**DE070 TOTAL SHEETS: 15** 

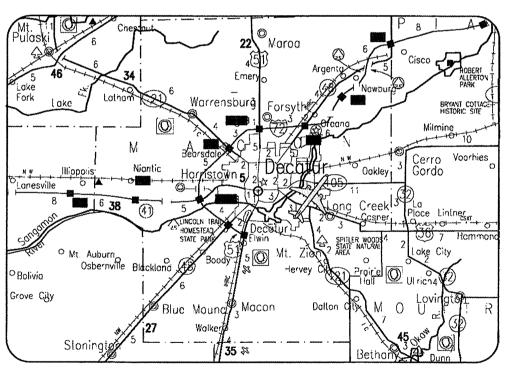
# **CONSTRUCTION PLANS DECATUR AIRPORT**

DECATUR, MACON COUNTY, ILLINOIS **RECONSTRUCT 960 FEET OF RUNWAY 6-24** 

#### SCOPE OF WORK

THIS PROJECT CONSISTS OF THE FOLLOWING:

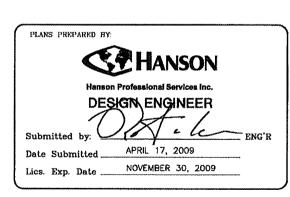
RECONSTRUCTION OF 960 FEET x 150 FEET OF BITUMINOUS PAVEMENT ON RUNWAY 6-24. ASSOCIATED WORK INCLUDES PAVEMENT MILLING, PAVING, RUNWAY PAVEMENT GROOVING AND MARKING.



## **LOCATION**

ILL. PROJ.: DEC-3911 A.I.P. PROJ.: 3-17-0033-2\_ LATITUDE: 39' 50' 05" LONGITUDE: 88' 51' 59" **ELEVATION:** 682.0' M.S.L. APRIL 17, 2009





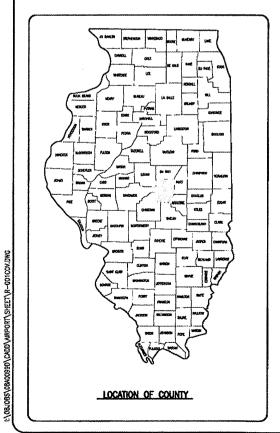








RECONSTRUCT 96 OF RUNWAY 6



|          | SUMMARY OF QUA                  | INTITIES |          |   |
|----------|---------------------------------|----------|----------|---|
| ITEM NO. | DESCRIPTION                     | UNIT     | QUANTITY | AS-BUILT<br>QUANTITY                    |
| AR150510 | ENGINEER'S FIELD OFFICE         | L.S.     | 1        |   |
| AR150530 | TRAFFIC MAINTENANCE             | L.S.     | 1        |   |
| AR150540 | HAUL ROUTE                      | L.S.     | 1        |   |
| AR201661 | CLEAN & SEAL BITUMINOUS CRACKS  | L.F.     | 5,000    |   |
| AR401610 | BITUMINOUS SURFACE COURSE       | TON      | 3,840    |   |
| AR401630 | BITUMINOUS SURFACE TEST SECTION | EACH     | 1        |   |
| AR401640 | BITUMINOUS PAVEMENT GROOVING    | S.Y.     | 13,867   |   |
| AR401650 | BITUMINOUS PAVEMENT MILLING     | S.Y.     | 16,000   |   |
| AR603510 | BITUMINOUS TACK COAT            | GAL.     | 4,000    |   |
| AR620520 | PAVEMENT MARKING-WATERBORNE     | S.F.     | 13,000   |   |
| AR620525 | PAVEMENT MARKING-BLACK BORDER   | S.F.     | 1,440    |   |
|          |                                 |          |          | *************************************** |
|          |                                 |          |          |   |
|          |                                 |          |          |   |
|          |                                 |          |          | *************************************** |
|          |                                 |          |          |   |
|          |                                 |          |          |   |
|          |                                 | -        |          |   |

|           | INDEX TO SHEETS  |   |
|-----------|--|---|
| SHEET NO. | SHEET DESCRIPTION                                      |   |
| 1         | COVER SHEET  |   |
| 2         | SUMMARY OF QUANTITIES AND INDEX TO SHEETS              |   |
| 3         | PROPOSED SAFETY PLAN                                   |   |
| 4         | PROPOSED PAVEMENT PREPARATION PLAN                     |   |
| 5         | PROPOSED CONSTRUCTION PLAN                             |   |
| 6         | EXISTING AND PROPOSED TYPICAL SECTIONS                 |   |
| 7         | PROPOSED PLAN AND PROFILE - STA. 364+00 TO STA. 378+00 |   |
| 8         | PROPOSED MARKING PLAN                                  |   |
| 9         | PROPOSED GROOVING PLAN                                 |   |
| 10        | PROPOSED CROSS-SECTIONS - STA. 365+90 TO STA. 367+00   |   |
| 11        | PROPOSED CROSS-SECTIONS - STA. 367+50 TO STA. 369+00   |   |
| 12        | PROPOSED CROSS-SECTIONS - STA. 369+50 TO STA. 371+00   |   |
| 13        | PROPOSED CROSS-SECTIONS - STA. 371+50 TO STA. 373+00   |   |
| 14        | PROPOSED CROSS-SECTIONS - STA. 373+50 TO STA. 375+00   |   |
| 15        | PROPOSED CROSS-SECTIONS - STA. 375+50                  | , |
|           |  | *************************************** |
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Springfield, Illinote Str750-2886
Www.hanson-inc.com
Offices Nationwide

RECONSTRUCT 960 FEET
OF RUNWAY 6-24
SUMMARY OF QUANTITIES
AND INDEX TO SHEETS

2 of 15 sheets

SCOPE OF WORK
THIS PROJECT CONSISTS OF THE FOLLOWING:

RECONSTRUCTION OF 960 FEET x 150 FEET OF BITUMINOUS PAVEMENT ON RUNWAY 6-24 ASSOCIATED WORK INCLUDES PAVEMENT MILLING, PAVING, RUNWAY PAVEMENT GROOVING AND MARKING.

THE CONTRACTOR IS WORKING WITHIN 200' OF THE RUNWAY CENTERLINE, THE RUNWAY WILL BE CLOSED. THE CONTRACTOR WILL SMOOTH GRADE ALL AREAS WITHIN THE SAFETY AREA TO THE SATISFACTION OF THE RESIDENT ENGINEER AND AIRPORT PRIOR TO REOPENING 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.

THE DECATUR AIRPORT IS TOWER CONTROLLED FROM 6 A.M. TO 10 P.M. AND IS COMPRISED OF THREE (3) RUNWAYS. THE PROPOSED CONSTRUCTION WILL AFFECT RUNWAYS 6-24 AND 12-30. RUNWAY 18-36 WILL NOT REQUIRE CLOSURE. THE SAFETY PLAN AS OUTLINED HERE AND IN THE SPECIAL PROVISIONS WILL MAXIMIZE SAFETY AND ALLOW MINIMUM RUNWAY CLOSURE TIME.

THE CLOSURE OF A RUNWAY WILL REQUIRE THE FOLLOWING:

- PROVIDING THE SPECIFIED ADVANCE NOTIFICATION TO THE AIRPORT DIRECTOR.
- CONFIRMING THE ISSUANCE OF THE NOTAM WITH AIRPORT DIRECTOR AND CONTROL TOWER PRIOR TO STARTING THE ACTUAL CLOSURE.
- PLACING THE 10 FT. X 60 FT. CROSSES OR PORTABLE RUNWAY CLOSURE MARKERS (SEE MARKER NOTE THIS SHEET) AT THE RUNWAY END OR ON THE NUMBERS AS THE SITUATION
- PLACEMENT OF BARRICADES.
- MAINTENANCE OF THE CROSSES AND BARRICADES DURING THE CLOSING PERIOD.

OPENING A RUNWAY WILL REQUIRE THE FOLLOWING:

- THE PAVEMENT WILL BE SWEPT BY A POWER BROOM TO REMOVE ANY AND ALL DEBRIS FROM
- THE AREA WITHIN 200 FEET OF A RUNWAY CENTERLINE MUST BE SMOOTH GRADED WITH A 1% 5% SLOPE AWAY FROM THE PAVEMENT EDGE. THE PAVEMENT EDGE DROP-OFF CAN NOT EXCEED 3 INCHES. NO HOLES OR MOUNDS WILL BE PERMITTED WITHIN THE AREA.
- ALL PERSONNEL AND FOUIPMENT WILL BE OUT OF THE 200 FEET LIMITS.
- ALL RUNWAY AND TAXIWAY LIGHTING CIRCUITS WILL BE OPERATIONAL.
- RUNWAY MARKING, IF OBLITERATED, WILL BE REMARKED.
- THE CLOSED PAVEMENTS WILL BE VISUALLY INSPECTED BY AIRPORT PERSONNEL PRIOR TO OPENING. THE CONTRACTOR WILL MAKE ANY CORRECTIONS REQUIRED AS A RESULT OF THE

THE CONTRACTOR WILL BE REQUIRED TO HAVE A TWO—WAY RADIO, CAPABLE OF BEING IN CONTACT WITH THE CONTROL TOWER, GROUND CONTROL CHANNEL (121.75 MHZ). THIS WILL KEEP THE CONTRACTOR IN CONSTANT CONTACT WITH THE CONTROL TOWER, THUS KEEPING THE CONTROL TOWER INFORMED ON HIS CONSTRUCTION ACTIVITIES AND ENABLE THE CONTROL TOWER TO IMMEDIATELY CONTACT THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE SOME ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.

BARRICADES
IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND BARRIERS
AT THE LOCATIONS SHOWN ON THIS SHEET AND AS DESCRIBED IN THE SPECIAL PROVISIONS.

BARRICADES WILL BE USED IN AREAS OUTSIDE OF THE RUNWAY, AND TRAFFIC CONES WILL BE USED ON THE RUNWAY. THE BARRICADES WILL BE I.D.O.T. TYPE 1, EQUIPPED WITH RED CONTINUOUS OR FLASHING LIGHTS AND EXTENDED 18 INCH SQUARE ORANGE FLAG.

PAYMENT FOR BARRICADES, THEIR PLACEMENT AND REMOVALS AS RUNWAYS AND TAXIWAYS ARE OPENED AND CLOSED, MAINTENANCE, AND REPAIRS WILL BE MADE BY ITEM: AR150530 "TRAFFIC MAINTENANCE" - PER LUMP SUM.

HAUL ROUTE, VEHICLE PARKING AND MATERIAL STORAGE.
THE PROPOSED HAUL ROUTE AND EQUIPMENT PARKING AREA WILL BE AT THE LOCATION SHOWN ON THIS DRAWING. THE CONTRACTOR WILL MAINTAIN THE AREA FOR HAULING MATERIALS TO AND FROM THE SITE, FOR VEHICLE PARKING, AND MATERIAL STORAGE. ANY AREAS DAMAGED OUTSIDE THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

AT THE COMPLETION OF THE PROJECT, THE HAUL ROUTE, ASSOCIATED VEHICLE PARKING, AND MATERIAL STORAGE AREA WILL BE COMPLETEY REMOVED AND THE AREA RESTORED TO THE PRE-CONSTRUCTION CONDITION AND TO THE SATISFACTION OF THE RESIDENT ENGINEER.

THE HAUL ROUTE, INCLUDING PARKING AND STORAGE AREAS SHALL BE CONSIDERED AS ONE UNIT FOR PAYMENT PURPOSES. PAYMENT WILL BE MADE FOR MAINTAINING THE HAUL ROUTES, VEHICLE AND MATERIAL STORAGE AREAS, AND FOR RESTORATION OF THE AREAS AT THE COMPLETION OF THE PROJECT UNDER ITEM:

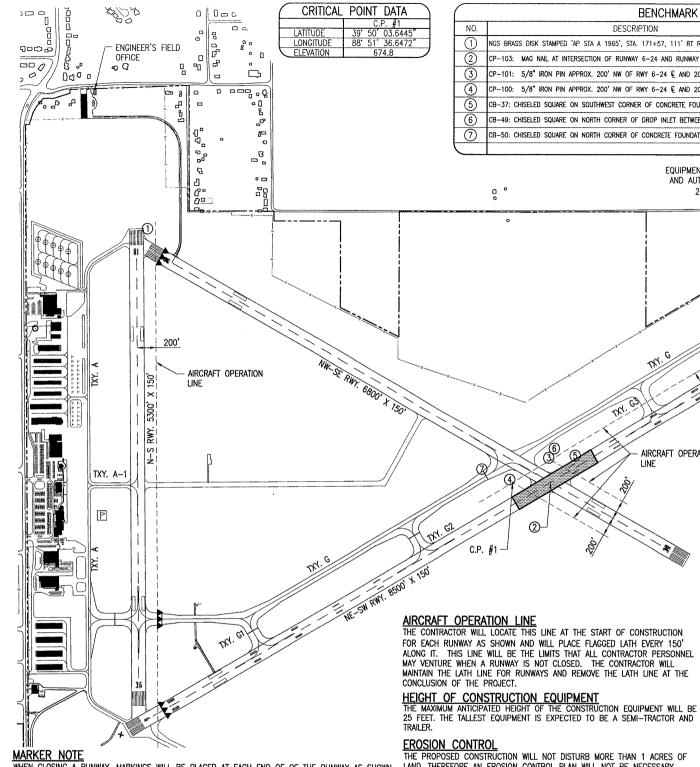
AR150540 "HAUL ROUTE" - PER LUMP SUM.

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

AIRPORT SECURITY SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR AND HIS EMPLOYEES WILL BE RESTRICTED TO THE WORK AREAS. ALL OTHER AREAS OF THE AIRPORT ARE "OFF LIMITS" TO THEM. THE CONTRACTOR WILL MONITOR ACCESS POINTS USED BY CONTRUCTION VEHICLES AND PERSONNEL WHEN IN USE AND WILL CLOSE AND LOCK THE ACCESS POINTS AT THE END OF EACH

THE CONTRACTOR WILL FURNISH ALL OF HIS EMPLOYEES WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THEM AS BEING PART OF THE CONSTRUCTION CREW.

WHEN THE CONTRACTOR'S VEHICLES ARE ON THE AIRPORT SITE THEY SHALL BE PROPERLY MARKED. THE MARKING SHALL CONSIST OF A THREE (3') FOOT SQUARE FLAG CONSISTING OF A CHECKERED PATTERN OF INTERNATIONAL ORANGE AND WHITE SQUARES OF NOT LESS THAN ONE (1') FOOT ON EACH SIDE DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.



MARKER NOTE WHEN CLOSING A RUNWAY, MARKINGS WILL BE PLACED AT EACH END OF OF THE RUNWAY AS SHOWN ON THIS SHEET AND SECURED IN A MANNER APPROVED BY THE RESIDENT ENGINEER. THE PROPOSED MARKINGS WILL BE PLACED EACH DAY THE RUNWAY WILL BE CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR PLACEMENT AND

THE MARKERS ARE DETAILED ON THIS SHEET, SHALL BE YELLOW IN COLOR AND MADE OF A SUITABLE MATERIAL AS APPROVED BY THE RESIDENT ENGINEER.

AS A SUBSTITUTE FOR TWO OF THE FIELD CONSTRUCTED MARKERS, THE DECATUR AIRPORT WILL MAKE AVAILABLE TWO LIGHTED RUNWAY CLOSURE MARKERS FOR CLOSING OF A RUNWAY. THE MARKERS ARE MANUFACTURED BY AN FAA APPROVED SOURCE. THE MARKERS WILL BE PROVIDED TO THE CONTRACTOR AT NO COST, BUT PLACING THEM TO OPEN AND CLOSE A RUNWAY, AND MAINTAINING THEM WILL BE THE CONTRACTOR'S RESPONSIBILITY.

AT THE END OF THE PROJECT, THE CONTRACTOR WILL RETURN TO THE AIRPORT THE CLOSURE MARKERS. THE MARKERS WILL BE RETURNED IN THE SAME CONDITION AS THE CONTRACTOR RECEIVED THEM. ANY REPAIRS BY THE AIRPORT TO RESTORE THE MARKERS WILL BE PAID FOR BY THE

THE COST OF PLACING, REMOVING AND MAINTAINING THE MARKERS WILL BE PAID FOR UNDER ITEM: AR150530 "TRAFFIC MAINTENACE" - PER LUMP SUM.

BENCHMARK DATA

FOUIPMENT STORAGE AND AUTO PARKING

AIRCRAFT OPERATION

200' X 200'

HAUL ROUTE-

NORTHING

156616.250

154005 064

1154236.081

154001.474

EASTING

832440 011

836694.093

836692.099

836294 234

FLFV.

676.19

675.49

669.43

674.91

DESCRIPTION

CP-101: 5/8" IRON PIN APPROX. 200' NW OF RWY 6-24 € AND 200' NE OF RWY 12-30 €

CP-100: 5/8" IRON PIN APPROX. 200' NW OF RWY 6-24 € AND 200' SW OF RWY 12-30 €

CB-37: CHISELED SQUARE ON SOUTHWEST CORNER OF CONCRETE FOUNDATION OF TAXIWAY SIGN

CB-50: CHISELED SQUARE ON NORTH CORNER OF CONCRETE FOUNDATION OF TAXIWAY SIGN

CB-49: CHISELED SQUARE ON NORTH CORNER OF DROP INLET BETWEEN TXY "G" AND RWY 6/24

NGS BRASS DISK STAMPED 'AP STA A 1965', STA, 171+57, 111' RT RUNWAY 18~36

CP-103: MAG NAIL AT INTERSECTION OF RUNWAY 6-24 AND RUNWAY 12-30

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 WORK BEGINS. THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123 OR 811) TO ACCOMPLISH THE ABOVE.

FULL SIZE SCALE: 1"= 500"

HALF SIZE SCALE: 1"= 1000'

THE CONTRACTOR SHALL COORDINATE WITH THE FAA AND AIRPORT STAFF TO LOCATE AIRFIELD UTILITIES NOT OWNED BY THE MUNICIPAL OR PRIVATE UTILITY COMPANIES.

#### J.U.L.I.E. INFORMATION

| COUNTY     | MACON             |       |
|------------|-------------------|-------|
| CITY       | DECATUR           |       |
| TOWNSHIP   | LONG CREEK        |       |
| SECTION NO | 20 & 21           |       |
| ADDRESS    | DECATUR AIRPORT   |       |
|            | AIRPORT ROAD      |       |
|            | DECATUR, ILLINOIS | 62524 |

#### **LEGEND**



1 BENCHMARK/CONTROL POINT

BARRICADES (PLACED WHEN REQUIRED)

S HANS

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DETAIL OF RUNWAY CLOSURE MARKER "NOT TO SCALE"

AIRCRAFT OPERATION LINE

THE CONTRACTOR WILL LOCATE THIS LINE AT THE START OF CONSTRUCTION

LAND, THEREFORE AN EROSION CONTROL PLAN WILL NOT BE NECESSARY.

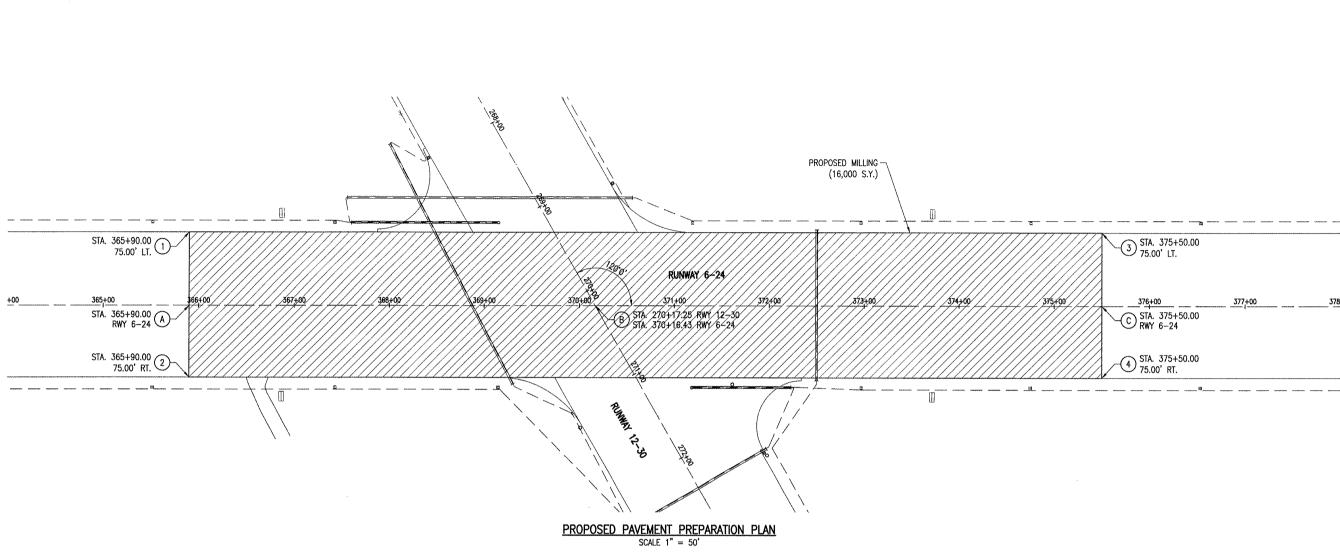
-YELLOW IN COLOR

\* UNLESS OTHERWISE NOTED

THE LOCATION OF THE PROPOSED CONSTRUCTION TRAILER WILL BE AS SHOWN.

-EXISTING RUNWAY

RUNWAY C



| COORDINATE DATA-RUNWAY 6-24 CENTERLINE |           |        |              |             |  |
|--|-----------|--------|--------------|-------------|--|
| ID.                                    | STATION   | OFFSET | NORTHING     | EASTING     |  |
| Α                                      | 365+90.00 | Ę      | 1153787.8834 | 836326.1401 |  |
| В                                      | 370+16.43 | Ę      | 1154004.5051 | 836693.4553 |  |
| С                                      | 375+50.00 | Ę      | 1154275.5489 | 837153.0514 |  |
|  |           |        |              |             |  |
|  |           |        |              |             |  |
|  |           |        |              |             |  |

| NO. | STATION   | OFFSET  | NORTHING     | EASTING     |
|-----|-----------|---------|--------------|-------------|
| 1   | 365+90.00 | 75' LT. | 1153852.4858 | 836288.041  |
| 2   | 365+90.00 | 75' RT. | 1153723.2809 | 836364.2389 |
| 3   | 375+50.00 | 75' LT. | 1154340.1513 | 837114.952  |
| 4   | 375+50.00 | 75' RT. | 1154210.9464 | 837191.150  |

| (        | QUANTITIES                  |      |          |                      |  |  |
|----------|-----------------------------|------|----------|----------------------|--|--|
| ITEM No. | DESCRIPTION                 | UNIT | QUANTITY | as Built<br>Quantity |  |  |
| AR401650 | BITUMINOUS PAVEMENT MILLING | S.Y. | 16,000   |                      |  |  |
|          |                             |      |          |                      |  |  |

#### **BITUMINOUS PAVEMENT MILLING (AR401650)**

THE DESIGNATED MILLING AREAS ON THIS SHEET WILL BE CUT OR TRIMMED A DEPTH OF 4"(±) AS SHOWN ON THE CROSS-SECTIONS TO ALLOW FOR THE 4" OVERLAY TO THE PROPOSED GRADES. THE CUTTING OR TRIMMING WILL BE DONE BY ROTO-MILLING. THE TOLERANCE OF THE MILLING WILL BE AS STATED IN THE SPECIAL PROVISIONS FOR BITUMINOUS SURFACE COURSE, 401-4.14 SURFACE TEST OF STANDARD SPECIFICATIONS.

WHERE THE BITUMINOUS SURFACING MATCHES EXISTING PAVEMENT, THE EXISTING PAVEMENT WILL BE SAWED IF A VERTICAL FACE IS NOT ACHIEVED BY THE MILLING OPERATIONS. SAWING WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE PROPOSED PAVEMENT MILLING AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL MILLED MATERIAL WILL BE DISPOSED OF OFF THE AIRPORT SITE.

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.

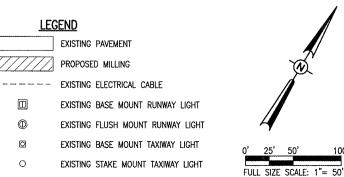
ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.

ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE CONTRACTOR AND VERIFIED BY THE RESIDENT ENGINEER PRIOR TO THE START OF WORK.

ELECTRICAL CABLES ARE PARALLEL TO THE PAVEMENTS WITH 10' TO 15' SEPARATION AND ARE BURIED AT A DEPTH OF APPROXIMATELY 18 INCHES. ALSO, OTHER CABLES ARE BURIED IN THE VICINITY. BEFORE ANY DIGGING OR TRENCHING, ALL CABLES ARE TO BE LOCATED BY THE CONTRACTOR.

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 OR 811. CONTACT AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING AIRPORT CABLES.



EXISTING TAXIWAY GUIDANCE SIGN

HALF SIZE SCALE: 1"= 100"

Project No. 08A009 norme R-111PRP.D le 1" = 50' e 04/17/09

DE070

ILLINOIS

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1525 South Stand Street
Springfeed, Ilmose SCT02-2886
www.hanson-inc.com

CONSTRUCT 960 FI OF RUNWAY 6-24 PROPOSED PAVEMENT PREPARTATION PLAN

PROPOSED CONSTRUCTION PLAN SCALE 1" = 50'

| CC  | COORDINATE DATA-RUNWAY 6-24 CENTERLINE |        |              |             |  |  |
|-----|--|--------|--------------|-------------|--|--|
| ID. | STATION                                | OFFSET | NORTHING     | EASTING     |  |  |
| Α   | 365+90.00                              | ę      | 1153787.8834 | 836326.1401 |  |  |
| В   | 370+16.43                              | Q.     | 1154004.5051 | 836693.4553 |  |  |
| С   | 375+50.00                              | Ę      | 1154275.5489 | 837153.0514 |  |  |
|     |  |        |              |             |  |  |
|     |  |        |              |             |  |  |
|     |  |        |              |             |  |  |

| NO. | STATION   | OFFSET  | NORTHING     | EASTING     |
|-----|-----------|---------|--------------|-------------|
| 1   | 365+90.00 | 75' LT. | 1153852.4858 | 836288.0412 |
| 2   | 365+90.00 | 75' RT. | 1153723.2809 | 836364.2389 |
| 3   | 375+50.00 | 75' LT. | 1154340.1513 | 837114.9526 |
| 4   | 375+50.00 | 75' RT. | 1154210.9464 | 837191.1503 |

| QUANTITIES                       |   |  |   |  |  |
|----------------------------------|---|--|---|--|--|
| DESCRIPTION                      | UNIT  | QUANTITY   | AS BUILT<br>QUANTITY  |  |  |
| CLEAN AND SEAL BITUMINOUS CRACKS | L.F.  | 5,000  |   |  |  |
| BITUMINOUS SURFACE COURSE        | TON   | 3,840  |   |  |  |
| BITUMINOUS SURFACE TEST SECTION  | EACH  | 1  |   |  |  |
| BITUMINOUS TACK COAT             | GAL.  | 4,000  |   |  |  |
|                                  | DESCRIPTION  CLEAN AND SEAL BITUMINOUS CRACKS BITUMINOUS SURFACE COURSE BITUMINOUS SURFACE TEST SECTION | DESCRIPTION UNIT  CLEAN AND SEAL BITUMINOUS CRACKS L.F. BITUMINOUS SURFACE COURSE TON BITUMINOUS SURFACE TEST SECTION EACH | DESCRIPTION UNIT QUANTITY  CLEAN AND SEAL BITUMINOUS CRACKS L.F. 5,000  BITUMINOUS SURFACE COURSE TON 3,840  BITUMINOUS SURFACE TEST SECTION EACH 1 |  |  |

#### **BITUMINOUS SURFACE COURSE NOTES:**

- 1. THE BITUMINOUS MIX FOR THIS PROJECT SHALL COMPLY WITH ITEM AR401004 BITUMINOUS SURFACE COURSE METHOD II, SUPERPAVE AS STATED IN THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- IN TABLE 2 SUPERPAVE DESIGN CRITERIA TRAFFIC MIXTABLE, USE CRITERIA FOR AIRCRAFT OVER 60,000 FOR RUNWAY AND TAXIWAY.

## CLEAN AND SEAL BITUMINOUS CRACKS (AR201661):

A QUANTITY OF BITUMINOUS CRACK CLEANING AND SEALING HAS BEEN INCLUDED IN THE PROJECT SHOULD THE LONGITUDINAL OR TRANSVERSE PAVEMENT JOINTS REQUIRE SEALING. THE RESIDENT ENGINEER WILL IDENTIFY ANY CRACKS TO BE SEALED.

ELECTRICAL CABLES ARE PARALLEL TO THE PAVEMENTS WITH 10' TO 15' SEPARATION AND ARE BURIED AT A DEPTH OF APPROXIMATELY 18 INCHES. ALSO, OTHER CABLES ARE BURIED IN THE VICINITY. BEFORE ANY DIGGING OR TRENCHING, ALL CABLES ARE TO BE LOCATED BY THE CONTRACTOR.

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 COMPLETE. II 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 OR 811. CONTACT AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING AIRPORT CABLES.

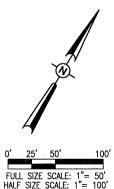
#### **LEGEND**

EXISTING PAVEMENT PROPOSED BITUMINOUS PAVEMENT EXISTING ELECTRICAL CABLE EXISTING BASE MOUNT RUNWAY LIGHT EXISTING FLUSH MOUNT RUNWAY LIGHT

EXISTING BASE MOUNT TAXIWAY LIGHT

EXISTING STAKE MOUNT TAXIWAY LIGHT

EXISTING TAXIWAY GUIDANCE SIGN



DECATUR, ILLINOIS

**DE070** 

HANSON

960 FE

SCONSTRUCT 96 OF RUNWAY 6

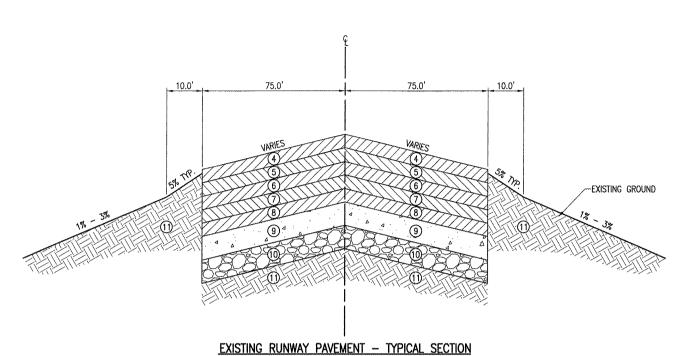
DECATUR, ILLINOIS

HANSON

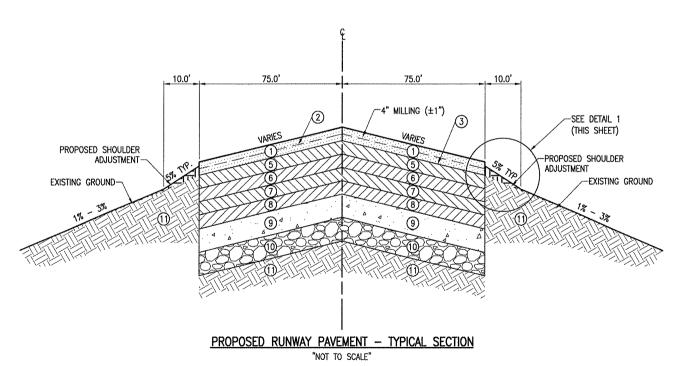
EXISTING AND PROPOSED TYPICAL SECTIONS

RECONSTRUCT 960 FEET OF RUNWAY 6-24

6



"NOT TO SCALE" RUNWAY 6-24 STA. 365+90 TO STA. 375+50

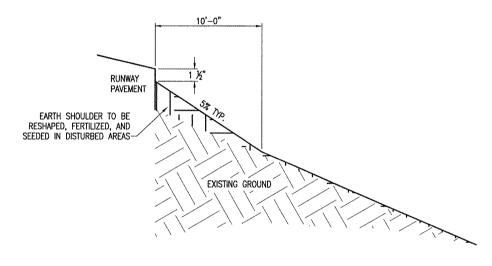


RUNWAY 6-24 STA. 365+90 TO STA. 375+50

#### LEGEND FOR TYPICAL SECTION

- 1) PROPOSED AR401: BITUMINOUS SURFACE COURSE 4" (2 LIFTS)
- (2) PROPOSED AR603: BITUMINOUS TACK COAT (0.05 GAL/SYD)
- (3) PROPOSED AR603: BITUMINOUS TACK COAT (0.20 GAL/SYD)
- (4) EXISTING AR401: BITUMINOUS SURFACE COURSE 4"
- (5) EXISTING AR201: BITUMINOUS BASE COURSE - 2"-3"
- (6) EXISTING AR401: BITUMINOUS SURFACE COURSE - 2"
- (7) EXISTING AR201: BITUMINOUS BASE COURSE - 0"-10" VARIABLE DEPTH
- (8) EXISTING AR401: BITUMINOUS SURFACE COURSE - 4"
- (9) EXISTING AR501: PCC PAVEMENT 9"
- (10) EXISTING AR208: AGGREGATE SUBBASE COURSE - 8"
- 11) EXISTING GROUND

BITUMINOUS MILLING - VARIABLE 3" TO 5"

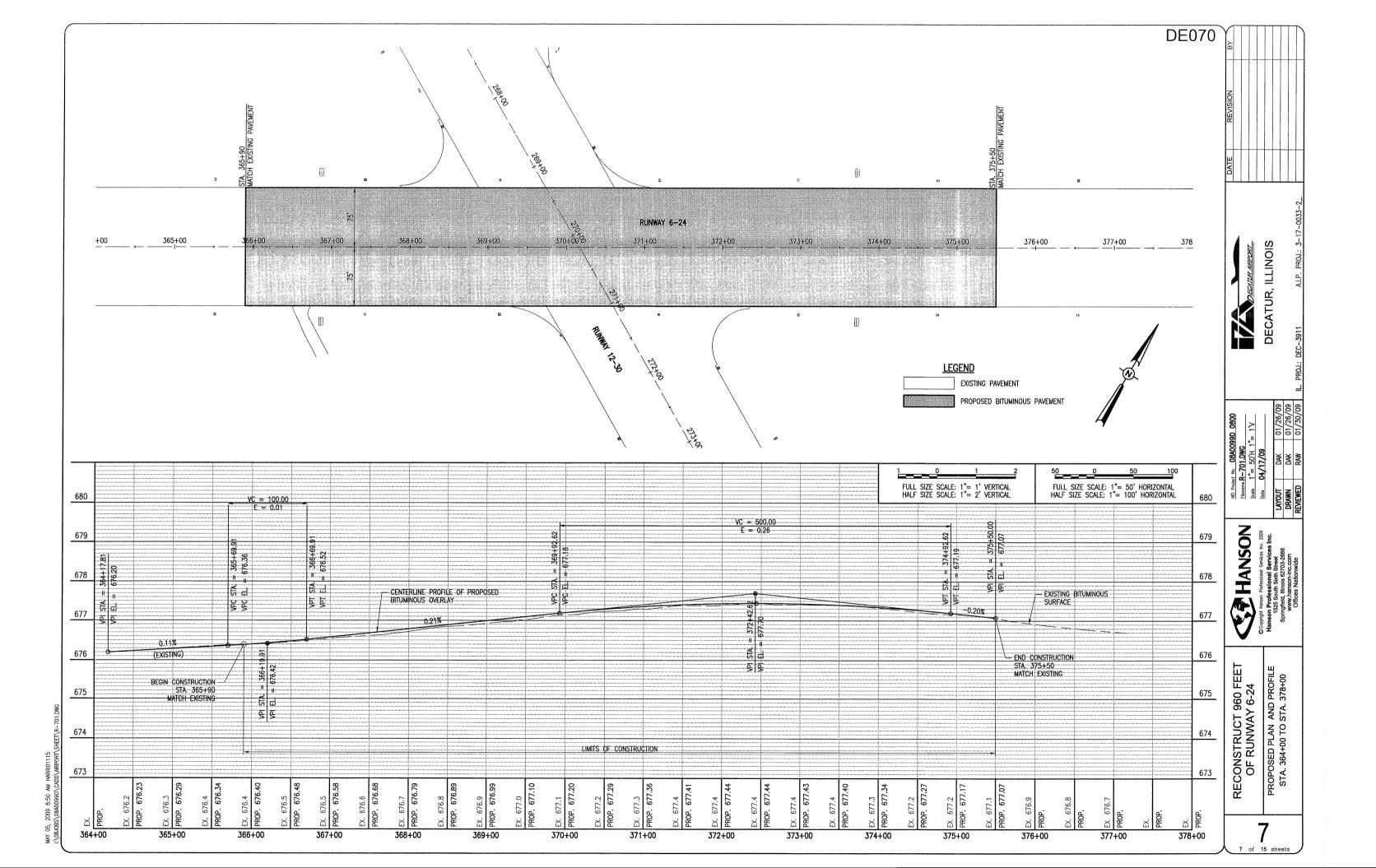


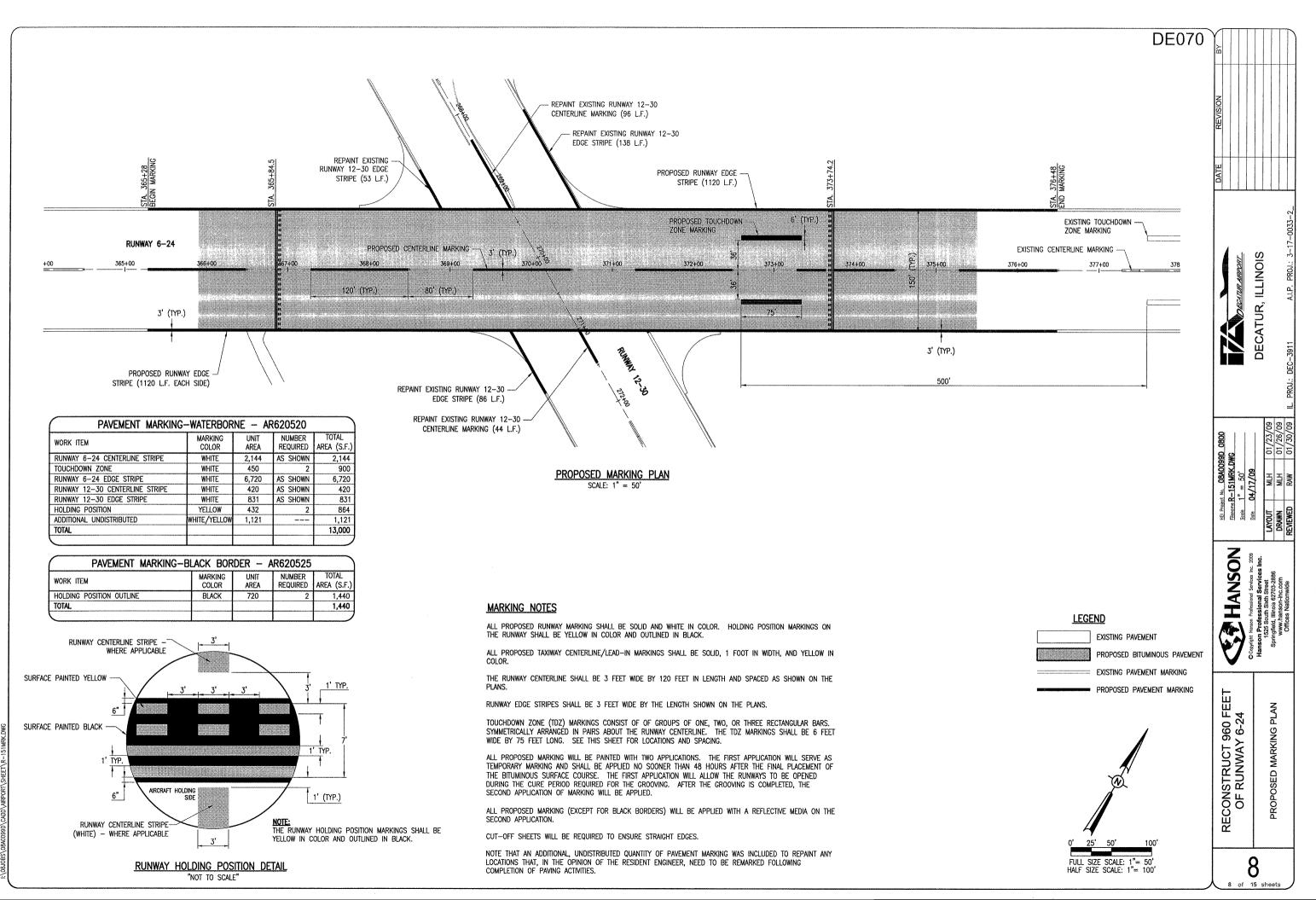
#### DETAIL 1 EARTH SHOULDER

NOTE:
IT IS NOT ANTICIPATED THAT THE EARTH SHOULDERS WILL NEED REGRADING FOLLOWING PAVING OPERATIONS. IF HOWEVER, THE DISTANCE BETWEEN THE PAVEMENT AND THE EXISTING GROUND EXCEEDS 1-1/2" AT PAVEMENT EDGE, THE CONTRACTOR SHALL ADD OR REMOVE MATERIAL AS REQUIRED TO SHAPE THE EARTH SHOULDERS TO CONFORM TO THE EARTH SHOULDER DETAIL. THE CONTRACTOR WILL REGRADE, SEED AND FERTILIZE THE DISTURBED EARTH SHOULDER. FERTILIZING AND SEEDING SHALL BE ACCOMPLISHED IN ACCORDANCE TO SPECIFICATION ITEM AR901510.

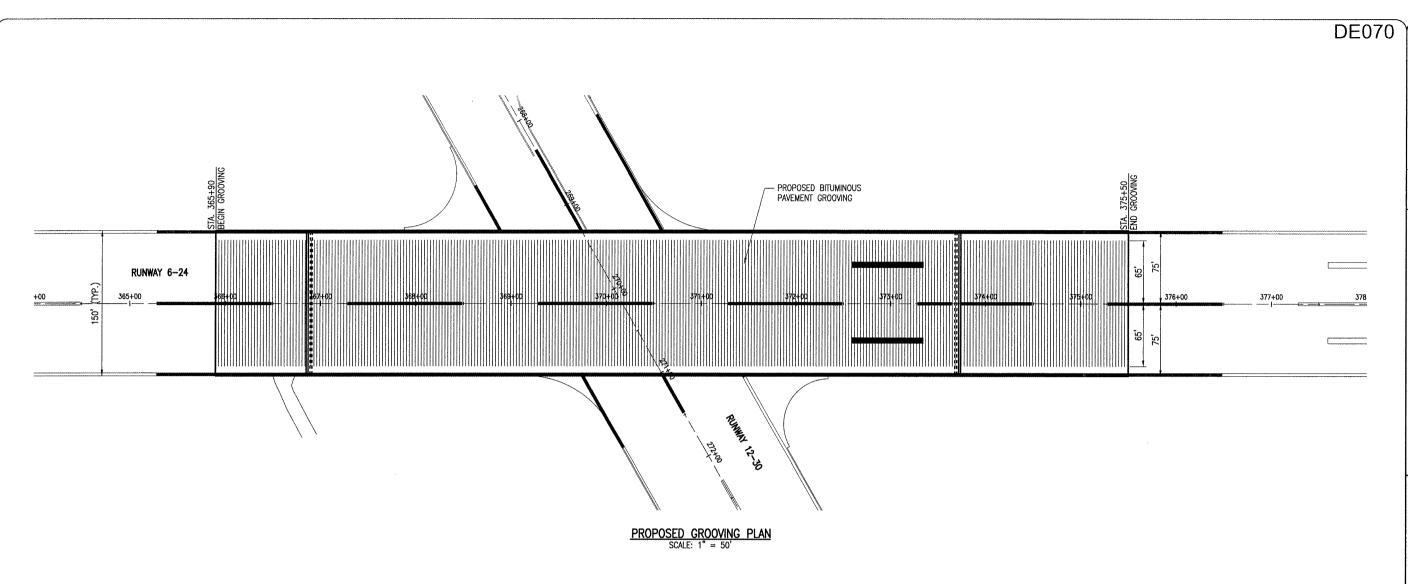
NO ADDDITIONAL PAYMENT FOR THE GRADING AND SEEDING ITEM WILL BE MADE TO THE CONTRACTOR. PAYMENT FOR THE WORK SHALL BE INCLUDED IN THE BID AMOUNT PER TON FOR THE BITUMINOUS SURFACE COURSE.

IN ADDITION, ANY TURF AREAS OUTSIDE THE PROJECT LIMITS DISTURBED BY THE CONTRACTOR WILL BE RESHAPED, FERTILIZED AND SEEDED ACCORDING TO THE ABOVE PARAGRAPH.

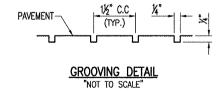




MAY 05, 2009 9:19 AM HARRI01115



|          | PAVEMENT GROOVING - RUNWA    | Y 6-24 |        |
|----------|------------------------------|--------|--------|
| ITEM No. | DESCRIPTION                  | UNIT   | TOTAL  |
| AR401640 | BITUMINOUS PAVEMENT GROOVING | S.Y.   | 13,867 |
|          |                              |        |        |



#### **GROOVING NOTES**

GROOVING WILL NOT COMMENCE UNTIL THE PAVEMENT HAS CURED SUFFICIENTLY THAT IT DOES NOT RAVEL OR SUSTAIN OTHER DAMAGE DURING THE GROOVING OPERATION.

THE PROPOSED GROOVES WILL BE CUT PERPENDICULAR TO THE RUNWAY CENTERLINE AND WILL TERMINATE 10' FROM THE RUNWAY PAVEMENT EDGE.

RUNWAY 6/24 WILL BE GROOVED CONTINUOUSLY FROM STATION 365+90 TO STATION 375+50

THE GROOVES WILL BE 4" WIDE, 4" DEEP, AND PLACED 12" CENTERS.

ALL SOLID MATERIALS GENERATED FROM GROOVING OPERATIONS WILL BE PICKED UP AND HAULED TO A LOCATION OFF THE AIRPORT SITE AT THE CONTRACTOR'S OWN EXPENSE.

NO MATERIAL WHICH IS HARMFUL TO VEGETATION WILL BE FLUSHED FROM THE GROOVED PAVEMENT ONTO THE TURFED SHOULDER, BUT WILL BE PICKED UP AND HAULED TO A LOCATION OFF THE AIRPORT SITE AT THE CONTRACTOR'S OWN EXPENSE.

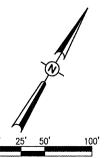
AT THE END OF EACH WORK DAY, THE RUNWAY WILL BE FLUSHED, CLEANED, AND CLEARED OF ALL MATERIAL GENERATED BY THE GROOVING OPERATION.

PAVEMENT GROOVING WILL BE PAID FOR UNDER ITEM: AR401640 "BITUMINOUS PAVEMENT GROOVING" PER S.Y.

### **LEGEND**

EXISTING PAVEMENT

PROPOSED BITUMINOUS PAVEMENT GROOVING



FULL SIZE SCALE: 1"= 50' HALF SIZE SCALE: 1"= 100'

RECONSTRUCT 960 FE OF RUNWAY 6-24

HANSON

GROOVING PLAN

DECATUR, ILLINOIS

DE070 366+00 367+00 676.58 0.00 676.40 0.00 676.10 75.00 LT 675.72 75.00 R DECATUR, ILLINOIS 675.66 75.00 LT -120 -100 -60 -40 -20 -120 -100 -80 -60 -40 -20 HEI Project No. 0840099D 0800 Filename R-DESIGN.DWG Scole 1" = 20'H 1" = 1'Y Date 04/17/09 365+90 366+50 Occopylight Homons Professional Services Inc. 2009
Hanson Professional Services Inc.
1525 South Skith Street
Springfied, Illinose 62703-2886
www.hanson-inc.com
Offices Nationwide RECONSTRUCT 960 FEET OF RUNWAY 6-24 PROPOSED CROSS-SECTIONS STA. 365+90 TO STA. 367+00 EX 676.14 PROP 676.1 X 675.93 ROP 675.9 X 676.18 ROP 676.1 -100 -20 -120 -100 -20 

10 of 15 sheets

DE070 368+00 369+00 679 679 680 676.79 678 679 679 676,08 75,00 RT 676.99 0.00 676,39 75,00 LT 677.01 75.00 LT - MATCH RUNWAY 12-30 PAVEMENT 676.51 75.00 RT DECATUR, ILLINOIS 677 677 678 - MATCH RUNWAY 12-30 PAVEMENT MATCH RUNWAY 12-30 PAVEMENT 0.02% 676 676 677 677 675 675 676 676 675 674 674 675 X 676.39 HEI Project No. 0840099D 0800
Filename R.—DESIGN,DWG
Soule 1" = 20'H 1" = 1'V
Date 04/17/09

LAYOUT DAK 01/26/09

DRAWN DAK 01/26/09

REVIEWED RAW 01/30/09 673 673 674 -120 -100 -80 --60 -40 -20 0 20 40 100 120 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 367+50 368+50 679 679 679 678 678 678 678 — MÁTCH RUNWAY 12-30 PAVEMENT 676.68 0.00 676 28 75.00 RT HANSON O Copyright Heraun Professional Services Inc. 2009
Hanson Professional Services Inc.
1526 South Sithal Street
Springfield, Illinois 62703-2886
www.hanson-inc.com
Offices Nationwide 675,93 677 677 677 677 676 676 676 676 675 675 675 675 674 674 674 674 RECONSTRUCT 960 FEET OF RUNWAY 6-24 PROPOSED CROSS-SECTIONS STA. 367+50 TO STA. 369+00 673 673 673 -100 -60 -40 -20 20 40 60 80 100 -100 -120 -20 100 -120

DE070 370+00 371+00 679 679 676.93 75.00 RT 676,95 75,00 RT 677,27 75,00 LT DECATUR, ILLINOIS 678 678 678 MATCH RUNWAY 12-30 PAVEMENT - MATCH RUNWAY 12-30 PAVEMENT 676.92 75.00 LT MATCH RUNWAY 12—30 PAVEMENT 677 677 677 676 676 675 675 675 674 674 -100 -40 -20 20 40 60 80 100 120 -120 -100 -60 -40 -20 0 20 40 60 80 100 120 HE Project No. 08A0099D 0800 Fleinoma R—DESIGN.DWG Scale 1" = 20'H 1" = 1'V Date 04/17/09 0 369+50 370+50 679 679 679 677.10 0.00 677,21 75,00 LT Occopylith Heaten Professional Services Inc. 2009
Hanson Professional Services Inc. 1525 South Sixth Street
Springfield, Illinois activities
Www.hanson-Inc.com
Offices Nationwide 676.89 75.00 RT MATCH RUNWAY 676.74 - MATCH RUNWAY 12-30 PAVEMENT 678 678 MATCH RUNWAY 12-30 PAVEMENT MATCH RUNWAY 12—30 PAVEMENT 677 677 677 676 676 676 675 675 675 RECONSTRUCT 960 FEET OF RUNWAY 6-24 PROPOSED CROSS-SECTIONS STA. 369+50 TO STA. 371+00 -80 -60 -40 -20 0 20 100 120 -120 -100 -60 -40 -20 0 20 40 60 80 100

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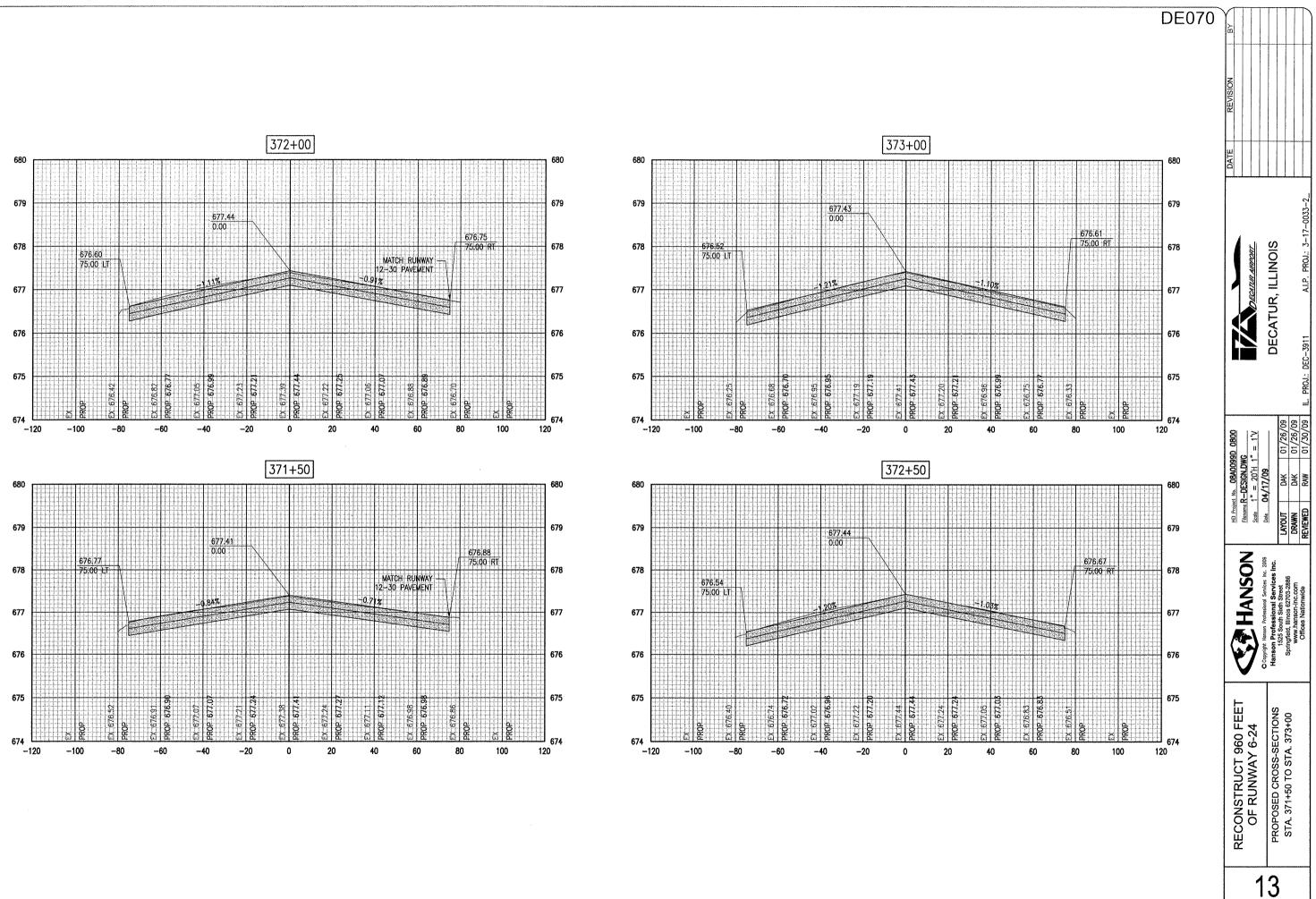
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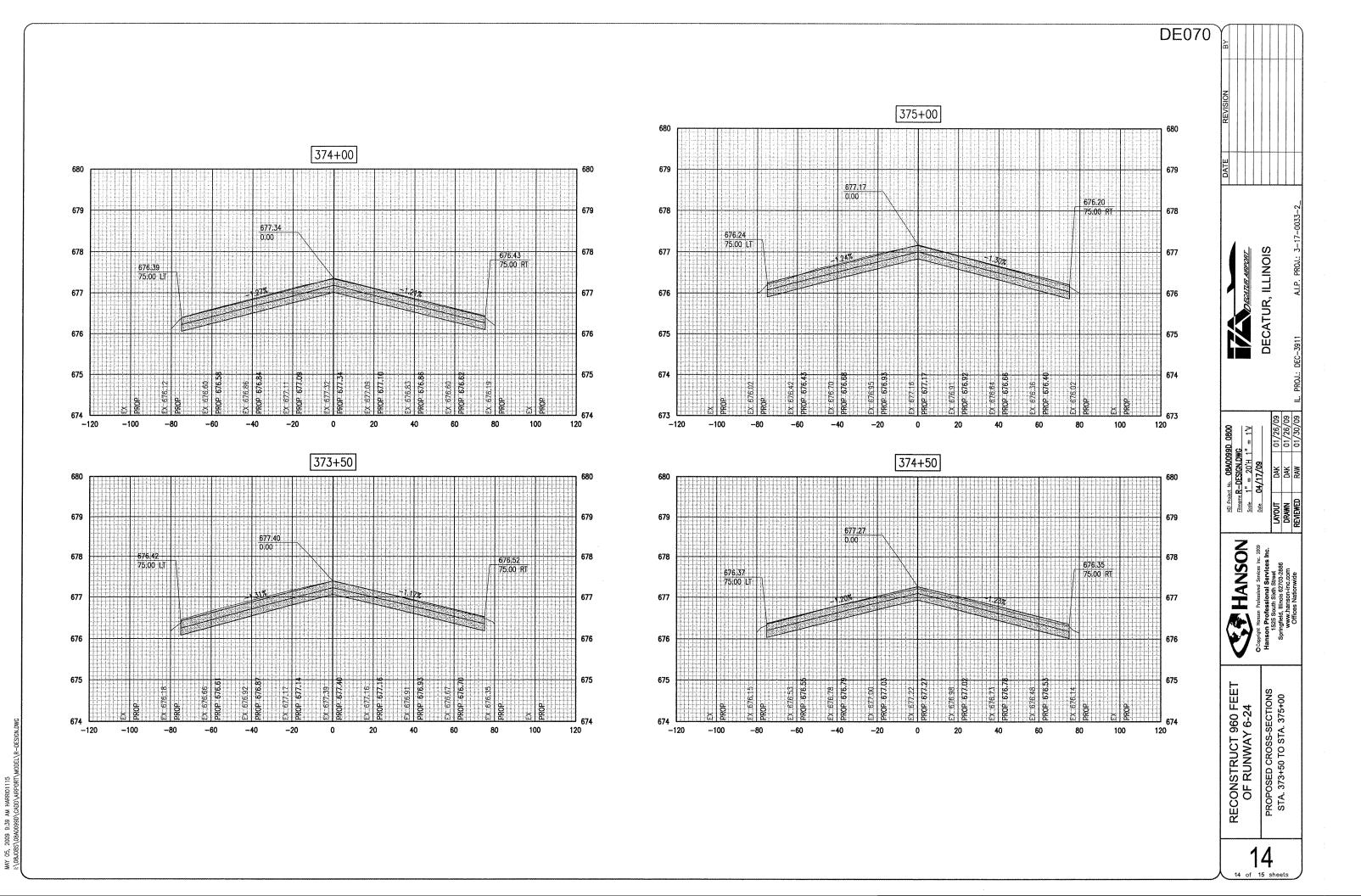
-120

-100

-120

12

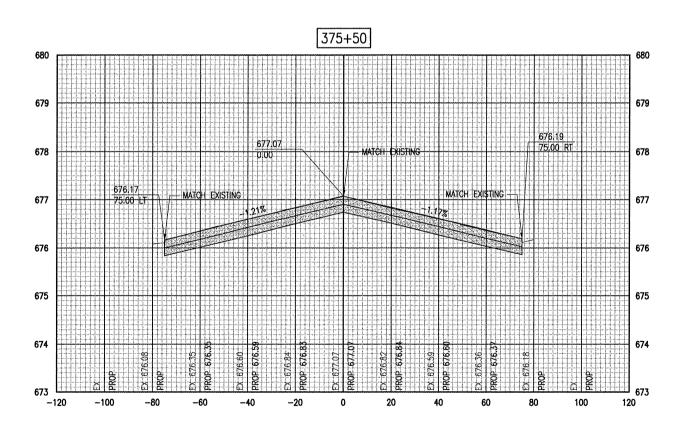




DE070

| BIT. SUF  | RF COL       | IRSE 2ND       | LIFT VOLUME TABLE         |
|-----------|--------------|----------------|---------------------------|
| STATION   | AREA<br>(SF) | VOLUME<br>(CY) | CUMULATIVE VOLUME<br>(CY) |
| 365+90.00 | 25.00        | 0.00           | 0.00                      |
| 366+00,00 | 25.00        | 9.26           | 9.26                      |
| 366+50.00 | 25.00        | 46.30          | 55.56                     |
| 367+00.00 | 25.00        | 46.30          | 101.85                    |
| 367+50.00 | 25.00        | 46.30          | 148.15                    |
| 368+00.00 | 25.00        | 46.30          | 194.44                    |
| 368+50.00 | 25.00        | 46.30          | 240.74                    |
| 369+00.00 | 25.00        | 46.30          | 287.04                    |
| 369+50.00 | 25.00        | 46.30          | 333.33                    |
| 370+00.00 | 25.00        | 46.30          | 379.63                    |
| 370+50.00 | 25.00        | 46.30          | 425.92                    |
| 371+00.00 | 25.00        | 46.30          | 472.22                    |
| 371+50.00 | 25.00        | 46.30          | 518.52                    |
| 372+00.00 | 25.00        | 46.30          | 564.81                    |
| 372+50.00 | 25.00        | 46.30          | 611.11                    |
| 373+00.00 | 25.00        | 46.30          | 657.40                    |
| 373+50.00 | 25.00        | 46.30          | 703.70                    |
| 374+00.00 | 25.00        | 46.30          | 750.00                    |
| 374+50.00 | 25.00        | 46.30          | 796.29                    |
| 375+00.00 | 25.00        | 46.30          | 842.59                    |
| 375+50.00 | 25.00        | 46.30          | 888.888                   |
|           |              |                |                           |

| DIT CITI  |              | IDCE 1CT       | LIET VOLLIME TABLE        |
|-----------|--------------|----------------|---------------------------|
| 611. 501  | TF COC       | 121 JUNE 121   | LIFT VOLUME TABLE         |
| STATION   | AREA<br>(SF) | VOLUME<br>(CY) | CUMULATIVE VOLUME<br>(CY) |
| 365+90.00 | 25.00        | 0.00           | 0.00                      |
| 366+00.00 | 25.00        | 9.26           | 9.26                      |
| 366+50.00 | 25.00        | 46.30          | 55.55                     |
| 367+00.00 | 25.00        | 46.30          | 101.85                    |
| 367+50.00 | 25.00        | 46.30          | 148.15                    |
| 368+00.00 | 25.00        | 46.30          | 194.44                    |
| 368+50.00 | 25.00        | 46.30          | 240.74                    |
| 369+00.00 | 25.00        | 46,30          | 287.03                    |
| 369+50.00 | 25.00        | 46.30          | 333.33                    |
| 370+00.00 | 25.00        | 46,30          | 379.62                    |
| 370+50.00 | 25.00        | 46.30          | 425.92                    |
| 371+00.00 | 25.00        | 46.30          | 472.21                    |
| 371+50.00 | 25.00        | 46.30          | 518.51                    |
| 372+00.00 | 25.00        | 46.30          | 564.80                    |
| 372+50.00 | 25.00        | 46.30          | 611.10                    |
| 373+00.00 | 25.00        | 46.30          | 657.39                    |
| 373+50.00 | 25.00        | 46.30          | 703.69                    |
| 374+00.00 | 25.00        | 46.30          | 749.99                    |
| 374+50.00 | 25.00        | 46.30          | 796.28                    |
| 375+00.00 | 25.00        | 46.30          | 842,58                    |
| 375+50.00 | 25,00        | 46.30          | 888.87                    |



DECATUR, ILLINOIS

HEI Protect No. 08400990 0800
Flename R—DESIGN.DWG
Scale 1" = 20'H 1" = 1"V
Date 04/17/09

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PROPOSED CROSS-SECTIONS
STA. 375+50

15 15 of 15 sheets