

REMOVE & REPLACE BIT. PAVEMENT-TYPE B (AR401916)

ITEM AR401916 REM & REPL BIT PAVEMENT - TYPE B WILL BE UTILIZED TO PERFORM LARGE CRACK REPAIR AND PAVEMENT FAILURE AREAS AND SHALL BE COMPLETED BEFORE THE EXISTING SURFACE IS MILLED.

THE QUANTITY OF CRACKS TO BE REPAIRED WAS ESTABLISHED BY THE COMPLETION OF A PAVEMENT CONDITION AND CRACK SURVEY PERFORMED IN THE SPRING OF 2009, AND CONSISTS OF THOSE CRACKS FOUND TO BE GREATER THAN ONE INCH IN WIDTH AT THE TIME OF THE SURVEY, AND EXHIBITING ROLLED EDGES. ALL CRACKS TO RECEIVE REPAIR SHALL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

THE EDGE OF THE TRENCH FORMED WILL HAVE A VERTICAL FACE PRIOR TO THE PLACEMENT OF THE BITUMINOUS MATERIAL. THE WIDTH OF REPAIR WILL BE MARKED BY THE RESIDENT ENGINEER, BUT IN NO CASE BE LESS THAN 4 FEET IN WIDTH. THE DEPTH OF REPAIR WILL BE THE FULL DEPTH OF THE EXISTING PAVEMENT. SEE THE TYPICAL SECTIONS, SHEET 4, FOR THE EXISTING PAVEMENT DEPTHS (BASED ON RECORD AS-BUILT CONSTRUCTION PLANS).

THE CONTRACTOR WILL DISPOSE OF THE EXCAVATED MATERIAL OFF THE AIRPORT SITE AT NO ADDITIONAL COST TO THE CONTRACT.

THE BOTTOM OF THE TRENCH WILL BE CLEANED AND COMPACTED TO PREVENT FUTURE SETTLEMENT, AND ACCEPTED BY THE RESIDENT ENGINEER. ONCE THE TRENCH IS CLEANED, THE BASE AGGREGATE COMPACTED, AND ACCEPTED, AN APPLICATION OF BITUMINOUS TACK MATERIAL WILL BE APPLIED TO THE VERTICAL BITUMINOUS FACE AND THE AGGREGATE BASE. THE REPAIR TRENCH WILL BE BACKFILLED WITH BITUMINOUS SURFACE COURSE MATERIAL (401), IN LIFTS NOT TO EXCEED 3 INCHES IN DEPTH. THE FINAL LIFT SHALL BE FLUSH WITH THE SURFACE OF THE EXISTING BITUMINOUS PAVEMENT. EACH LIFT SHALL BE COMPACTED AND ACCEPTED BY THE RESIDENT ENGINEER.

ANY DAMAGE TO THE EXISTING ADJACENT PAVEMENT WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE. THE QUANTITY OF PAVEMENT REMOVAL, MILLING AND/OR SAWCUTS, IF UTILIZED, TACK MATERIAL, AND BITUMINOUS SURFACE COURSE MATERIAL (401) NECESSARY TO COMPLETE THIS TASK WILL BE CONSIDERED INCIDENTAL TO THE TASK, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE QUANTITY OF BITUMINOUS PAVEMENT REPAIR TO BE PAID FOR SHALL BE THE NUMBER OF SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED, IN ACCORDANCE WITH THE SPECIAL PROVISIONS, CONSTRUCTION DRAWINGS, AND ACCEPTED BY THE ENGINEER.

THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:
AR401916 REM & REPL BIT PAVEMENT-TYPE B - PER S.Y.

BITUMINOUS PAVEMENT MILLING (AR401650)

THE AREAS DESIGNATED AS [Hatched Pattern] ON THIS SHEET SHALL BE REMOVED USING A ROTO-MILLING EQUIPMENT. THE TOLERANCE OF THE MILLING WILL BE AS STATED IN THE STANDARD SPECIFICATIONS.

THE PROPOSED MILLING DEPTH IS 1.5 INCHES. THE CONTRACTOR WILL MONITOR THE MILLING OPERATION FOR DELAMINATION OF THE EXISTING PAVEMENT.

ALL MILLED MATERIAL WILL BE DISPOSED OFF OF THE AIRPORT SITE, EXCEPT THAT THE AIRPORT WILL RECEIVE 5-10 TANDEM LOADS OF THE CUTTINGS SEE SHEET 3, PROPOSED SAFETY PLAN, FOR LOCATION OF WASTE AREA.

PRIOR TO APPLYING THE BITUMINOUS OVERLAY ALL MILLED MATERIAL WILL BE BROOMED AND BLOWN CLEAN AND A BITUMINOUS TACK COAT APPLIED. THE VERTICAL FACE OF ALL SAW CUTS WILL BE PAINTED WITH A LIQUID ASPHALT.

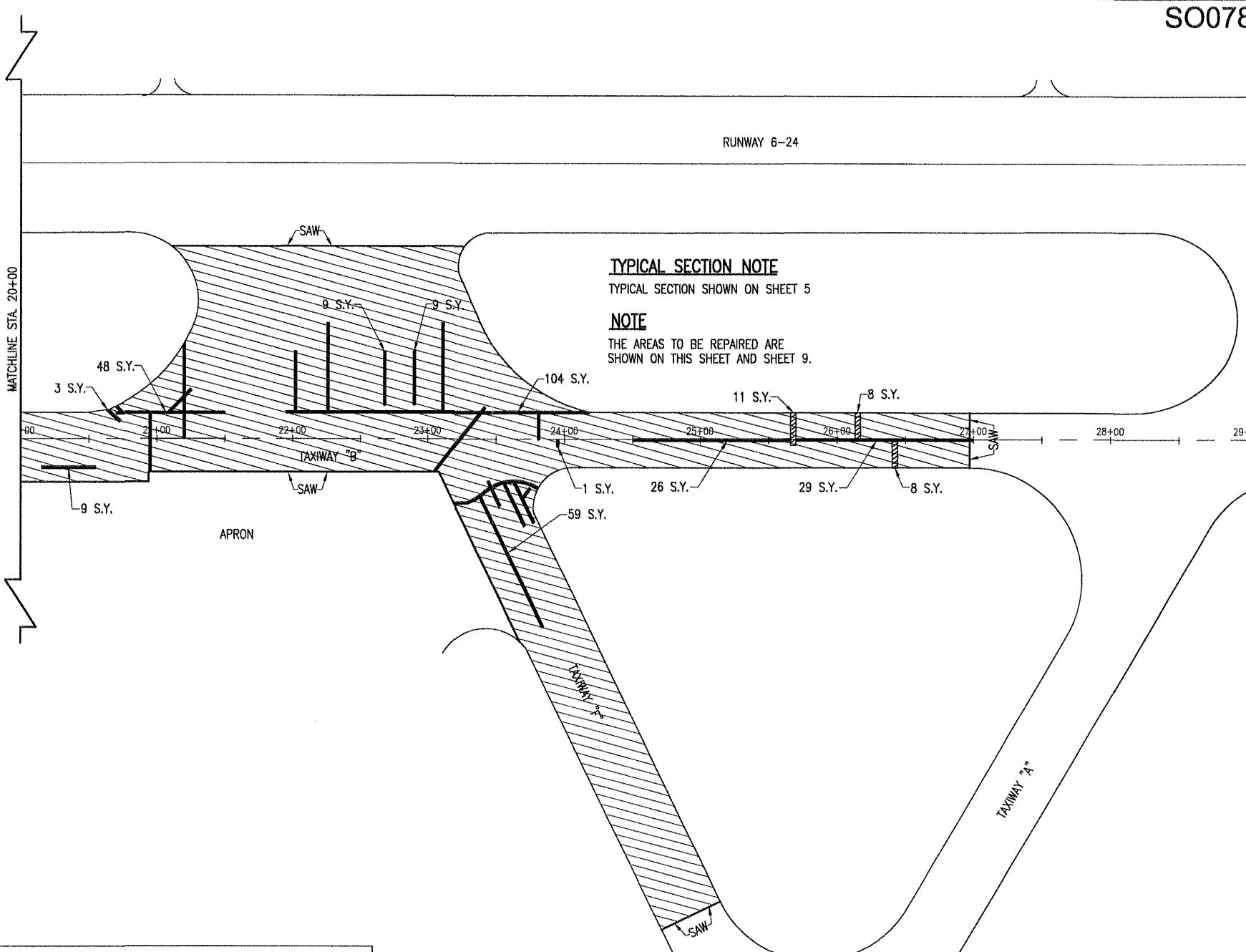
ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE RESIDENT ENGINEER.

ALL PAVEMENT REPAIR (AR401915 & AR401916) SHALL BE ACCOMPLISHED BEFORE ANY MILLING OPERATIONS ARE CONDUCTED.

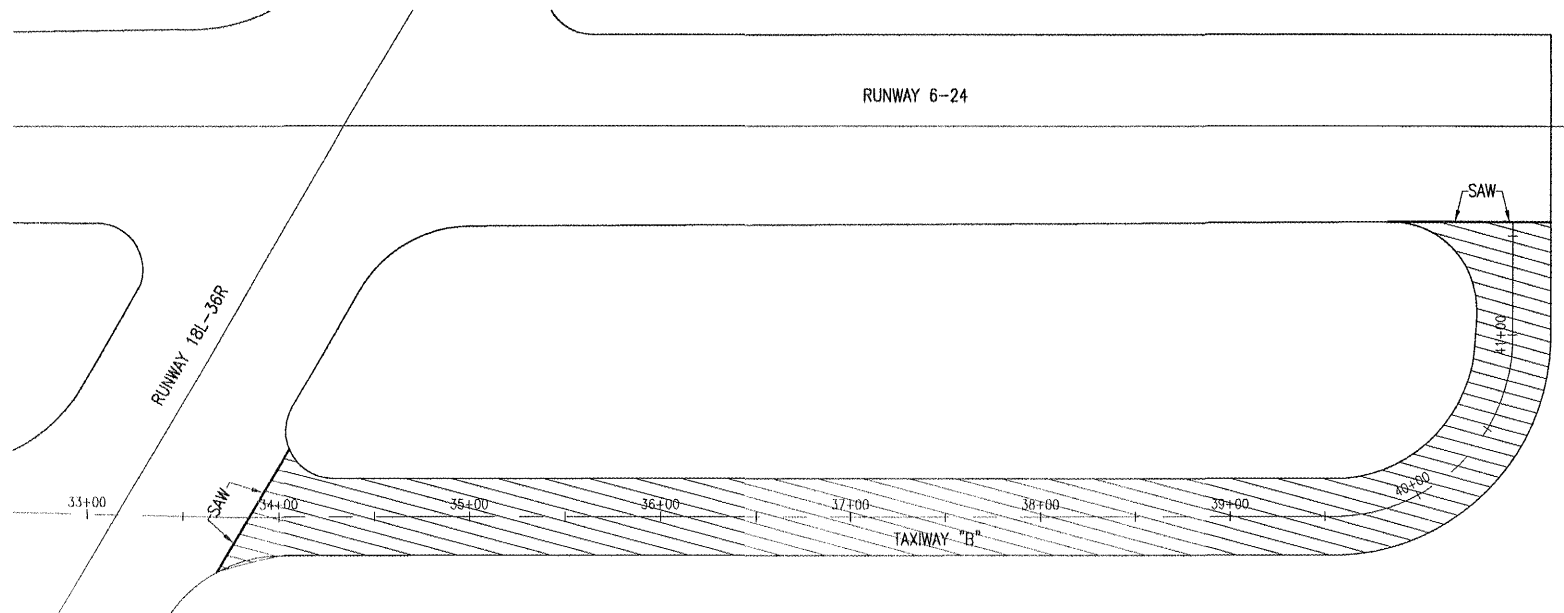
THIS ITEM OF WORK SHALL BE PAID FOR UNDER ITEM:
AR401650 BITUMINOUS PAVEMENT MILLING - PER S.Y.

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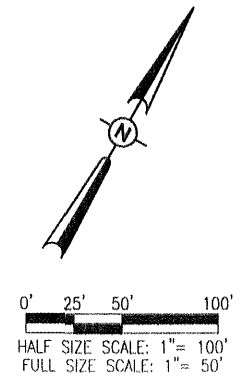


TYPICAL SECTION NOTE
TYPICAL SECTION SHOWN ON SHEET 5

NOTE
THE AREAS TO BE REPAIRED ARE SHOWN ON THIS SHEET AND SHEET 9.



- LEGEND**
- [Solid Line] EXISTING IMPROVEMENTS
 - [Hatched Pattern] PROPOSED MILLING
 - [Dashed Line] PROPOSED 2' WIDE PARTIAL DEPTH PATCHES
 - [Diagonal Hatched Pattern] PROPOSED FULL DEPTH PATCHES



DATE	REVISION	BY

SOUTHERN ILLINOIS AIRPORT
MURPHYSBORO / CARBONDALE, ILLINOIS

IL PROJ.: MDH-3692 A.I.P. PROJ.: 3-17-0009-B29

Hanson Project No. 0840067D-0800	DATE	04/03/09
Filename: R-111.PRP.DWG	DATE	01/26/09
Scale: 1" = 50'	LAYOUT	JSL
DATE	DRAWN	BAK
	REVIEWED	CAH

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

REHABILITATE TAXIWAY "B"
PROPOSED PAVEMENT PREPARATION PLAN
STA. 20+00 TO STA. 27+00

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