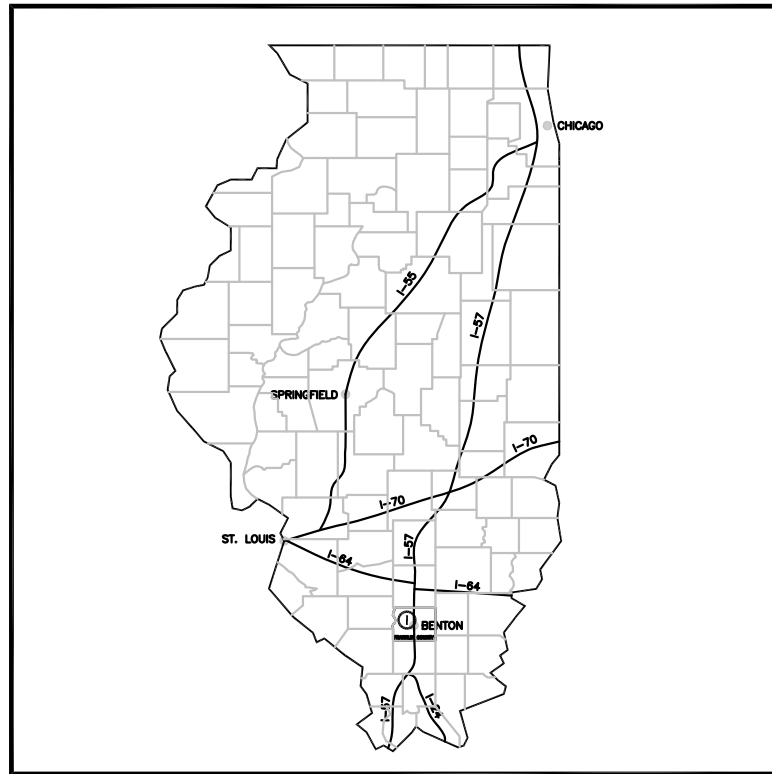


# CONSTRUCTION PLANS

## FOR

# BENTON MUNICIPAL AIRPORT

### PAVEMENT MARKING ON RUNWAY 18/36



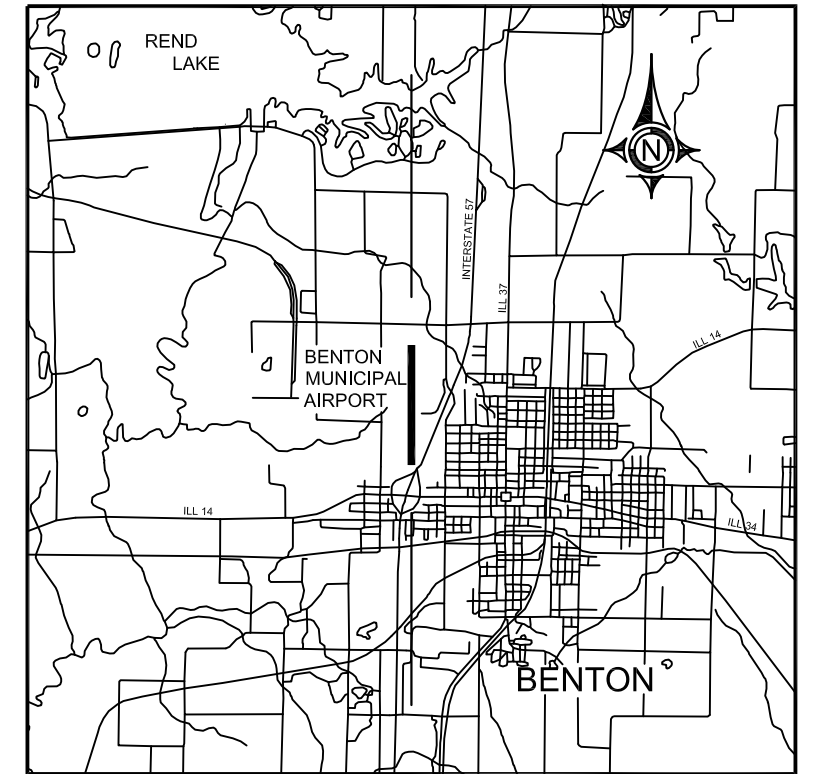
LOCATION MAP

ILLINOIS PROJECT NUMBER: H96-3772

AIP PROJECT NUMBER: 3-17-0005-B12

BENTON, ILLINOIS

DATE: JANUARY 29, 2010



VICINITY MAP

BROWN AND ROBERTS, INC.  
CONSULTING ENGINEERS  
PRESIDENT

SUBMITTED BY: *J.W. Brown*  
J.W. BROWN, AS PRESIDENT

DATE SUBMITTED: JANUARY 29, 2010

LISC. NUMBER: 184-002518

LISC. EXP. DATE: APRIL 30, 2011

PLANS PREPARED BY:



BROWN AND ROBERTS, INC.  
1 WEST RIDGE ROAD  
HARRISBURG, IL. 62946  
(618) 252-8111

BENTON MUNICIPAL AIRPORT  
CHAIRMAN

APPROVED BY: *Michael J. Wyant* CHAIRMAN  
MICHAEL J. WYANT

DATE: JANUARY 29, 2010

## SUMMARY OF QUANTITIES

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	31,000
AR620525	PAVEMENT MARKING - BLACK BORDER	S.F.	7,500

## INDEX TO SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	SUMMARY OF QUANTITIES
3	RUNWAY SAFETY PLAN
4-6	PLAN VIEWS
7	PAVEMENT MARKING SCHEDULES & DETAILS

**SCOPE OF WORK**

THE PROJECT SCOPE CONSISTS OF NEW MARKINGS ON RUNWAYS AND OTHER NECESSARY AND RELATED WORK.

**PROPOSED SAFETY PLAN**

GENERAL- THE BENTON MUNICIPAL AIRPORT CURRENTLY HAS A PAVED NORTH-SOUTH RUNWAY (4000-FT BY 75-FT).

PROJECT CONSTRUCTION SHALL BE STAGED TO MINIMIZE THE FREQUENCY OF CLOSURES OF THE EXISTING RUNWAY.

**CONTRACTOR'S RESPONSIBILITIES**

IDENTIFICATION- THE CONTRACTOR'S VEHICLES AND EQUIPMENT SHALL BE PROPERLY MARKED WITH 3-FOOT SQUARE INTERNATIONAL ORANGE AND WHITE CHECKERED FLAGS ANYTIME THEY ARE ON AIRPORT PROPERTY.

THE CONTRACTOR AND HIS EMPLOYEES SHALL BE RESTRICTED TO THE WORK AREA.

EQUIPMENT PARKING AND STORAGE- THE CONTRACTOR'S EQUIPMENT PARKING, STORAGE, AND EMPLOYEE PARKING WILL BE AT THE LOCATION SHOWN ON THIS SHEET. ONLY CONTRACTOR VEHICLES AND EQUIPMENT REQUIRED FOR CONSTRUCTION WILL BE ALLOWED OUTSIDE THIS AREA.

BARRICADES AND TRAFFIC CONES- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE AND MAINTAIN BARRICADES AND TRAFFIC CONES AS REQUIRED AND AS DIRECTED BY THE RESIDENT ENGINEER. BARRICADES, THEIR MAINTENANCE, PLACEMENT, AND REMOVAL WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR WILL NOT BE ALLOWED ON ANY AIRPORT PAVEMENT. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING PAVEMENTS CAUSED BY HIS PERSONNEL OR EQUIPMENT.

**HAUL ROUTE AND EQUIPMENT PARKING**

THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING AREA SHOWN ON THIS SAFETY PLAN. THE PROPOSED EQUIPMENT PARKING AREA WILL BE APPROXIMATELY 100-FT BY 200-FT. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND PARKING AREA THROUGHOUT THE COURSE OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, ALL AREAS DISTURBED WILL BE RESTORED AS NEEDED TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND EQUIPMENT PARKING AREA WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**UTILITY NOTE**

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND ORGANIZATIONS THAT 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 SHALL CALL JULIE (1-800-892-0123) TO ACCOMPLISH THESE REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL NON-JULIE UTILITIES LOCATED WITHIN THE PROPOSED CONSTRUCTION LIMITS. THESE UTILITIES ARE TO BE LOCATED PRIOR TO THE START OF CONSTRUCTION.

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

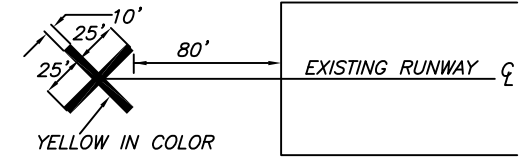
COUNTY.....FRANKLIN  
 CITY.....BENTON  
 TOWNSHIP.....BROWNING  
 SECTION NO.....12 & 13  
 NEAREST MAJOR ROAD INTERSECTION...RT 37 PETROFF RD.  
 AIRPORT ADDRESS...BENTON MUNICIPAL AIRPORT  
 P.O. BOX 158  
 BENTON, IL. 62812

**AIRPORT SECURITY**

AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. THE PROPOSED HAUL ROUTE SHOWN ON THIS SAFETY PLAN IS THE ONLY ACCESS CONTRACTOR EQUIPMENT AND PERSONNEL WILL BE ALLOWED TO USE. THE CONTRACTOR SHALL PROVIDE BARRICADES AT THIS ACCESS AND ENSURE THE BARRICADES ARE IN PLACE AT THE END OF EACH WORKING DAY.

**AIRCRAFT OPERATIONAL AREA**

THE CONTRACTOR, HIS EMPLOYEES, OR ANY EQUIPMENT WILL NOT PROCEED WITH ANY WORK WITHIN THE AIRCRAFT OPERATIONAL AREA WITHOUT FIRST CLOSING THE RUNWAY.



**DETAIL OF CROSS FOR CLOSED RUNWAY**  
 "NOT TO SCALE"

**NOTE:**

THE 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 RESIDENT ENGINEER. THE CROSSES WILL BE PLACED AT THE ENDS OF THE RUNWAY AND SECURED IN A MANNER APPROVED BY THE RESIDENT ENGINEER. THE PROPOSED CROSSES WILL BE PLACED WHEN THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES AT NO ADDITIONAL COST TO THE CONTRACT.

**RUNWAY CLOSURE PROCEDURES:**

- \* CONTACT THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- \* ISSUANCE OF NOTAM BY THE AIRPORT MANAGER OR HIS ASSIGNED REPRESENTATIVE.
- \* PLACEMENT OF CROSSES (SEE DETAIL THIS SHEET).
- \* PLACEMENT OF LIGHTED BARRICADES. ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS WITHIN 200-FT OF THE AFFECTED RUNWAY CENTERLINE AND WITHIN 600 FT OF THE RUNWAY END BEGIN.
- \* RUNWAY LIGHTS SHALL BE DISABLED

**RUNWAY RE-OPENING PROCEDURES:**

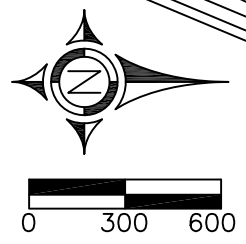
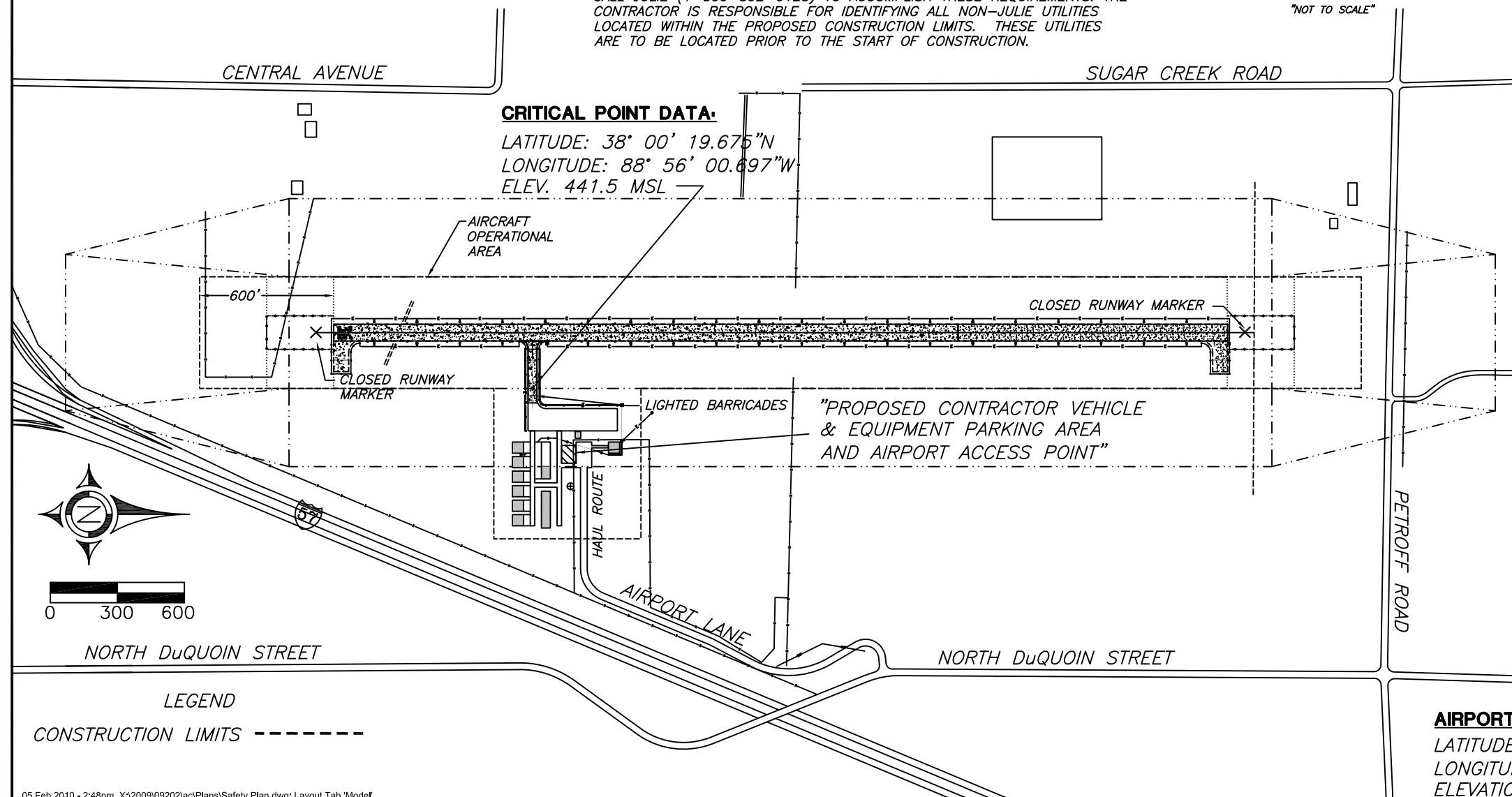
- \* REMOVE CROSSES.
- \* REMOVE LIGHTED BARRICADES.
- \* NOTIFY THE AIRPORT MANAGER OR HIS REPRESENTATIVE TO CANCEL THE NOTAM.
- \* CANCELLATION OF THE NOTAM. A CLOSED RUNWAY WILL NOT BE RE-OPENED UNTIL ALL EQUIPMENT AND WORK ARE FURTHER THAN 200 FT. FROM THE AFFECTED RUNWAY CENTERLINE
- \* RUNWAY LIGHTS SHALL BE REACTIVATED.

**HEIGHT OF CONSTRUCTION EQUIPMENT**

THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT IS 15 FEET. THE TALLEST EQUIPMENT IS EXPECTED TO BE A PAVEMENT STRIPING SEMI-TRUCK.

**CRITICAL POINT DATA:**

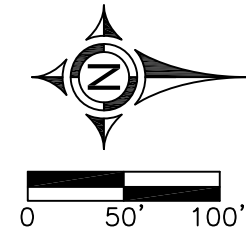
LATITUDE: 38° 00' 19.675"N  
 LONGITUDE: 88° 56' 00.697"W  
 ELEV. 441.5 MSL



**LEGEND**  
 CONSTRUCTION LIMITS - - - - -

**AIRPORT REFERENCE POINT:**

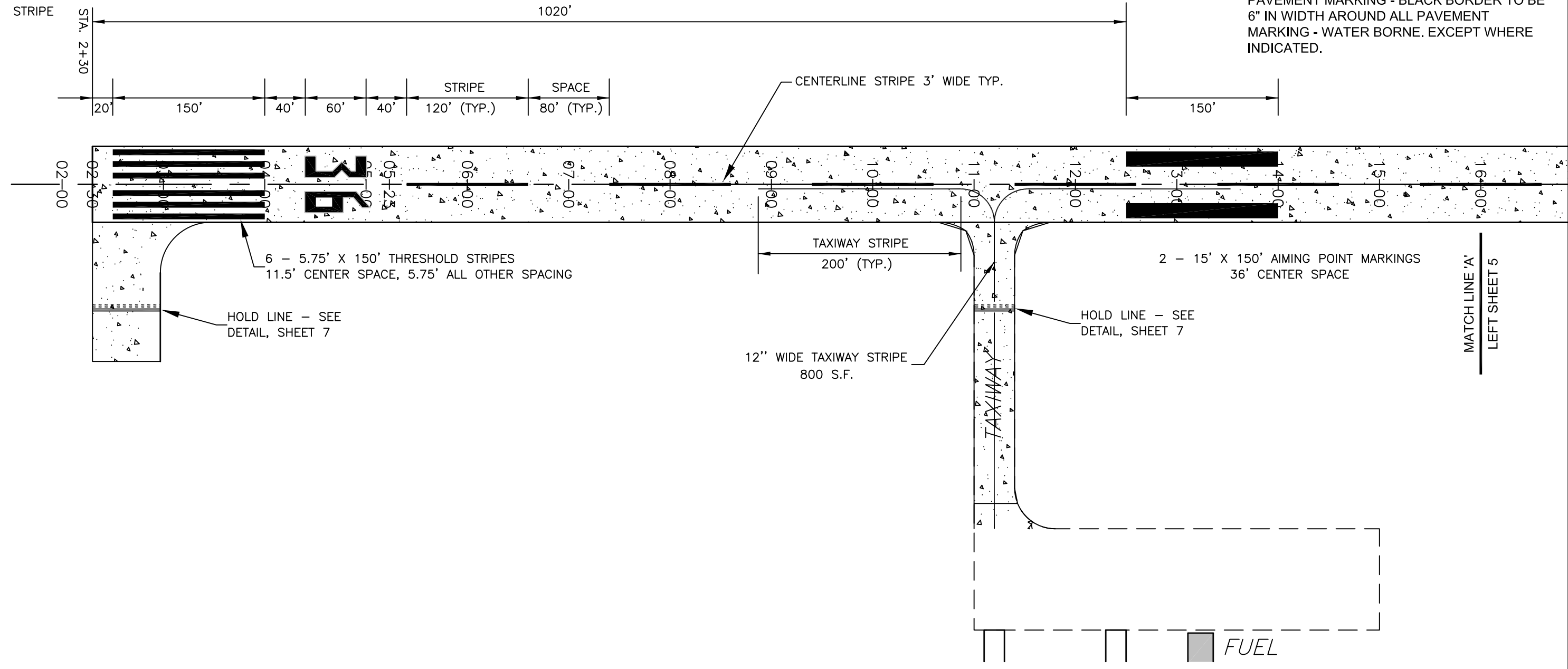
LATITUDE: 38° 00' 24.334"N  
 LONGITUDE: 88° 56' 03.910"LN  
 ELEVATION: 444 MSL

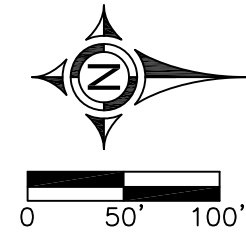


BENTON MUNICIPAL AIRPORT  
 IL PROJ NO. H96-3772  
 AIP NO. 3-17-0005-B12  
 PLAN VIEW  
 SHEET 4 OF 7

**BN014**

NOTE:  
 PAVEMENT MARKING - BLACK BORDER TO BE 6" IN WIDTH AROUND ALL PAVEMENT MARKING - WATER BORNE. EXCEPT WHERE INDICATED.

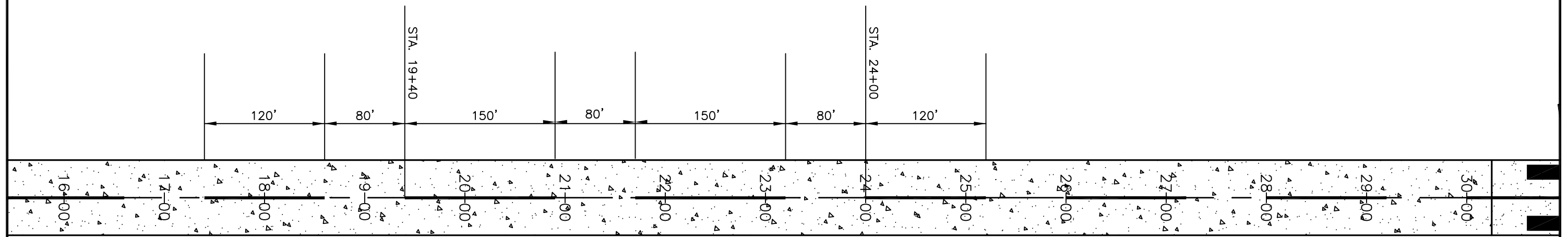




BENTON MUNICIPAL AIRPORT  
IL PROJ NO. H96-3772  
AIP NO. 3-17-0005-B12  
PLAN VIEW  
SHEET 5 OF 7

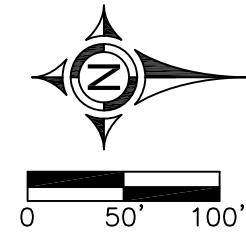
BN014

NOTE:  
PAVEMENT MARKING - BLACK BORDER TO BE  
6" IN WIDTH AROUND ALL PAVEMENT  
MARKING - WATER BORNE. EXCEPT WHERE  
INDICATED.



MATCH LINE 'A'  
RIGHT SHEET 4

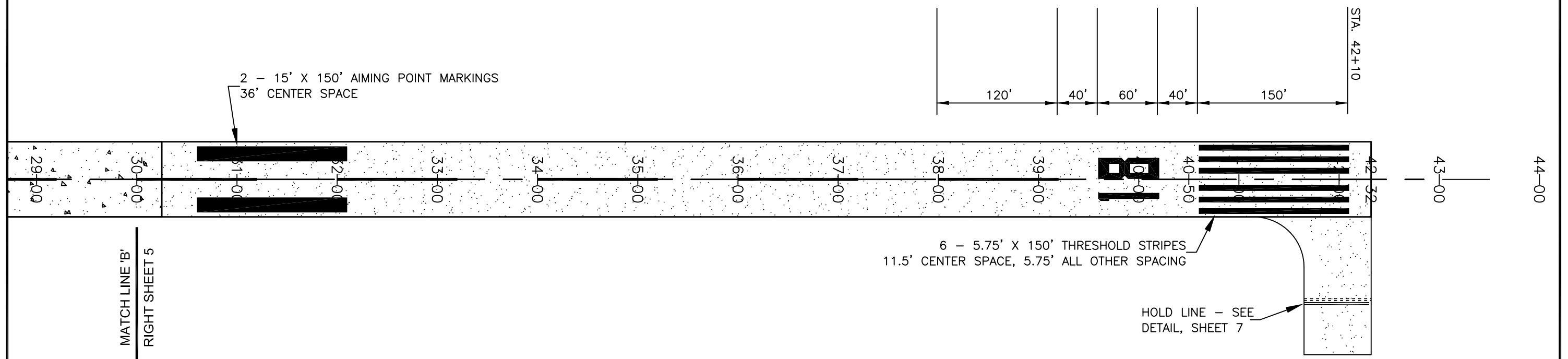
MATCH LINE 'B'  
LEFT SHEET 6



BENTON MUNICIPAL AIRPORT  
IL PROJ NO. H96-3772  
AIP NO. 3-17-0005-B12  
PLAN VIEW  
SHEET 6 OF 7

BN014

NOTE:  
PAVEMENT MARKING - BLACK BORDER TO BE 6" IN WIDTH AROUND ALL PAVEMENT MARKING - WATER BORNE. EXCEPT WHERE INDICATED.



BN014

**PAVEMENT MARKING -  
 BLACK BORDER SCHEDULE**

DESCRIPTION	UNIT AREA	NO. REQ'D	TOTAL
NUMERAL 1	68	1	68
NUMERAL 8	84	1	84
NUMERAL 3	103	1	103
NUMERAL 6	88	1	88
5.75' X 150' STRIPE	157	12	1,884
15' X 150' STRIPE	166	4	664
CENTERLINE STRIPE 150'	154	2	308
CENTERLINE STRIPE 120'	124	15	1,860
BLACK BORDER TURNARND	536	2	1072
BLACK BORDER TAXIWAY	320	1	320
TAXIWAY CENTERLINE	810	1	810
<b>TOTAL BLACK BORDER</b>			<b>7,500</b>

**PAVEMENT MARKING -  
 WATERBORNE SCHEDULE**

DESCRIPTION	UNIT AREA	NO. REQ'D	TOTAL
NUMERAL 1	320	1	320
NUMERAL 8	900	1	900
NUMERAL 3	640	1	640
NUMERAL 6	720	1	720
5.75' X 150' STRIPE	865	12	10,380
15' X 150' STRIPE	2250	4	9,000
CENTERLINE STRIPE 150'	480	2	960
CENTERLINE STRIPE 120'	360	15	5,400
TOTAL WHITE			28,320
HOLD LINE TAXIWAY	120	1	120
HOLD LINE NORTH END	200	1	200
HOLD LINE SOUTH END	200	1	200
TAXIWAY CENTERLINE	800	1	800
TOTAL YELLOW			1320
<b>TOTAL PAVEMENT MARKING - WATERBORNE</b>			<b>1,000</b>

