

# CITY OF FREEPORT FREEPORT, ILLINOIS

## CONSTRUCTION PLANS FOR FREEPORT - ALBERTUS AIRPORT

### AIRFIELD PAVEMENT REPAIRS

FINAL SUBMITTAL

ILLINOIS PROJECT: FEP-3129  
AIP PROJECT: 3-17-0045-B20

JUNE 9, 2006

#### INDEX TO SHEETS

1. COVER SHEET (CVR1)
2. SUMMARY OF QUANTITIES (SUM1)
3. SITE PLAN AND PROJECT CONTROL (SPL1)
4. SEQUENCE OF CONSTRUCTION PLAN, NOTES AND DETAILS - 1 (SEQ1)
5. SEQUENCE OF CONSTRUCTION PLAN, NOTES AND DETAILS - 2 (SEQ2)
6. STAGE 1: TAXIWAY "D" AND TERMINAL APRON REPAIR PLAN (STG1)
7. STAGE 2: TAXIWAYS "E" AND "A" EAST REPAIR PLAN (STG2)
8. STAGE 3: T-HANGAR PAVEMENTS REPAIR PLAN (STG3)
9. MISCELLANEOUS DETAILS -1 (DTL1)



FREEPORT - ALBERTUS AIRPORT  
FREEPORT, ILLINOIS

FREEPORT-ALBERTUS AIRPORT

APPROVED BY \_\_\_\_\_  
HONORABLE GEORGE W. GAULRAPP, MAYOR

DATE \_\_\_\_\_ JUNE 9, 2006

#### DESIGN INFORMATION

DESIGN AIRCRAFT APPROACH CATEGORY D  
DESIGN AIRCRAFT GROUP 2

TOWNSHIP: 26 N RANGE: 8 E TOWNSHIP: SILVER CREEK  
SECTION: 21 STEPHENSON COUNTY  
MAX. EQUIPMENT HT.: 25 FT.

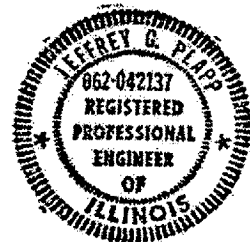


CALL J.U.I.E  
BEFORE EXCAVATING  
1-800-892-0123

Illinois Professional Engineering Practice Act of 1989



Springfield, Illinois  
Aurora, Illinois  
Rockford, Illinois  
St. Louis, Mo.

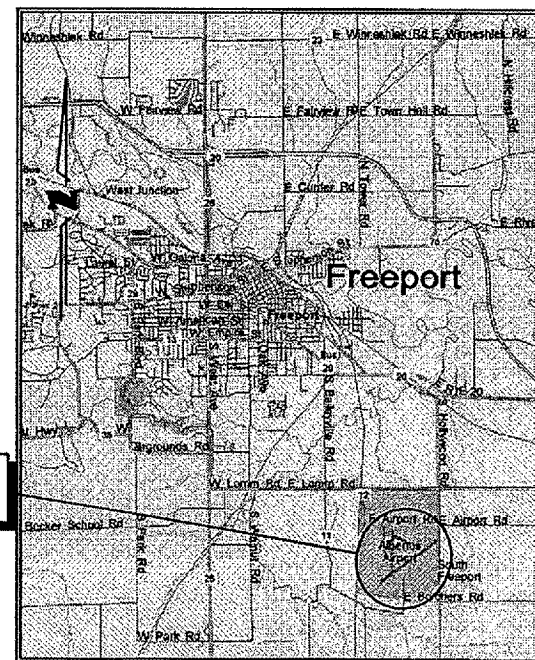


SUBMITTED BY \_\_\_\_\_  
JEFFREY G. PLAPP, P.E.

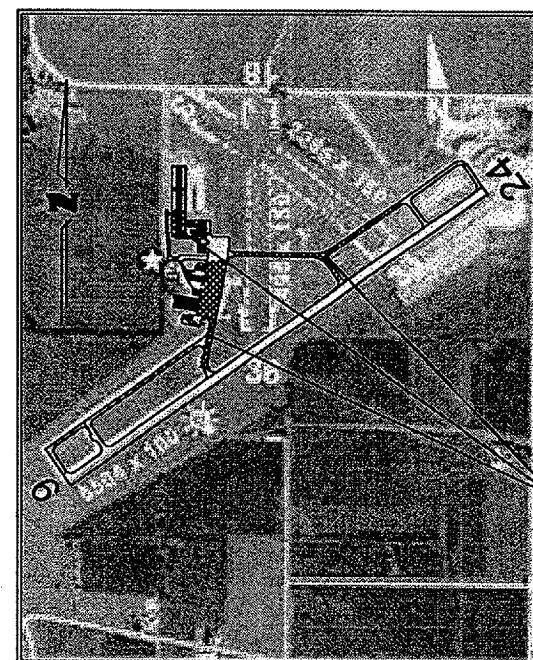
DATE \_\_\_\_\_ JUNE 9, 2006

license expires 11-30-2007

PROJECT  
LOCATION



LOCATION MAP



PROJECT  
LOCATION

SITE PLAN

# SUMMARY OF QUANTITIES

FR037



| SEQ NO | ITEM NO  | DESCRIPTION                            | UNIT | Stage 1  |             | Stage 2  |          | Stage 3       | Total               |                 |
|--------|----------|----------------------------------------|------|----------|-------------|----------|----------|---------------|---------------------|-----------------|
|        |          |                                        |      | TXY D    | TERM. APRON | TXY E    | TXY A    | T-HANGAR AREA | TOTAL EST. QUANTITY | RECORD QUANTITY |
|        |          |                                        |      | F/S/L    | F/L         | F/L      | F/L      | F/L           |                     |                 |
| 1      | AR201670 | CRACK CONTROL FABRIC                   | SY   | 2,223.00 |             |          |          |               | 2,223.00            |                 |
| 2      | AR401610 | BITUMINOUS SURFACE COURSE              | TON  | 265.00   |             |          |          |               | 265.00              |                 |
| 3      | AR401655 | BUTT JOINT CONSTRUCTION                | SY   | 580.00   |             |          |          |               | 580.00              |                 |
| 4      | AR401910 | REMOVE & REPLACE BIT. PAVEMENT         | SY   | 56.00    | 534.00      | 213.00   | 232.00   | 212.00        | 1,247.00            |                 |
| 5      | AR603510 | BITUMINOUS TACK COAT                   | GAL  | 330.00   |             |          |          |               | 330.00              |                 |
| 6      | AR620520 | PAVEMENT MARKING-WATERBORNE            | SF   | 610.00   | 940.00      | 1,355.00 | 1,332.00 | 963.00        | 5,200.00            |                 |
| 7      | AR620525 | PAVEMENT MARKING-BLACK BORDER          | SF   | 860.00   | 940.00      | 1,755.00 | 1,732.00 | 963.00        | 6,250.00            |                 |
| 8      | AR800820 | REM. & REPL. BIT. PVMNT. (PART. DEPTH) | SY   |          | 50.00       |          |          | 60.00         | 110.00              |                 |

F/S/L (95% Federal, 2.5% State, 2.5% Local)  
F/L (95% Federal, 5% Local)

Freight, Illinois  
City of Freight  
AIP: 3-17-0045-B20  
FEP-3129  
Airfield Pavement  
Repairs

Revisions

| No. | Date | Description |
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0 1  
THIS BAR IS EQUAL TO 1"  
AT FULL SCALE (17 X 11).

DESIGN BY: CMT- RFD  
DRAWN BY: CMT- RFD  
CHECKED BY: CMT- RFD  
APPROVED BY: JGP  
DATE: 6.9.2006  
JOB No: 06294-02-00

**SUMMARY OF QUANTITIES (SUM1)**









FR037



Freeport, Illinois  
 City of Freeport  
 AIP: 3-17-0045-B20  
 FEP-3129  
 Airfield Pavement Repairs

Revisions

| No. | Date | Description |
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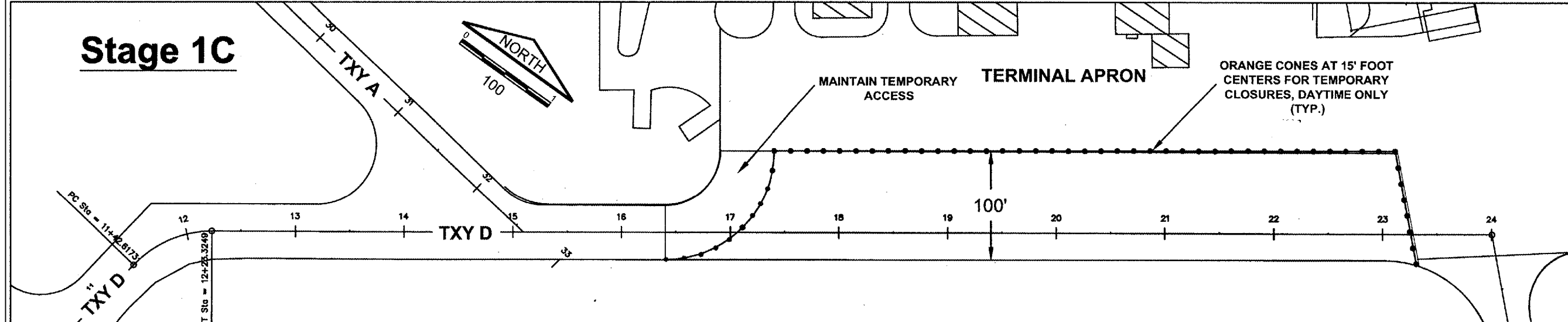
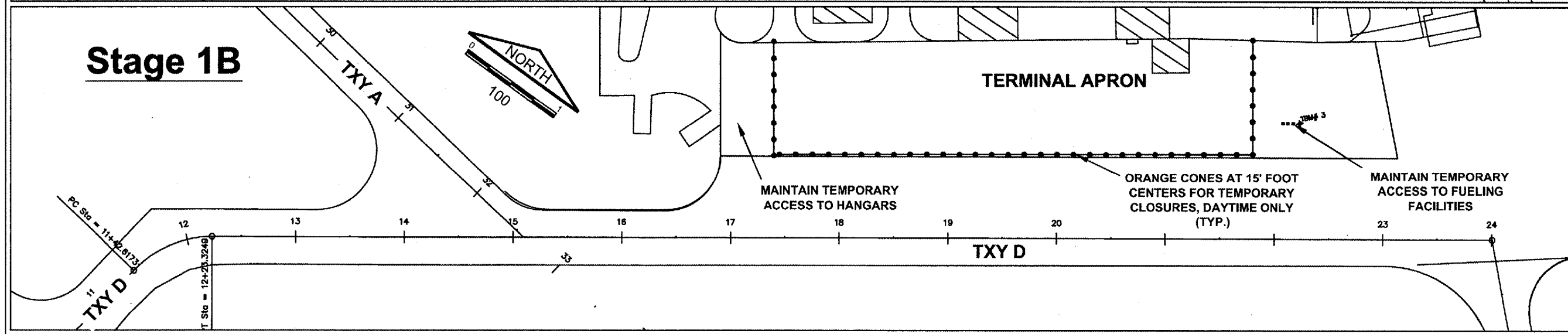
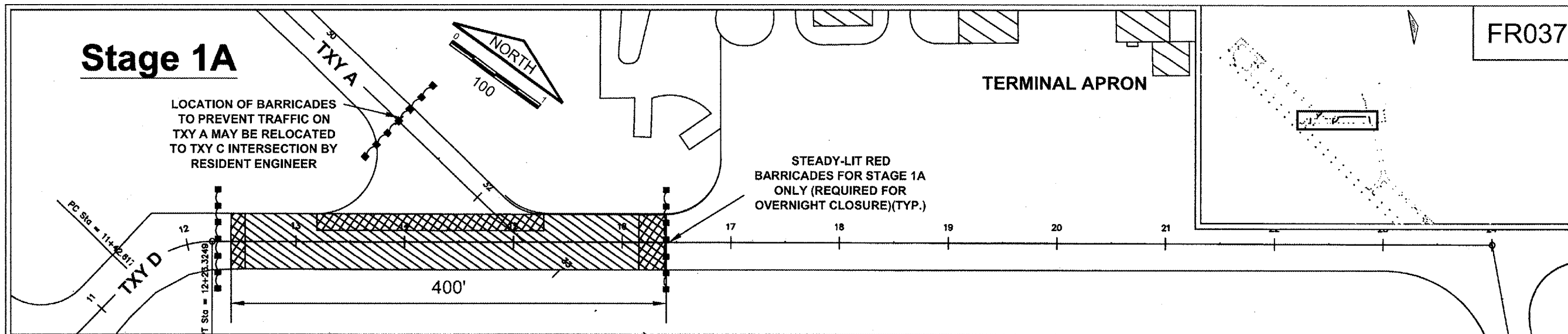
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**STAGE 1:  
 TAXIWAY "D" AND  
 TERMINAL APRON  
 REPAIR PLAN  
 (STG1)**

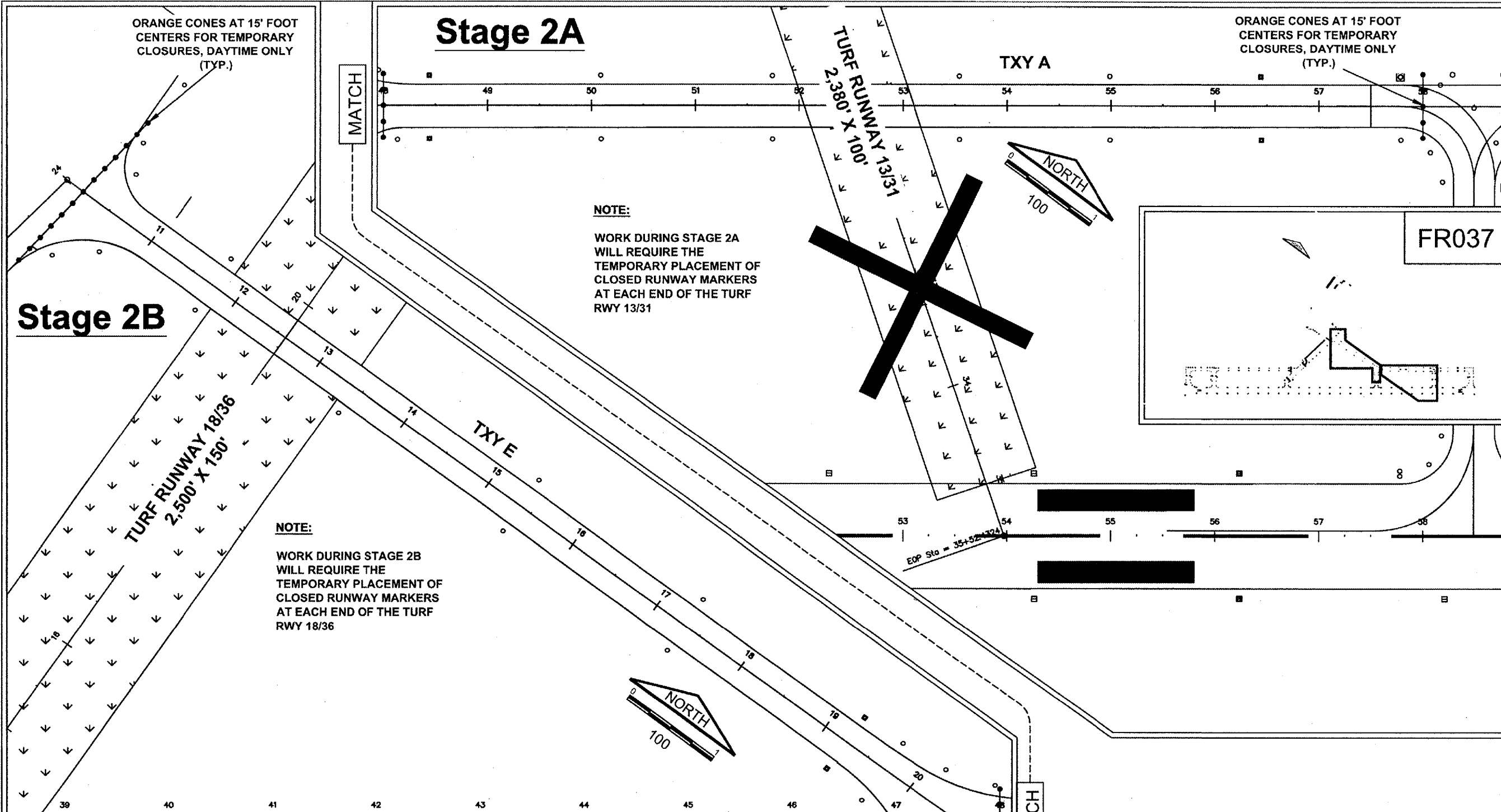
6

SHEET 6 OF 9 SHEETS



- AIRFIELD PAVEMENT REPAIR AREA INCLUDING FULL-DEPTH AND PARTIAL DEPTH BITUMINOUS REMOVAL AND REPLACEMENTS, LOCATIONS AS DETERMINED BY THE R.E.  
 APPROX. BIT. PVMT. THICKNESSES:  
 STAGE 1A: 10"  
 STAGE 1B: 8"  
 STAGE 1C: 10"
- NEW 2" BITUMINOUS OVERLAY ON CRACK CONTROL FABRIC AND TACK COAT
- NEW 0" - 2" BUTT JOINT CONSTRUCTION

**STAGE 1: TAXIWAY "D" AND  
 TERM. APRON REPAIR PLAN**



ORANGE CONES AT 15' FOOT CENTERS FOR TEMPORARY CLOSURES, DAYTIME ONLY (TYP.)


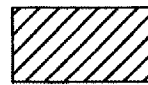
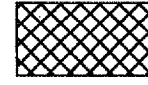
ORANGE CONES AT 15' FOOT CENTERS FOR TEMPORARY CLOSURES, DAYTIME ONLY (TYP.)

### Stage 2A

### Stage 2B

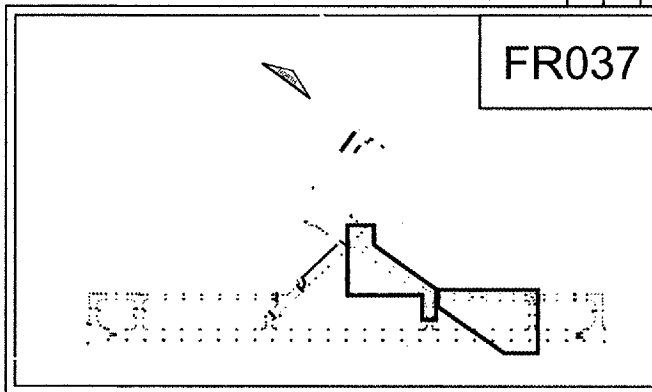
**NOTE:**  
WORK DURING STAGE 2A WILL REQUIRE THE TEMPORARY PLACEMENT OF CLOSED RUNWAY MARKERS AT EACH END OF THE TURF RWY 13/31

**NOTE:**  
WORK DURING STAGE 2B WILL REQUIRE THE TEMPORARY PLACEMENT OF CLOSED RUNWAY MARKERS AT EACH END OF THE TURF RWY 18/36

-  AIRFIELD PAVEMENT REPAIR AREA INCLUDING FULL-DEPTH AND PARTIAL DEPTH BITUMINOUS REMOVAL AND REPLACEMENTS, LOCATIONS AS DETERMINED BY THE R.E.  
**APPROX. BIT. PVMT. THICKNESSES:**  
STAGE 2A AND 2B: 8"
-  NEW 2" BITUMINOUS OVERLAY ON CRACK CONTROL FABRIC AND TACK COAT
-  NEW 0" - 2" BUTT JOINT CONSTRUCTION



FR037



Freeport, Illinois  
City of Freeport  
AIP: 3-17-0045-B20  
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| Revisions |      |             |
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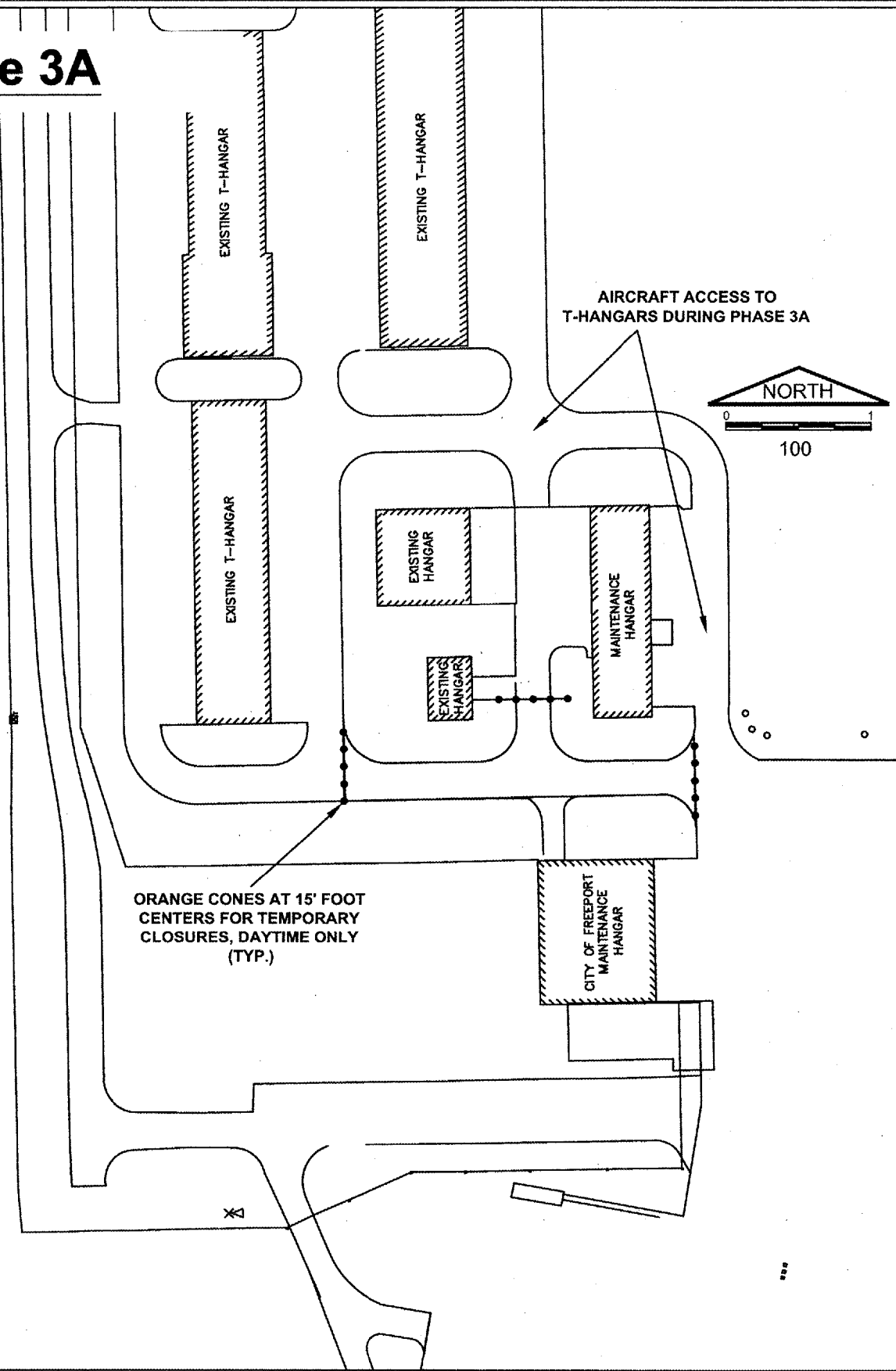
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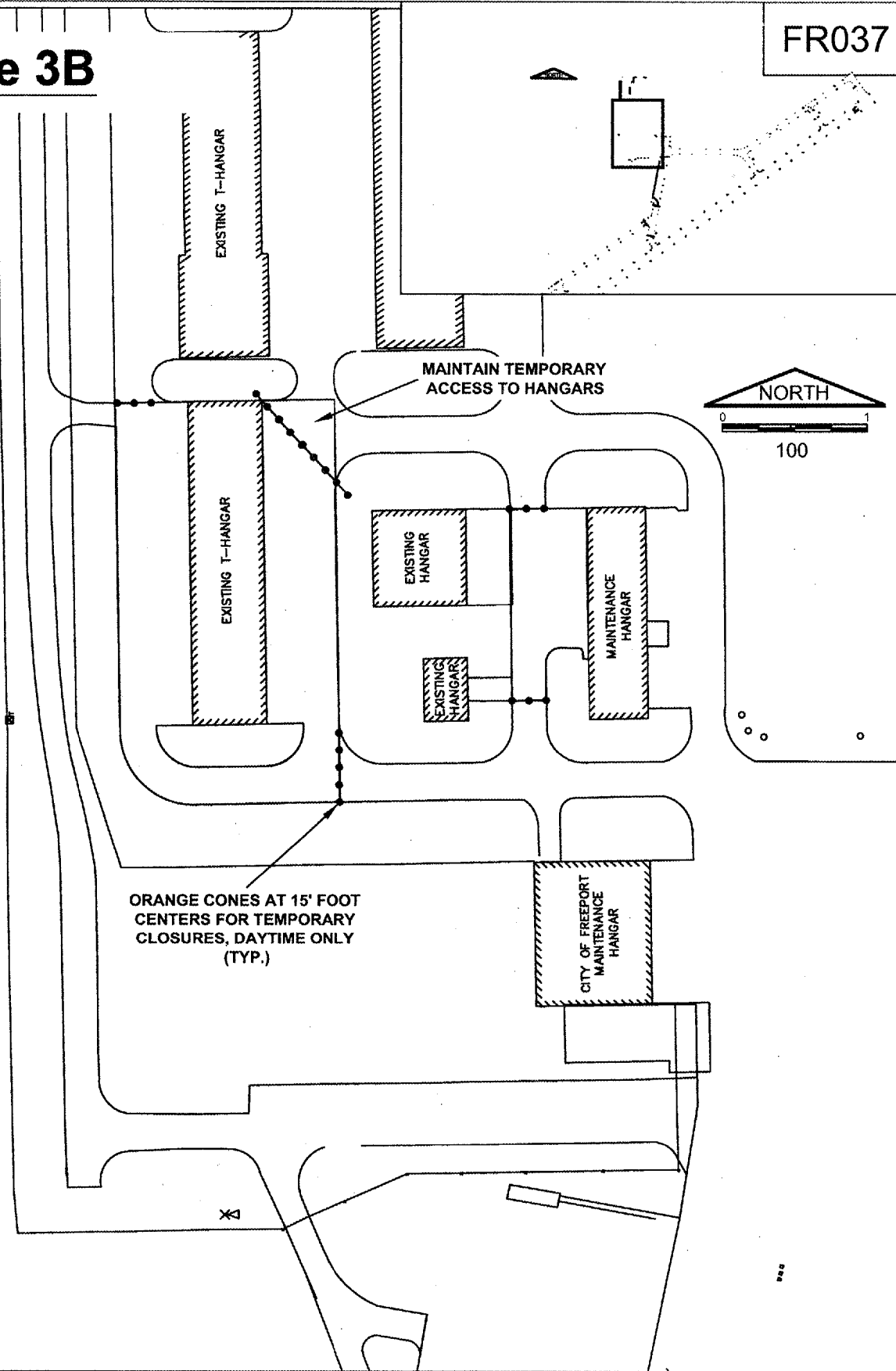
## STAGE 2: TAXIWAYS "E" AND "A" EAST REPAIR PLAN

### STAGE 2: TAXIWAYS "E" AND "A" EAST REPAIR PLAN (STG2)

# Stage 3A



# Stage 3B



Freepoint, Illinois  
 City of Freepoint  
 AIP: 3-17-0045-B20  
 FEP-3129  
 Airfield Pavement Repairs

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|                                                                                                                                                                                                          |                                                                        |                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------|
| <p>AIRFIELD PAVEMENT REPAIR AREA INCLUDING FULL-DEPTH AND PARTIAL DEPTH BITUMINOUS REMOVAL AND REPLACEMENTS, LOCATIONS AS DETERMINED BY THE R.E. APPROX. BIT. PVMT. THICKNESSES: STAGE 3A AND 3B: 4"</p> | <p>NEW 2" BITUMINOUS OVERLAY ON CRACK CONTROL FABRIC AND TACK COAT</p> | <p>NEW 0" - 2" BUTT JOINT CONSTRUCTION</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------|

## STAGE 3: T-HANGAR PAVEMENTS REPAIR PLAN



FR037

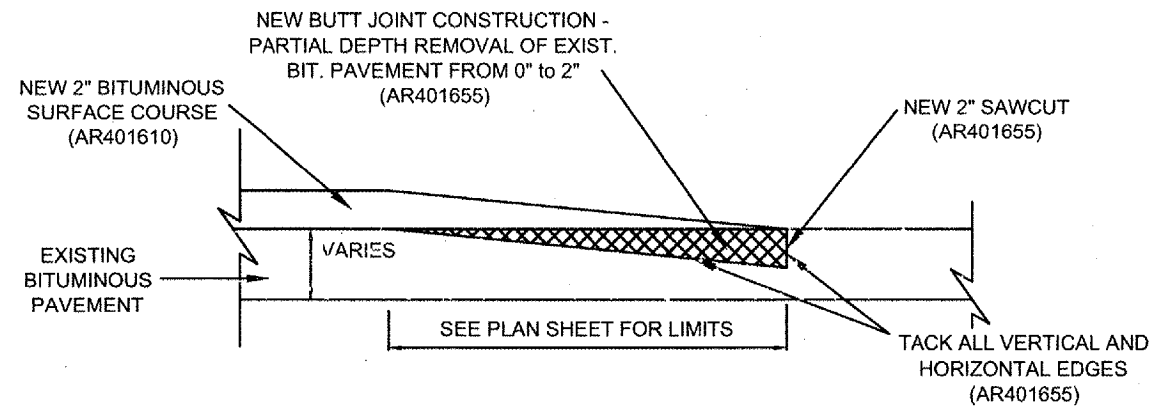


Freeport, Illinois

City of Freeport

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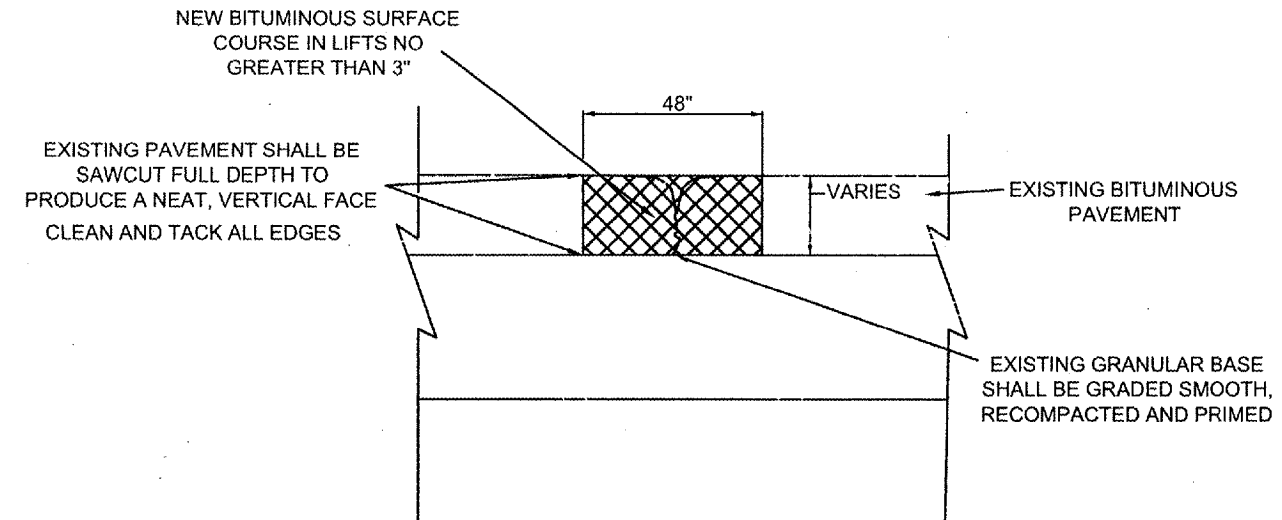
Airfield Pavement  
Repairs



**AR401655 BUTT JOINT CONSTRUCTION**

NO SCALE

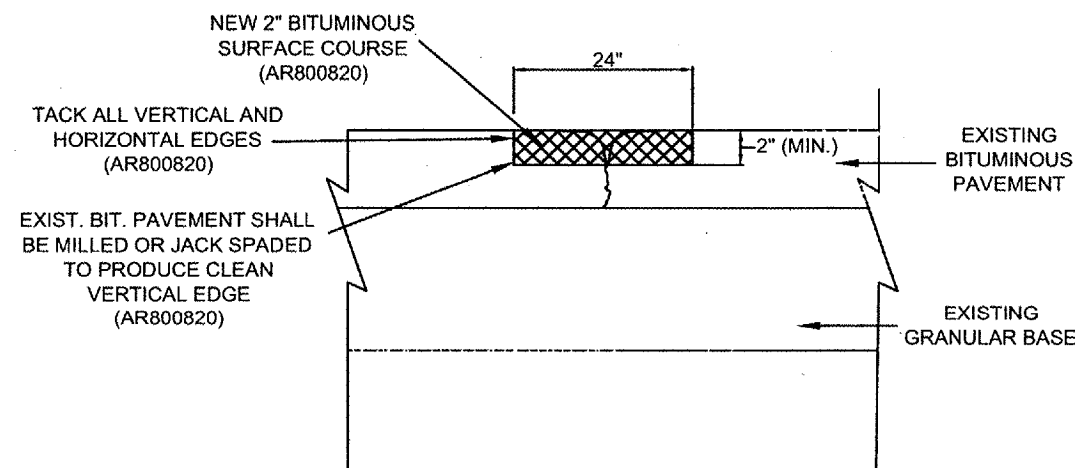
(SAWCUTTING, REMOVAL AND DISPOSAL OF EXIST. PAVEMENT; TACKING VERTICAL AND HORIZONTAL EDGES SHALL BE INCIDENTAL TO THIS ITEM)



**AR401910 REMOVE & REPLACE BIT. PAVEMENT**

NO SCALE

(SAWCUTTING, REMOVAL AND DISPOSAL OF EXIST. PAVEMENT; REGRADING AND RECOMPACTING OF EXIST. BASE; TACKING VERTICAL EDGES, PRIMING BASE, PLACING AND COMPACTING SURFACE COURSE SHALL BE INCIDENTAL TO THIS ITEM)

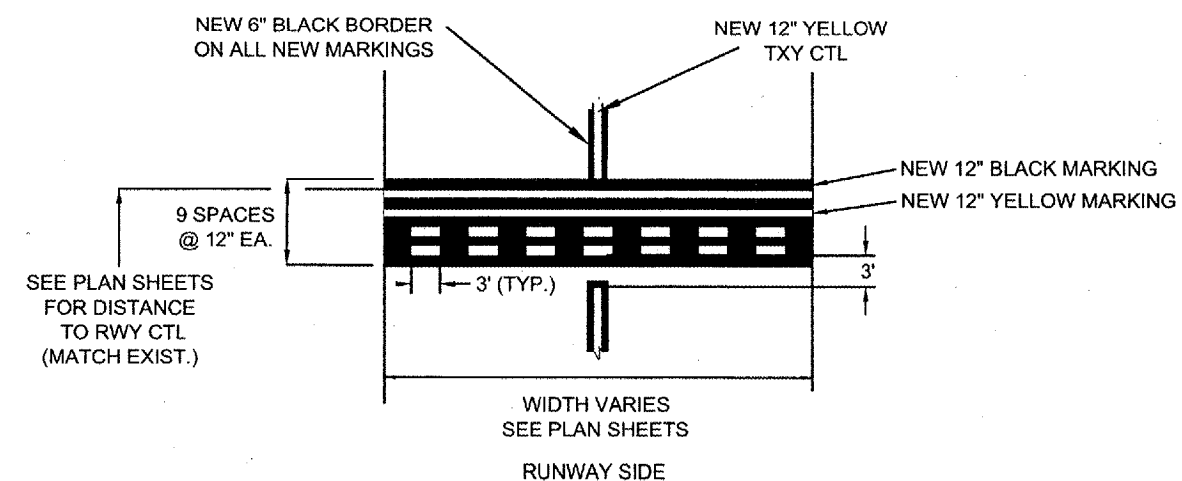


**AR800820 REM. & REPL. BIT. PVMNT. (PARTIAL DEPTH)**

NO SCALE

(SAWCUTTING, REMOVAL AND DISPOSAL OF EXIST. PAVEMENT; TACKING VERTICAL AND HORIZONTAL SURFACES; PLACING AND COMPACTING SURFACE COURSE SHALL BE INCIDENTAL TO THIS ITEM)

AIRCRAFT HOLDING SIDE



**RUNWAY HOLDING POSITION MARKING**

NO SCALE

NOTE: ALL TAXIWAY AND APRON MARKINGS SHALL BE REPLACED WITHIN THE PROJECT WORK LIMITS SHOWN.

**MISCELLANEOUS DETAILS -1**

Revisions

| No. | Date | Description |
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MISCELLANEOUS  
DETAILS - 1  
(DTL1)

9

SHEET 9 OF 9 SHEETS