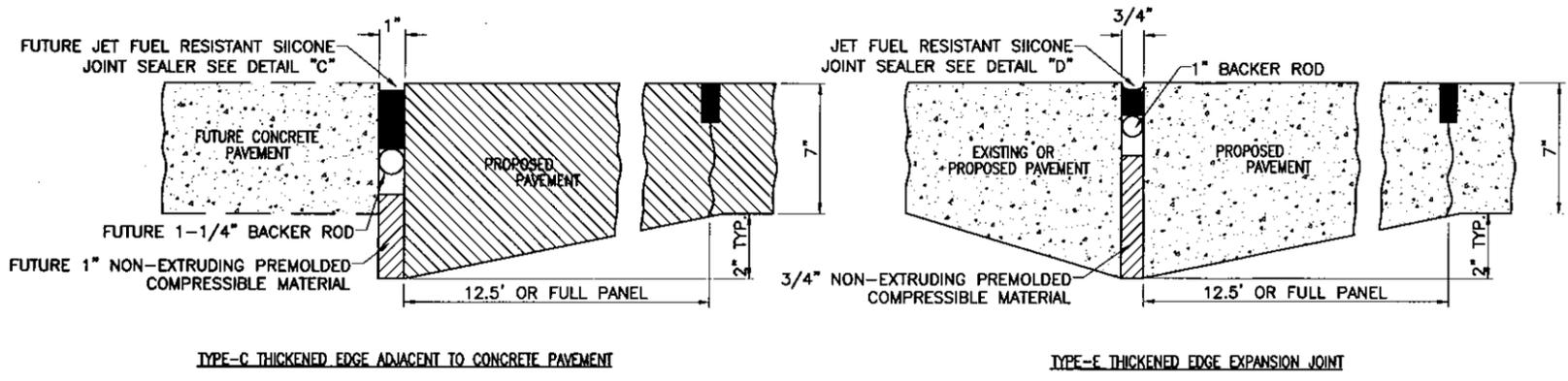
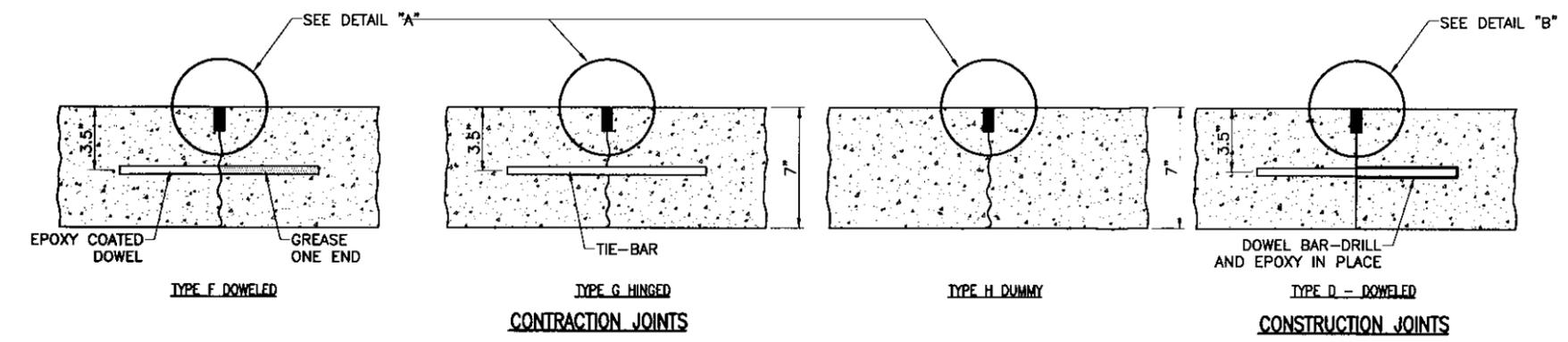
Plan corrections regarding pavement thickness and jointing details.

Changes include:

- Revise pavement thickness from 14 inches to 7 inches.
- Revise thickened edge from 4 (11 inches total) inches to 2 inches (9 inches total).
- Revise tie-bar and dowel bar depth from 7 inches to 3.5 inches.
- Revise initial saw cut depth at joints from 3.5 inches to 2 inches.

### TO ALL PLAN HOLDERS:

Insert revised sheet 11 of 28 dated July 24, 2007.



**JOINTING NOTES**

ALL EXPOSED JOINT EDGES SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/4" OR STONED TO PRODUCE THE 1/8" CHAMFER.

ALL LONGITUDINAL AND TRANSVERSE CONTRACTION AND CONSTRUCTION JOINTS SHALL BE SAWEED.

ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL INSURE THAT THEY WILL REMAIN PARALLEL TO THE SURFACE OF THE PAVEMENT AND TO THE CENTERLINES OF THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. DOWELS FOR THE 14" PAVEMENT SHALL BE 3/4" DIA., 18" LENGTH AND 12" SPACING.

ALL TIE-BARS SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR OTHER METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT. SUPPORT PINS SHALL BE OF SUFFICIENT LENGTH TO PENETRATE AT LEAST 6" INTO THE SUBGRADE.

ALL TIE-BARS SHALL BE PLACED AT A POINT NOT EXCEEDING 15" OR CLOSER THAN 6" FROM A TRANSVERSE, CONTRACTION, EXPANSION, OR CONSTRUCTION JOINT AND SPACED 30" ON CENTERS AND SHALL BE NO. 5 DEFORMED BARS, 30" IN LENGTH.

DOWELS IN TRANSVERSE, CONTRACTION, AND CONSTRUCTION JOINTS SHALL BE EPOXY COATED AND HALF THE LENGTH GREASED WITH A HEAVY GREASE.

ALLOWABLE TOLERANCES FOR GROOVE DEPTH WILL BE +1/8" FOR CONSTRUCTION JOINTS AND + 1/4" FOR CONTRACTION JOINTS.

DOWELS LOCATED IN THE CONSTRUCTION JOINTS WILL BE DRILLED AND EPOXY IN PLACE. THE EPOXY MATERIAL MUST BE APPROVED BY THE ILLINOIS DIVISION OF AERONAUTICS

THE COST OF ALL DOWEL BARS, TIE-BARS, SAWING AND SEALING SHALL BE INCLUDED IN THE COST OF THE P.C.C. PAVEMENT.

PRIOR TO PLACING ADJACENT PAVEMENT SECTIONS, THE VERTICAL EDGE SHALL BE CHECKED FOR TRUENESS IF THE FACE IS BURRED OR IRREGULAR, THE CONTRACTOR SHALL GRIND, STONE OR SAW THE FACE A MINIMUM OF 2" IN DEPTH TO PRODUCE A SMOOTH AND STRAIGHT EDGE.

WHEN CONSTRUCTING "FILL-IN" PAVEMENT LANES THE CONTRACTOR SHALL USE BELTING OR OTHER PROTECTIVE MATERIAL FOR THE PAVING MACHINE TO TRAVEL ON AND WILL ROPE THE TRANSVERSE JOINTS.

JOINT SEALANT SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS ITEM 501-2.5.

CURING COMPOUND WILL BE AS SPECIFIED IN THE SPECIFICATIONS, ITEM 501-3.17 AND SHALL BE APPROVED PRIOR TO THE PAVING OPERATION BY THE ENGINEER.

ALL NON-ALIGNED EDGES WILL BE SAWEED FULL DEPTH.

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**TO ALL PLAN HOLDERS:**  
Insert revised sheet 11 of 28 dated July 24, 2007.

ST. LOUIS REGIONAL AIRPORT EAST ALTON, ILLINOIS ILL. PROJ.: ALN-3348	DATE: 7/24/06 REVISION: REVISED DIMENSIONING
	HANSON Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2886 Chicago Nationwide
PROJECT: CONSTRUCT AIRCRAFT PARKING APRON JOINTING DETAILS AND NOTES	HANSON PROJECT NO.: 83706APND_0240 DRAWING: R-161JNT.DWG SCALE: NOT TO SCALE DATE: 04/14/06 LAYOUT: JAC 04/14/06 DRAWN: BAK 04/14/06 REVIEWED: CAH 05/17/06
11 11 of 28 sheets	

JUL 24 2006 12:31 PM CAH  
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