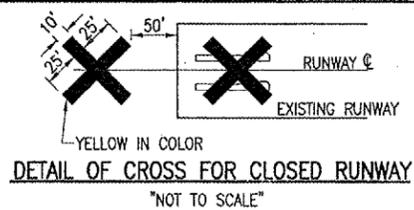
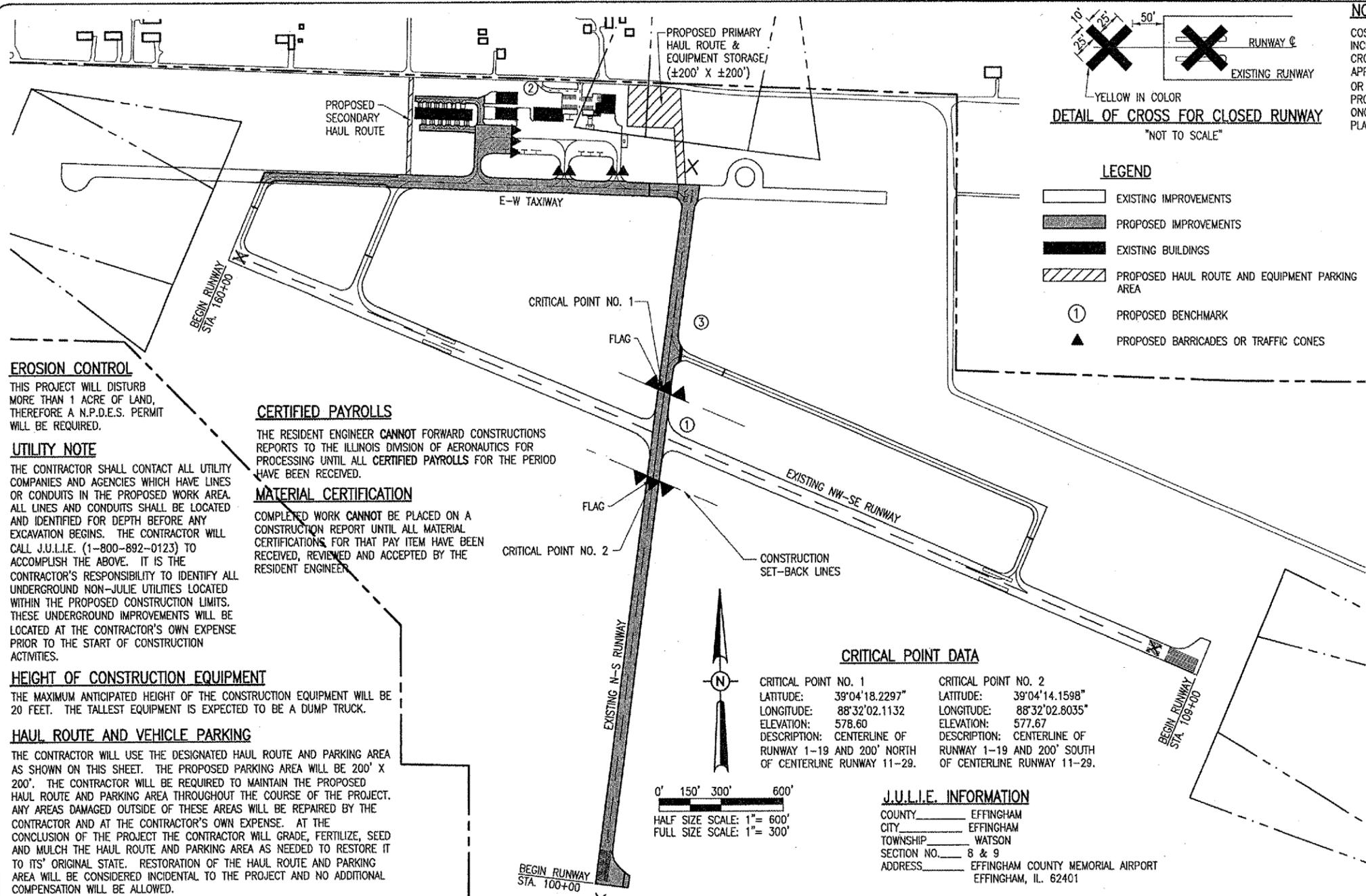


MAY 04, 2007 10:17 AM CAH  
 I:\AIRPORTS\EFFINGHAM\B04-07RWY\AIRPORT\_SHEETS\R-003SFY.DWG - SAFETY PLAN



- LEGEND**
- EXISTING IMPROVEMENTS
  - PROPOSED IMPROVEMENTS
  - EXISTING BUILDINGS
  - PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA
  - ① PROPOSED BENCHMARK
  - ▲ PROPOSED BARRICADES OR TRAFFIC CONES

**CRITICAL POINT DATA**

CRITICAL POINT NO. 1	CRITICAL POINT NO. 2
LATITUDE: 39°04'18.2297"	LATITUDE: 39°04'14.1598"
LONGITUDE: 88°32'02.1132	LONGITUDE: 88°32'02.8035"
ELEVATION: 578.60	ELEVATION: 577.67
DESCRIPTION: CENTERLINE OF RUNWAY 1-19 AND 200' NORTH OF CENTERLINE RUNWAY 11-29.	DESCRIPTION: CENTERLINE OF RUNWAY 1-19 AND 200' SOUTH OF CENTERLINE RUNWAY 11-29.

**J.U.L.I.E. INFORMATION**

COUNTY: EFFINGHAM  
 CITY: EFFINGHAM  
 TOWNSHIP: WATSON  
 SECTION NO.: 8 & 9  
 ADDRESS: EFFINGHAM COUNTY MEMORIAL AIRPORT  
 EFFINGHAM, IL. 62401

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123.

**BENCHMARK DATA**

NO.	DESCRIPTION	ELEV.
1	NGS STEEL ROD 127' EAST 1-19 @ 76.8' NE 11-29 @	575.99
2	TOP OF SW BOLT OF BEACON BASE	584.84
3	CHISELED SQUARE NW CORNER PLASI FOUNDATION	570.85

**NOTE:**

**EF004**

COST OF CONSTRUCTING, PLACING, MAINTAINING AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE CROSSES WILL BE YELLOW IN COLOR AND SHALL BE MADE OF A SUITABLE MATERIAL AS APPROVED BY THE AIRPORT MANAGER. THE CROSSES WILL BE PLACED OVER THE NUMERALS OR 50' OFF THE RUNWAY END AND SECURED IN A MANNER APPROVED BY THE MANAGER. THE PROPOSED CROSSES WILL BE IN PLACE EACH DAY THE RUNWAY IS CLOSED AND REMOVED ONCE THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**PROPOSED SAFETY PLAN**

**GENERAL** - THE EFFINGHAM COUNTY MEMORIAL AIRPORT IS COMPRISED OF TWO RUNWAYS. THE PRIMARY RUNWAY IS THE NW-SE RUNWAY(11-29) AND CLOSING OF IT IS TO BE KEPT TO A MINIMUM. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING THIS PRIMARY RUNWAY FOR A TIME PERIOD OF ±7 DAYS AND THE N-S RUNWAY (1-19) FOR MOST OF THE PROJECT. THE AIRPORT MANAGER WILL BE GIVEN A MINIMUM OF 24 HRS NOTICE BEFORE THE CLOSING OF THE N-S RUNWAY(1-19) AND A MINIMUM 48 HRS NOTICE BEFORE CLOSING THE NW-SE RUNWAY(11-29) WHICH EFFECTIVELY SHUTS THE AIRPORT DOWN. THIS NOTICE IS REQUIRED SO HE MAY SCHEDULE WITH PILOTS AND ISSUE NOTAM'S. ANYTIME THE CONTRACTOR IS WORKING WITHIN THE 200' SAFETY AREA OF RUNWAY 11-29 CENTERLINE THAT RUNWAY WILL BE CLOSED. OTHER THAN THE 7 DAY CLOSURE PERIOD, RUNWAY 11-29 WILL BE CLOSED ONLY DURING THE CONSTRUCTION DAY. WHENEVER A RUNWAY IS CLOSED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SHUT OFF THE RELATED LIGHTS AND NAVAIDS. IT WILL BE THE AIRPORT MANAGER'S RESPONSIBILITY TO SHUT OFF THE LOCALIZER CONCERNING THE NW-SE RUNWAY CLOSURES. AT THE END OF EACH CONSTRUCTION DAY, THE CONTRACTOR WILL SMOOTH GRADE ALL AREAS WITHIN THE SAFETY AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER, RE-ENERGIZE THE LIGHTS AND NAVAIDS, REMOVE THE CROSSES AND RE-OPEN THE RUNWAY. ALL WORK INCLUDED IN OPENING AND CLOSING THE RUNWAY WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**IDENTIFICATION** - WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT THEY SHALL BE PROPERLY MARKED WITH THREE (3)' FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.

**RADIO CONTROL** - THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.8 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE EFFINGHAM COUNTY MEMORIAL AIRPORT AND ENABLE THE AIRPORT TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

**FLAG PERSONS**

WHENEVER THE NW-SE (11-29) RUNWAY IS OPEN AND THE CONTRACTOR IS CONDUCTING HAULING OPERATIONS ACROSS THIS ACTIVE RUNWAY, THE CONTRACTOR WILL FURNISH TWO FLAG PERSONNEL TO CONTROL THE VEHICLES CROSSING RUNWAY 11-29. ALL VEHICLES MUST COME TO A COMPLETE HALT PRIOR TO BEING DIRECTED ACROSS THE ACTIVE RUNWAY BY THE FLAG PERSONNEL.

ONE OF THE FLAG PERSONNEL WILL BE EQUIPPED WITH A TWO-WAY RADIO (CHANNEL 122.8 MHz.) FOR MONITORING THE AIRPORT RADIO FREQUENCY. THEY ALSO SHALL BE IN CONTACT WITH EACH OTHER USING WALKIE-TALKIES, AND HAVE STOP AND GO SIGNS. THE FLAG PERSONNEL SHALL BE LOCATED AS SHOWN ON THIS SHEET.

**150-ENGINEER'S FIELD OFFICE NOTES**

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE FURNISHED, MAINTAINED, AND REMOVED IN ACCORDANCE WITH ITEM AR150510 "ENGINEER'S FIELD OFFICE" AS STATED ON PAGE 168 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JULY 1, 2004.

THE LOCATION OF THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.

THE ENGINEERING FIRM WILL MAKE PAYMENT FOR ALL LONG DISTANCE TELEPHONE CALLS IN EXCESS OF ONE HUNDRED DOLLARS (\$100.00) PER MONTH.

THE PROPOSED ENGINEER'S FIELD OFFICE WILL BE PAID FOR UNDER ITEMS:  
 AR150510 ENGINEER'S FIELD OFFICE 1 L.S.

**SEQUENCING NOTES**

THE FIRST MAJOR OPERATION WILL BE THE VARIOUS CRACK/PAVEMENT REPAIRS. ONCE THESE ARE COMPLETED TO WITHIN THE 200' SAFETY AREA OF THE NW-SE RUNWAY THE CONTRACTOR WILL CLOSE THAT RUNWAY.

AFTER CLOSING THE NW-SE RUNWAY, THE CONTRACTOR WILL COMPLETE THE PAVEMENT REPAIRS, MILL THE EXISTING PAVEMENT & BUTT JOINTS AND TACK THE EXISTING PAVEMENTS. THE CONTRACTOR WILL PAVE THE PROPOSED POROUS FRICTION COURSE ON ALL PAVEMENTS, TACK THE N-S RUNWAY AND PLACE THE SURFACE ON THIS RUNWAY. THE CONTRACTOR WILL THEN PLACE AND GRADE THE EARTH SHOULDERS WITHIN THE 200' SAFETY AREA ALONG THE N-S RUNWAY. ONCE ALL THESE ITEMS ARE COMPLETED TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT MANAGER, THE NW-SE RUNWAY WILL BE RE-OPENED.

THE CONTRACTOR WILL COMPLETE THE EARTH SHOULDERING, MARKING, SEEDING AND FINISH ANY OUTSTANDING ITEMS TO COMPLETE THE PROJECT. THE CONTRACTOR MAY CLOSE RUNWAY 11-29 TO COMPLETE THE SEEDING AND EXCELSIOR BLANKET ON A DAILY BASIS BUT WILL NOT LEAVE THE RUNWAY CLOSED OVERNIGHT. ONCE ALL WORK AROUND THE N-S RUNWAY IS COMPLETE, IT WILL BE INSPECTED BY THE AIRPORT MANAGER AND RE-OPENED.

**EROSION CONTROL**

THIS PROJECT WILL DISTURB MORE THAN 1 ACRE OF LAND, THEREFORE A N.P.D.E.S. PERMIT WILL BE REQUIRED.

**UTILITY NOTE**

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND AGENCIES WHICH HAVE LINES OR CONDUITS IN THE PROPOSED WORK AREA. ALL LINES AND CONDUITS SHALL BE LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO ACCOMPLISH THE ABOVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL UNDERGROUND NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UNDERGROUND IMPROVEMENTS WILL BE LOCATED AT THE CONTRACTOR'S OWN EXPENSE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

**HEIGHT OF CONSTRUCTION EQUIPMENT**

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 20 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A DUMP TRUCK.

**HAUL ROUTE AND VEHICLE PARKING**

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND PARKING AREA AS SHOWN ON THIS SHEET. THE PROPOSED PARKING AREA WILL BE 200' X 200'. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL GRADE, FERTILIZE, SEED AND MULCH THE HAUL ROUTE AND PARKING AREA AS NEEDED TO RESTORE IT TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**CONTRACTOR RESPONSIBILITIES**

THE CONTRACTOR'S EQUIPMENT PARKING AND STORAGE AREA WILL BE AS SHOWN ON THIS SHEET. THE CONTRACTOR'S EMPLOYEES WILL PARK THEIR VEHICLES IN THIS AREA. ONLY CONTRACTOR VEHICLES WILL BE ALLOWED OUTSIDE THIS AREA.

THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREA AND ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM.

THE CONTRACTOR SHALL KEEP RUNWAY 11-29 OPEN AS MUCH AS POSSIBLE DURING THIS PROJECT. THE CONTRACTOR WILL SCHEDULE HIS OPERATIONS TO PROVIDE ACCESS TO/FROM THE APRON, T-HANGAR AND RUNWAY 11-29 AS MUCH AS POSSIBLE.

ALL WORK PERFORMED SHALL BE DONE IN A ORDERLY AND EFFECTIVE MANNER TO MINIMIZE RUNWAY CLOSURE.

NO TRENCHES OR HOLES WILL REMAIN OPEN OVERNIGHT.

**AIRPORT SECURITY NOTE**

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL CLOSE AND LOCK THE EXISTING GATE IN THE HAUL ROUTE AT THE END OF EACH WORKING DAY.

**CERTIFIED PAYROLLS**

THE RESIDENT ENGINEER CANNOT FORWARD CONSTRUCTIONS REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

**MATERIAL CERTIFICATION**

COMPLETED WORK CANNOT BE PLACED ON A CONSTRUCTION REPORT UNTIL ALL MATERIAL CERTIFICATIONS FOR THAT PAY ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER.

**BARRICADES AND TRAFFIC CONES**

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS DIRECTED BY THE AIRPORT MANAGER. THE BARRICADES WILL BE EQUIPPED WITH RED STEADY-BURN OR FLASHING LIGHTS. THE BARRICADES WILL ALSO REQUIRE STANDARD 20" X 20" ORANGE FLAGS TO BE MOUNTED TO THEM. THE BARRICADES, THEIR MAINTENANCE, PLACEMENT AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**SCOPE OF WORK**

THIS PROJECT CONSISTS OF CONSTRUCTING A BITUMINOUS AND POROUS FRICTION COURSE OVERLAY ON RUNWAY 1-19; APPLYING A POROUS FRICTION COURSE (0.10") TO THE EAST-WEST TAXIWAY, WEST SECTION OF THE AIRCRAFT PARKING APRON AND T-HANGAR ACCESSSES. ASSOCIATED WORK SHALL INCLUDE PAVEMENT REHABILITATION, SHOULDER ADJUSTMENT, MARKING & SEEDING.

BY	
REVISION	
DATE	
<b>EFFINGHAM COUNTY MEMORIAL AIRPORT EFFINGHAM, ILLINOIS</b>	
A.I.P. PROJ.: 3-17-0040-B10	
I.L. PROJ.: 1H2-3688	
I.E. Project No. 80407RWYD 0800 Drawing R-003SFY.DWG Scale 1" = 300' Date 02/28/07	LAYOUT KDM 02/28/07 DRAWN BAK 02/28/07 REVIEWED CAH xx/xx/xx
<b>HANSON</b> Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62705-2996 Offices Nationwide	
<b>RECONSTRUCT RUNWAY 1-19</b>	<b>PROPOSED SAFETY PLAN</b>
<b>3</b>	
3 of 32 sheets	