

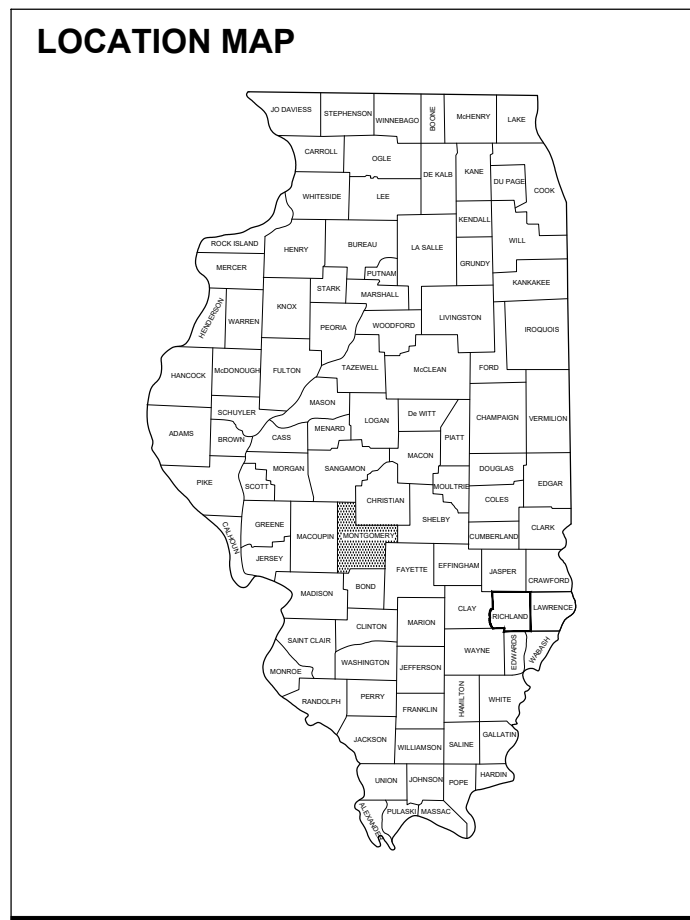
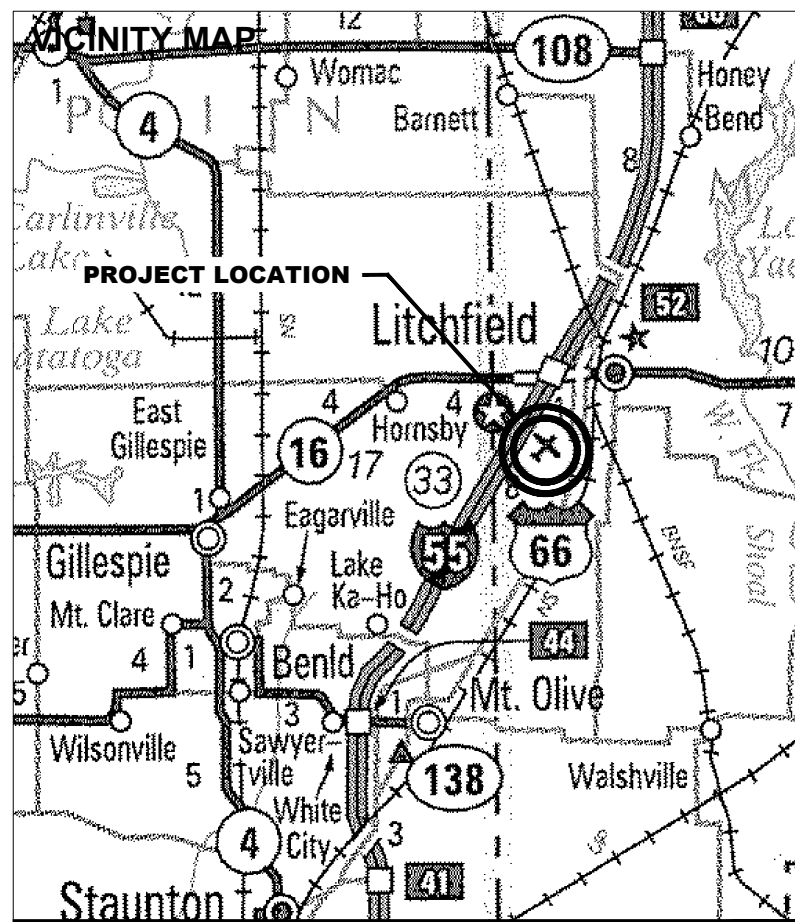
## CONSTRUCTION PLANS

# AIRFIELD PAVEMENT MAINTENANCE

LITCHFIELD AIRPORT AUTHORITY  
LITCHFIELD MUNICIPAL AIRPORT (3LF)  
LITCHFIELD, MONTGOMERY COUNTY, ILLINOIS

IDA PROJECT NO.: 3LF-4436  
FAA AIP PROJECT : 3-17-SBGP-139/144/TBD

MARCH 1, 2019



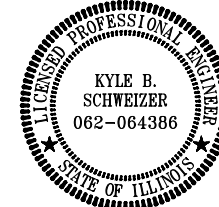
**NOTICE TO CONTRACTORS AND BIDDERS**

THESE CONSTRUCTION PLANS RELY UPON THE SPECIAL PROVISIONS AND THE SPECIFICATIONS TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.

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No.	Issue/Description	Sheets Changed	Date	By

**HANSON**  
HANSON PROFESSIONAL SERVICES INC.  
1525 South Sixth Street  
Springfield, Illinois 62703-2886  
Telephone: 217.788.2450  
Fax: 217.788.2503



*Kyle B. Schweizer*  
Kyle B. Schweizer, P.E.  
Project Engineer  
Lic. Exp. 11/30/2019

March 1, 2019  
Date

  
**Litchfield Airport Authority**  
P. O. Box 381  
Litchfield, Illinois 62056

*Nic Weatherford*  
Nic Weatherford,  
Airport Manager

March 1, 2019  
Date



Engineering | Planning | Allied Services

Hanson Professional Services Inc.  
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Springfield, IL 62703  
Phone: (217) 788-2450

Offices Nationwide  
www.hanson-inc.com

LITCHFIELD MUNICIPAL AIRPORT

1201 US Route 66 South  
Litchfield, IL 62056  
Phone: (217) 324-4731

AIRFIELD PAVEMENT  
MAINTENANCE

IDA No: 3LF-4436  
SBG NO.  
3-17-SBGP-139/144/TBD

Contract No. LI038

NO.	DATE	DESCRIPTION		
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ISSUE: MARCH 1, 2019  
PROJECT NO: 18A0091  
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DRAWN BY: KBS 01/07/2019  
REVIEWED BY: MJD

SUMMARY OF  
QUANTITIES AND  
INDEX TO SHEETS

INDEX TO SHEETS	
SHEET NO.	SHEET TITLE
1	COVER
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	SITE AND SAFETY PLAN
4	CONSTRUCTION SAFETY PHASING NOTES AND DETAILS
5	MARKING & CONSTRUCTION PLAN - RWY 9-27 & TAXIWAY B SHEET 1
6	MARKING & CONSTRUCTION PLAN - RWY 9-27 & TAXIWAY B SHEET 2
7	MARKING & CONSTRUCTION PLAN - APRON
8	MARKING DETAILS

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150520	MOBILIZATION	L.S.	1	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	10,000	
AR608510	EXISTING ASPHALT SURFACE TREATMENT	S.Y.	66,700	
AR608530	FRICTION TESTING	L.S.	1	
*AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	32,543	
*AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	10,355	
*AR620900	PAVEMENT MARKING REMOVAL	S.F.	100	

\*DENOTES SPECIALTY ITEM

MARKING QUANTITIES			
WHITE			
DESCRIPTION	UNIT AREA	NO. REQUIRED	TOTAL AREA
9/27 RUNWAY CENTERLINES	360	17	6,120
RUNWAY DESIGNATOR NUMERAL 2	652	1	652
RUNWAY DESIGNATOR NUMERAL 7	472	1	472
RUNWAY DESIGNATOR NUMERAL 9	712	1	712
THRESHOLD STRIPE	863	12	10,356
AIMING POINT	2,250	4	9,000
TOTAL WHITE			27,312
YELLOW			
TAXIWAY CENTERLINES	SEE PLANS	SEE PLANS	4,631
HOLDING POSITIONS	105	2	210
TIEDOWNS	39	10	390
TOTAL YELLOW			5,231
BLACK			
9/27 RUNWAY CENTERLINES	124	17	2,108
RUNWAY DESIGNATOR NUMERAL 2	107	1	107
RUNWAY DESIGNATOR NUMERAL 7	85	1	85
RUNWAY DESIGNATOR NUMERAL 9	114	1	114
THRESHOLD STRIPE	157	12	1,884
AIMING POINT	166	4	664
TAXIWAY CENTERLINES	SEE PLANS	SEE PLANS	4,631
HOLDING POSITIONS	176	2	352
TIEDOWNS	41	10	410
TOTAL BLACK			10,355

UTILITY NOTE

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. 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 OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

J.U.L.I.E. INFORMATION

COUNTY \_\_\_\_\_ MONTGOMERY  
CITY \_\_\_\_\_ LITCHFIELD  
TOWNSHIP \_\_\_\_\_ SOUTH LITCHFIELD  
SECTION NO. \_\_\_\_\_ 5 & 8  
ADDRESS \_\_\_\_\_ LITCHFIELD MUNICIPAL AIRPORT  
P.O. BOX 381  
US ROUTE 66  
LITCHFIELD, IL 62056



**PROJECT SITE AND SAFETY NOTES**

- SCOPE** - THE PROPOSED PROJECT SCOPE IS TO APPLY AN ASPHALT SURFACE TREATMENT TO EXISTING ASPHALT PAVEMENTS - TO INCLUDE RUNWAY 9-27, TAXIWAY B AND CONNECTORS, APRON AREA, AND T-HANGAR PAVEMENTS - AND REMARK WITH WATERBORNE PAINT. ASPHALT CRACK SEALING WILL ALSO BE INCLUDED.
- GENERAL** - THE LITCHFIELD MUNICIPAL AIRPORT (3LF) IS NON-TOWER-CONTROLLED, NON-PART 139 GENERAL AVIATION AIRPORT COMPRISED OF 3,900 FT. BY 75 FT. ASPHALT RUNWAY 9-27 AND 4,000 FT. BY 75 FT. ASPHALT RUNWAY 18-36. THE PROPOSED CONSTRUCTION WILL NECESSITATE CLOSING RUNWAY 9-27 AND THE MAJORITY OF TAXIWAY B FOR THE DURATION OF THE PROJECT. A SMALL PORTION OF TAXIWAY B WILL REMAIN OPEN TO ALLOW TERMINAL AREA ACCESS FROM TAXIWAY C DURING WORK AREA 3 CONSTRUCTION ACTIVITIES. THE APRON AND T-HANGAR AREAS WILL BE DIVIDED IN HALF IN ORDER TO MAINTAIN ACCESS. RUNWAY 18-36 AND TAXIWAY C WILL REMAIN OPEN THROUGHOUT THE DURATION OF THIS PROJECT.
- SAFETY PLAN** - THE PROPOSED PROJECT AREA IS DIVIDED INTO THREE SEPARATE WORK AREAS AS SHOWN ON THE PLAN VIEW. BARRICADES SHALL BE PLACED IN THE APPLICABLE AREAS WHEN CLOSING AND WORKING WITHIN EACH AREA. IN ORDER TO MAINTAIN ACCESS TO THE TERMINAL, HANGARS, AND FUEL AREAS, WORK AREAS 2 AND 3 MAY NOT BE CLOSED AT THE SAME TIME UNLESS PERMITTED BY THE AIRPORT MANAGER. ALL PAVEMENTS SHALL BE REOPENED FOLLOWING COMPLETION OF FRICTION TESTING AND THE FIRST COAT OF PAVEMENT MARKING FOR THE REMAINDER OF THE 30-DAY CURING PERIOD, AT WHICH POINT THE CONTRACT TIME WILL BE SUSPENDED.
  - WORK AREA 1** - COVERS RUNWAY 9/27 AND TAXIWAY B PAVEMENT AREAS. THIS AREA WILL BE CLOSED FOR THE DURATION OF THE PROJECT, WITH THE EXCEPTION OF THE FAR EAST END OF TAXIWAY B WHERE IT INTERSECTS TAXIWAY C.
  - WORK AREA 2** - COVERS THE NORTHERN PORTION OF THE MAIN APRON. NO WORK MAY OCCUR IN THIS AREA UNTIL THE CLEANING AND PREP WORK HAS BEEN COMPLETED IN WORK AREA 1.
  - WORK AREA 3** - COVERS THE SOUTHERN PORTION OF THE MAIN APRON AND T-HANGAR PAVEMENTS. NO WORK MAY OCCUR IN THIS AREA WHILE WORK AREA 2 IS ALSO CLOSED.
- SCHEDULE** - THE AIRPORT WILL BE HOSTING AN ANNUAL EVENT THE WEEKEND FOLLOWING LABOR DAY, SEPTEMBER 6-8, 2019. NO CONSTRUCTION OR AIRFIELD CLOSURES WILL BE PERMITTED DURING THE PERIOD. THE CONTRACTOR SHALL ADJUST THE WORK SCHEDULE ACCORDINGLY TO ENSURE THAT PRIOR TO THE WEEKEND THE PAVEMENTS ARE CLEAN, AND IF THE ASPHALT SURFACE TREATMENT HAS BEEN APPLIED, THE FRICTION TESTING AND THE FIRST COAT OF PAVEMENT MARKING HAVE ALSO BEEN COMPLETED.
- CLOSURES** - ALL RUNWAY/TAXIWAY/APRON CLOSURES SHALL BE COORDINATED WITH THE AIRPORT MANAGER A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME. THE AIRPORT MANAGER HAS COMPLETE AUTHORITY IN DETERMINING WHEN THE RUNWAY/TAXIWAY/APRON MAY BE CLOSED.

**RUNWAY/TAXIWAY CLOSURE PROCEDURES:**

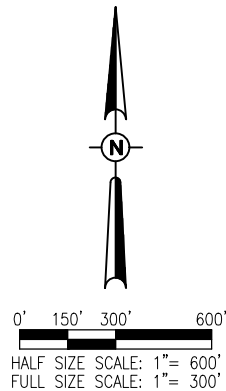
- CONTACT THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE A MINIMUM OF 72 HOURS BEFORE THE DESIRED CLOSING TIME.
  - ISSUANCE OF NOTAM AND DEACTIVATION OF THE APPLICABLE AIRFIELD LIGHTING AND NAVAIDS BY THE AIRPORT MANAGEMENT AND/OR FAA.
  - PLACEMENT OF CROSSES AND BARRICADES.
- ONLY AT THE TIME THAT ALL OF THE ABOVE ARE COMPLETED MAY ANY CONSTRUCTION OPERATIONS BEGIN WITHIN THE RUNWAY/TAXIWAY AIR OPERATIONS AREA.

**RUNWAY/TAXIWAY RE-OPENING PROCEDURES:**

- ENSURE ALL PERSONNEL, EQUIPMENT AND MATERIALS ARE CLEAR OF THE AIR OPERATIONS AREA.
- INSPECT THE AREA FOR LOOSE OR TRACKED DEBRIS, PAVEMENT DROP-OFFS, AND OPEN TRENCHES.
- REMOVE BARRICADES AND CROSSES.
- NOTIFY THE AIRPORT MANAGEMENT OR REPRESENTATIVE TO CANCEL THE NOTAM.
- ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.

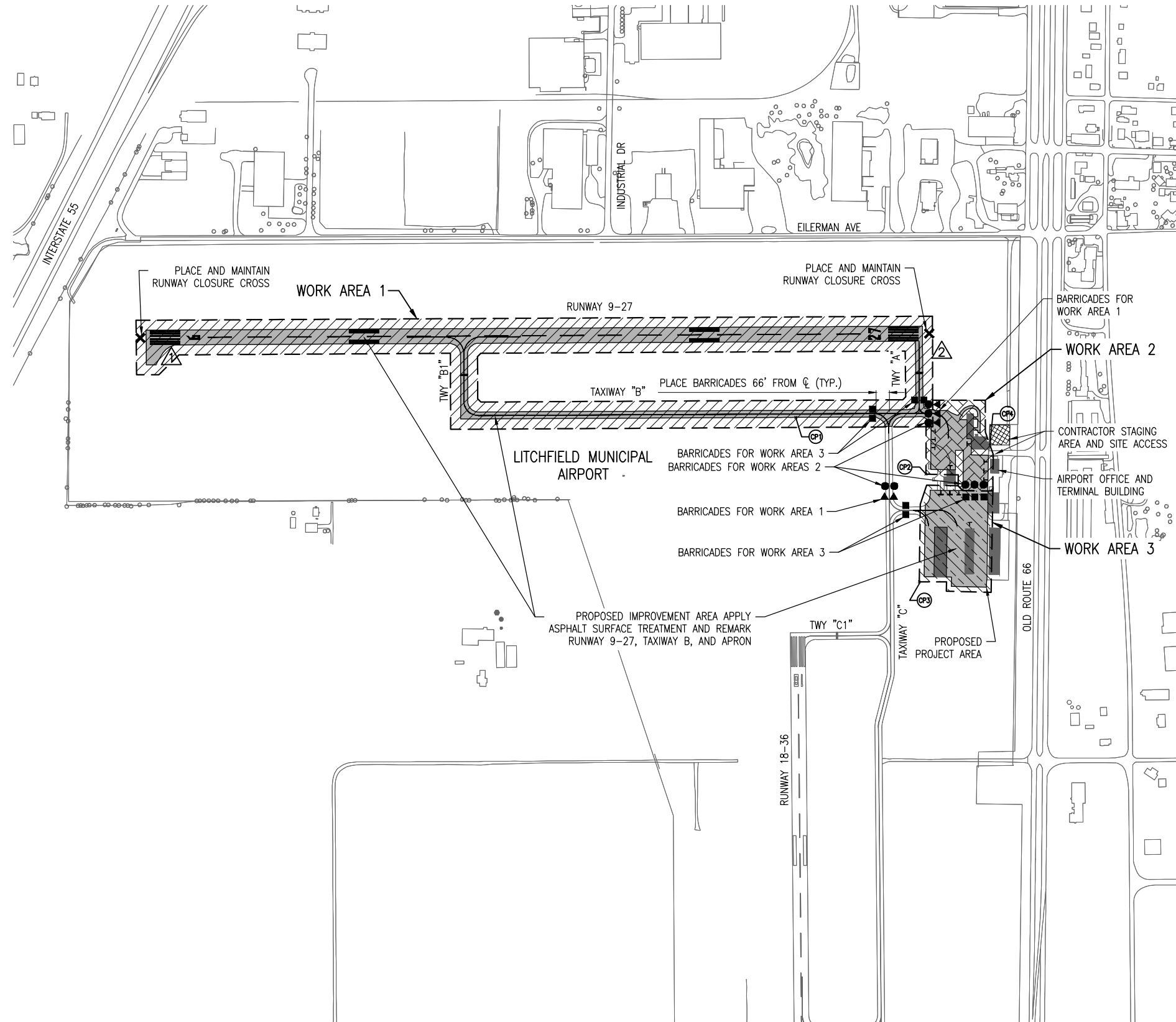
**LEGEND**

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- CONTRACTOR STAGING AREA
- WORK AREA 1 / ASSOCIATED BARRICADES
- WORK AREA 2 / ASSOCIATED BARRICADES
- WORK AREA 3 / ASSOCIATED BARRICADES
- CRITICAL POINTS
- SURVEY CONTROL POINT



CRITICAL POINTS					
POINT #	DESCRIPTION	LATITUDE	LONGITUDE	GROUND (MSL)	HEIGHT (AGL)
1	CONST. EQUIP.	039° 09' 58.36"	-089° 40' 20.56"	688	25'
2	CONST. EQUIP.	039° 09' 55.50"	-089° 40' 12.28"	685	25'
3	CONST. EQUIP.	039° 09' 50.15"	-089° 40' 12.74"	683	25'
4	CONST. EQUIP.	039° 09' 56.93"	-089° 40' 08.19"	687	25'

HORIZONTAL AND VERTICAL CONTROL DATA				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	"LITPORT" AZ MK" STAINLESS STEEL ROD IN SLEEVE	910853.93	2433591.39	679.81
2	"LITPORT" STAINLESS STEEL ROD IN SLEEVE	910877.65	2437462.49	688.51
3	RUNWAY 9 END BRASS MARKER 'WOOLPERT'	910952.81	2433462.00	
4	RUNWAY 27 END BRASS MARKER 'WOOLPERT'	910972.24	2437362.07	



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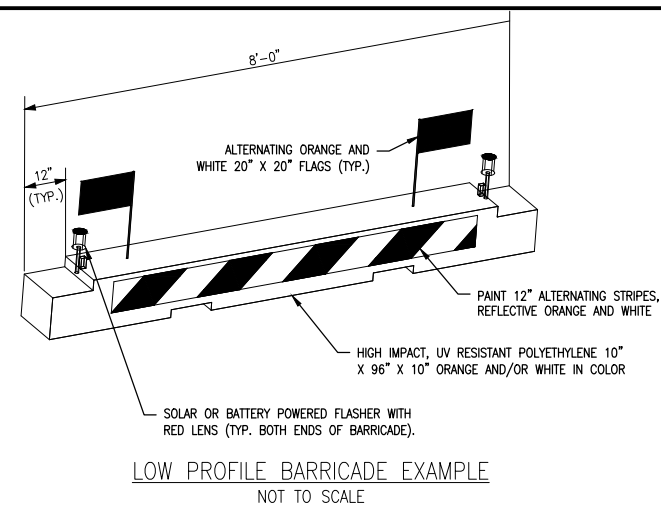
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DRAWN BY: KBS  
REVIEWED BY: MJD

**SITE AND SAFETY PLAN**

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**CONSTRUCTION SAFETY NOTES**

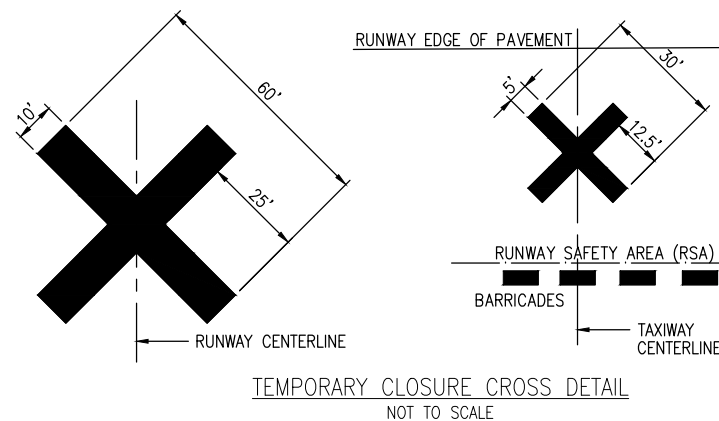
- ALL PROVISIONS OF THE LATEST EDITION OF FAA ADVISORY CIRCULAR AC 150/5370-2 (CURRENT EDITION), "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", APPLY TO THIS CONTRACT, EXCEPT AS MODIFIED BY THIS SAFETY PLAN, OR AS MODIFIED BY THE OWNER THROUGH THE RESIDENT ENGINEER/TECHNICIAN.
- ALL COSTS ASSOCIATED WITH THE WORK AND MATERIALS INVOLVING CONSTRUCTION SAFETY & PHASING AS SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS, OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN OR AIRPORT MANAGER THROUGHOUT THE PROJECT, SHALL BE INCIDENTAL TO THE CONTRACT.
- AIRFIELD SAFETY ASSURANCE** - AIRFIELD SAFETY SHALL BE HELD PARAMOUNT AT ALL TIMES. ANY INDIVIDUALS RESPONSIBLE FOR INCURSIONS OR POTENTIAL INCURSIONS WITH AIR TRAFFIC DUE TO NON-COMPLIANCE WITH REQUIREMENTS SET FORTH IN THESE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS, AND FAA ADVISORY CIRCULAR 150/5370-2 (CURRENT EDITION) WILL BE SUBJECT TO AN IMMEDIATE SUSPENSION OF DRIVING PRIVILEGES ON THE AIRPORT OR A COMPLETE RESTRICTION OF ACCESS TO THE AIRFIELD ALTOGETHER. THE AIRPORT MANAGER OR RESIDENT ENGINEER/TECHNICIAN MAY STOP THE WORK AT ANY TIME THEY BELIEVE AIRFIELD SAFETY IS BEING COMPROMISED.
- THE CONTRACTOR SHALL PROVIDE THE AIRPORT MANAGER AND RESIDENT ENGINEER/TECHNICIAN WITH CONTACT INFORMATION FOR A PERSON ON CALL 24 HOURS A DAY FOR EMERGENCY MAINTENANCE OF BARRICADES AND HAZARD LIGHTING.
- ALL CONSTRUCTION EQUIPMENT OPERATING IN THE PRESCRIBED CONSTRUCTION AREA IS REQUIRED TO DISPLAY A CHECKERBOARD FLAG PROPERLY LOCATED OR A ROTATING BEACON (STROBE) AS SPECIFIED IN AC 150/5210-5, "PAINTING, MARKING, AND LIGHTING OF VEHICLES USED ON AN AIRPORT" (CURRENT EDITION).
- CLOSED AIRFIELD WORK AREAS, OPEN TRENCHES, AND OTHER HAZARDOUS AREAS AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH LIGHTED BARRICADES WITH STEADY BURNING OR FLASHING RED LIGHTS AS SPECIFIED IN 150/5370-2, "OPERATIONAL SAFETY ON AIRPORT DURING CONSTRUCTION, LATEST EDITION. LIGHTED BARRICADES MUST BE NO TALLER THAN 18" (EXCLUSIVE OF SUPPLEMENTARY LIGHTS AND FLAGS) ON THE TAXIWAYS AND COMPLY WITH ADVISORY CIRCULAR 150/5370-2, LATEST EDITION. CONTRACTOR SHALL NIGHT CHECK BARRICADES DAILY FOR PROPER OPERATION.
- NO PAVEMENT EDGE DROP-OFFS GREATER THAN 3" ARE ALLOWED TO REMAIN ON ANY ACTIVE AIRFIELD PAVEMENT AREA. TEMPORARY EARTH SHOULDERS SHALL BE PLACED IF AN INCOMPLETE AREA IS TO BE REOPENED TO AIRCRAFT TRAFFIC.
- AIRPORT SECURITY** - AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. NO CONTRACTOR PERSONNEL OR EQUIPMENT WILL BE PERMITTED OUTSIDE OF THE CONSTRUCTION LIMITS DEPICTED ON THESE PLANS. PERSONAL VEHICLES OF CONTRACTOR EMPLOYEES SHALL BE PARKED IN THE DESIGNATED STAGING AREA AND ARE NOT ALLOWED ACCESS ON THE SITE. THE CONTRACTOR WILL CLOSE AND LOCK THE GATE AT THE DESIGNATED CONSTRUCTION ENTRANCE AT THE END OF EACH DAY. ALL CONTRACTOR EMPLOYEES SHALL WEAR A GARMENT IDENTIFYING THEM AS CONSTRUCTION PERSONNEL.
- NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.
- SOIL, DEBRIS, AND LOOSE MATERIAL DROPPED OR TRUCKED ONTO AIRPORT ROADS, TAXIWAYS, AND SOD SURFACES, OR WHICH CAN BE BLOWN ONTO SUCH SURFACES, SHALL BE IMMEDIATELY SWEEPED, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINERS. ANY DAMAGE TO AIRPORT PROPERTY SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MAINTAINING AIRPORT LIGHTING AND NAVIGATIONAL ELECTRICAL SYSTEMS DURING CONSTRUCTION. A CONTACT PERSON AND TELEPHONE NUMBER FOR 24 HOUR EMERGENCY IMMEDIATE REPAIR SHALL BE SUBMITTED TO THE AIRPORT MANAGER AND ENGINEER. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER AS NECESSARY TO CONTROL DUST.
- RADIO CONTROL** - THE CONTRACTOR WILL BE REQUIRED TO REMAIN CONSTANT TWO-WAY RADIO CONTACT WITH THE LITCHFIELD MUNICIPAL AIRPORT UNICOM (122.8 MHz) AT ALL TIMES WHILE HE HAS PERSONNEL OR EQUIPMENT ON THE AIRFIELD.



LOW PROFILE BARRICADE EXAMPLE  
NOT TO SCALE

**BARRICADE NOTES**

- ALL CONSTRUCTION SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE ILLINOIS SUPPLEMENT (LATEST EDITION) AND THE FAA ADVISORY CIRCULARS (LATEST EDITION) UNLESS NOTED OTHERWISE. THE FAA OR MORE STRINGENT SPECIFICATIONS SHALL GOVERN.
- BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT WITH A MAXIMUM SPACING OF 4' BETWEEN ENDS. BARRICADES ARE TO BE SET BACK FROM THE ACTIVE RUNWAY OR TAXIWAY CENTERLINE THE DISTANCE AS SHOWN ON THE PLANS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY MAY BE USED IN EITHER A STEADY BURN (TYPE C) OR LOW INTENSITY FLASHING MODE (TYPE A) UNLESS NOTED OTHERWISE.
- THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR AFTER SUNSET AND 1/2 HOUR BEFORE SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
- BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
- THE ONLY COLOR COMBINATION ON BARRICADES IS ORANGE AND WHITE. THE ORANGE STRIPES SHALL BE ENCAPSULATED LENS REFLECTIVE SHEETING. THE WHITE STRIPES SHALL BE EITHER ENCAPSULATED OR ENCLOSED LENS REFLECTIVE SHEETING AND MUST BE IN ACCEPTABLE CONDITION.
- COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING BARRICADES SHALL BE INCLUDED AS AN INCIDENTAL COST TO THE CONTRACT.
- BARRICADES MUST BE IN ACCEPTABLE CONDITION.



**TEMPORARY CLOSURE CROSS NOTES**

- TEMPORARY CLOSED RUNWAY AND CLOSED TAXIWAY MARKINGS SHALL BE AVIATION YELLOW.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, DOUBLE-LAYERED SNOW FENCE OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.
- TEMPORARY CLOSED RUNWAY MARKINGS SHALL BE PLACED OVER THE RUNWAY DESIGNATION NUMBERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- TEMPORARY CLOSED TAXIWAY MARKINGS SHALL BE PLACED WHEN AN ADJACENT RUNWAY IS OPEN AND THE TAXIWAY IS CLOSED MORE THAN 72 HOURS. THE CLOSED TAXIWAY MARKINGS SHALL BE PLACED AS SHOWN ON THIS SHEET. MARKINGS SHALL BE CONSTRUCTED USING A TEMPORARY PAINT THAT CAN BE EASILY REMOVED WITH WATER WITHOUT DEFACING THE PAVEMENT.
- THE PROPOSED CROSSES WILL BE PLACED EACH DAY THE RUNWAY OR TAXIWAY IS CLOSED AND REMOVED WHEN THE RUNWAY OR TAXIWAY IS RE-OPENED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PLACEMENT AND REMOVAL OF THE CROSSES.



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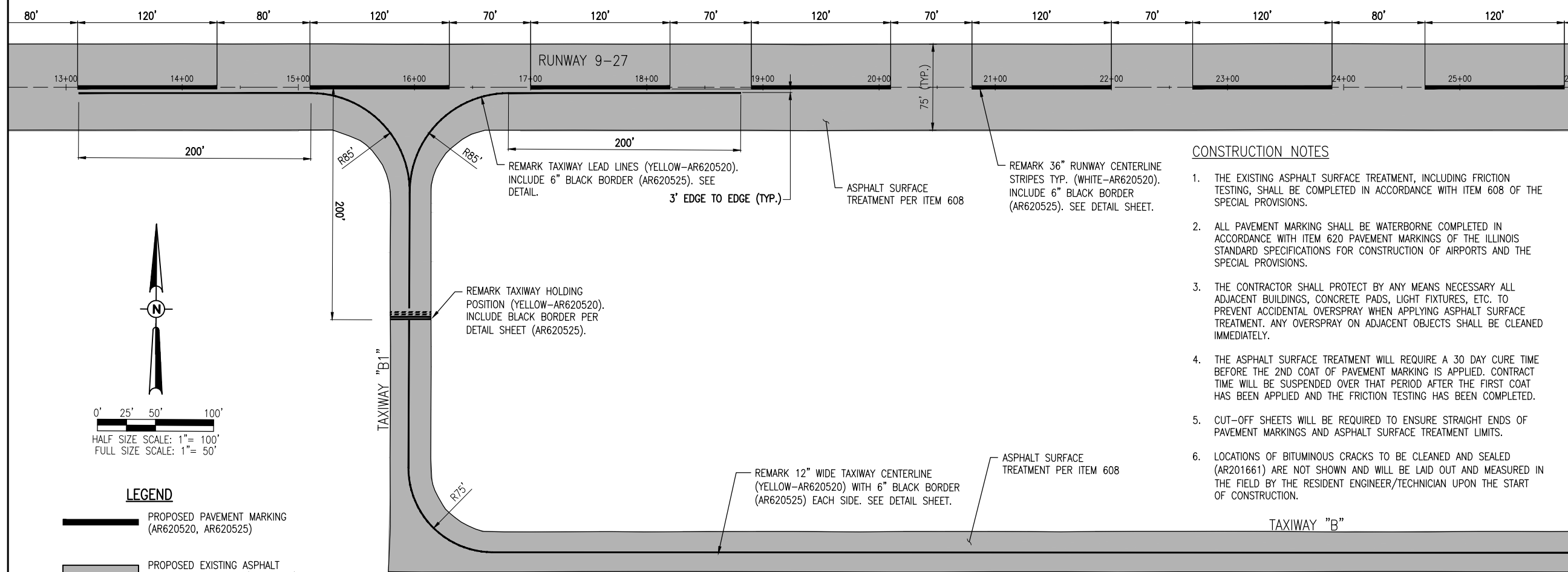
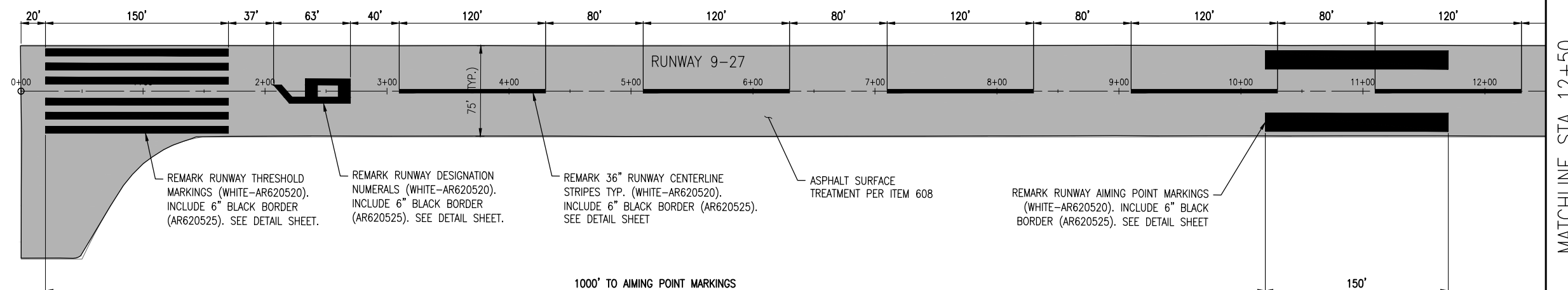
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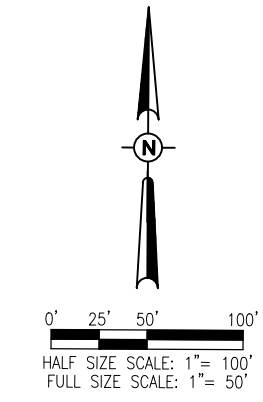
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**CONSTRUCTION SAFETY PHASING NOTES AND DETAILS**



**CONSTRUCTION NOTES**

1. THE EXISTING ASPHALT SURFACE TREATMENT, INCLUDING FRICTION TESTING, SHALL BE COMPLETED IN ACCORDANCE WITH ITEM 608 OF THE SPECIAL PROVISIONS.
2. ALL PAVEMENT MARKING SHALL BE WATERBORNE COMPLETED IN ACCORDANCE WITH ITEM 620 PAVEMENT MARKINGS OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS AND THE SPECIAL PROVISIONS.
3. THE CONTRACTOR SHALL PROTECT BY ANY MEANS NECESSARY ALL ADJACENT BUILDINGS, CONCRETE PADS, LIGHT FIXTURES, ETC. TO PREVENT ACCIDENTAL OVERSPRAY WHEN APPLYING ASPHALT SURFACE TREATMENT. ANY OVERSPRAY ON ADJACENT OBJECTS SHALL BE CLEANED IMMEDIATELY.
4. THE ASPHALT SURFACE TREATMENT WILL REQUIRE A 30 DAY CURE TIME BEFORE THE 2ND COAT OF PAVEMENT MARKING IS APPLIED. CONTRACT TIME WILL BE SUSPENDED OVER THAT PERIOD AFTER THE FIRST COAT HAS BEEN APPLIED AND THE FRICTION TESTING HAS BEEN COMPLETED.
5. CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT ENDS OF PAVEMENT MARKINGS AND ASPHALT SURFACE TREATMENT LIMITS.
6. LOCATIONS OF BITUMINOUS CRACKS TO BE CLEANED AND SEALED (AR201661) ARE NOT SHOWN AND WILL BE LAID OUT AND MEASURED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN UPON THE START OF CONSTRUCTION.



**LEGEND**

- PROPOSED PAVEMENT MARKING (AR620520, AR620525)
- PROPOSED EXISTING ASPHALT SURFACE TREATMENT (AR608510)

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**AIRFIELD PAVEMENT MAINTENANCE**

IDA No: 3LF-4436  
SBG NO.  
3-17-SBGP-139/144/TBD

Contract No. LI038

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: MARCH 1, 2019  
PROJECT NO: 18A0091  
CAD FILE: C-101-CON.DWG  
DESIGN BY: KBS  
DRAWN BY: HLE  
REVIEWED BY: MJD

**MARKING & CONSTRUCTION PLAN - RWY 9-27 & TAXIWAY B SHEET 1**

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: MARCH 1, 2019

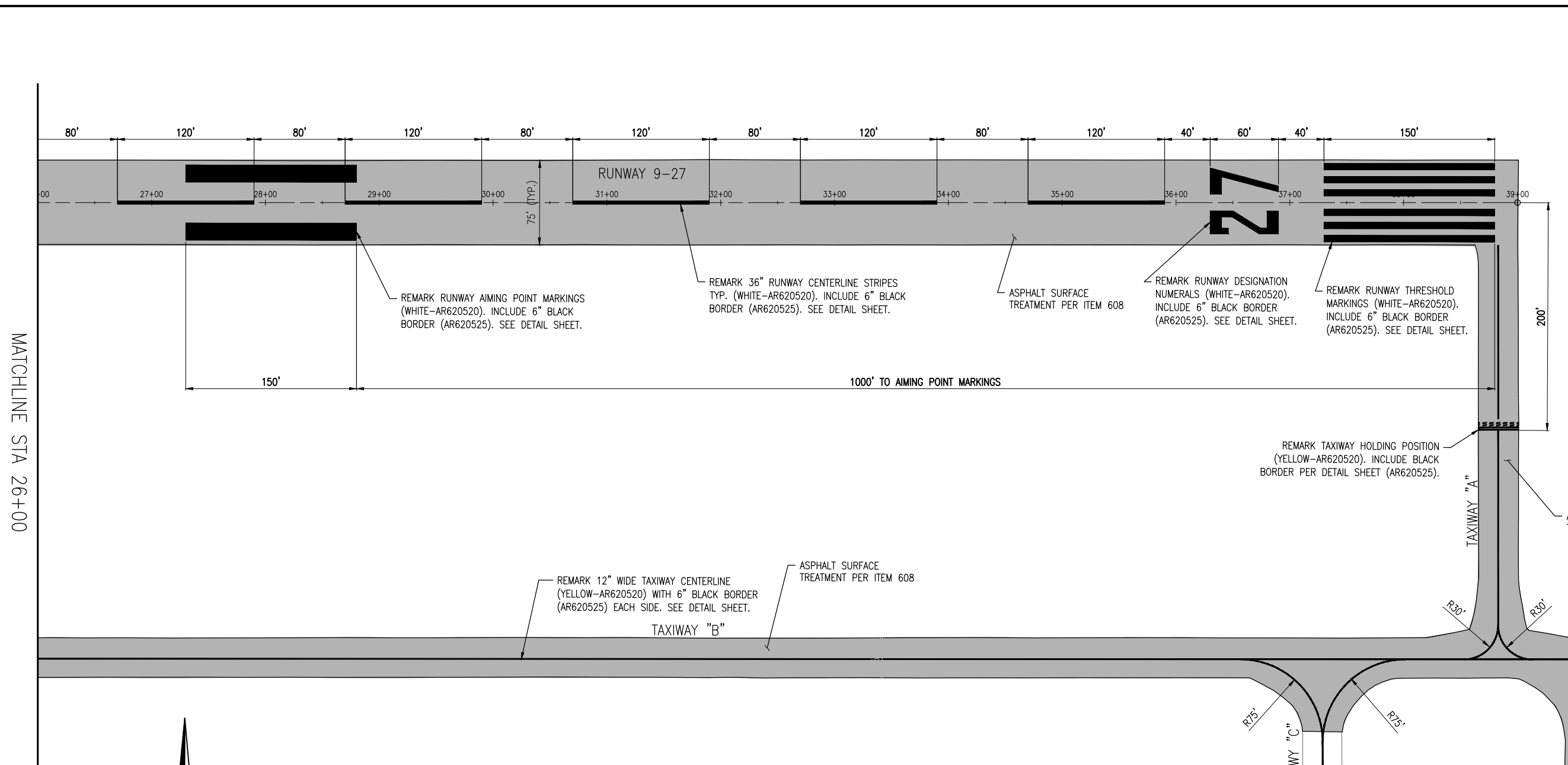
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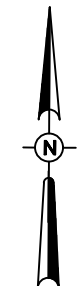
DESIGN BY: KBS

DRAWN BY: HLE

REVIEWED BY: MJD



MATCHLINE STA 26+00



0' 25' 50' 100'  
HALF SIZE SCALE: 1" = 100'  
FULL SIZE SCALE: 1" = 50'

**LEGEND**

- PROPOSED PAVEMENT MARKING (AR620520, AR620525)
- PROPOSED EXISTING ASPHALT SURFACE TREATMENT (AR608510)

- REMARK RUNWAY AIMING POINT MARKINGS (WHITE-AR620520). INCLUDE 6" BLACK BORDER (AR620525). SEE DETAIL SHEET.
- REMARK 36" RUNWAY CENTERLINE STRIPES TYP. (WHITE-AR620520). INCLUDE 6" BLACK BORDER (AR620525). SEE DETAIL SHEET.
- ASPHALT SURFACE TREATMENT PER ITEM 608
- REMARK RUNWAY DESIGNATION NUMERALS (WHITE-AR620520). INCLUDE 6" BLACK BORDER (AR620525). SEE DETAIL SHEET.
- REMARK RUNWAY THRESHOLD MARKINGS (WHITE-AR620520). INCLUDE 6" BLACK BORDER (AR620525). SEE DETAIL SHEET.

- REMARK 12" WIDE TAXIWAY CENTERLINE (YELLOW-AR620520) WITH 6" BLACK BORDER (AR620525) EACH SIDE. SEE DETAIL SHEET.
- ASPHALT SURFACE TREATMENT PER ITEM 608

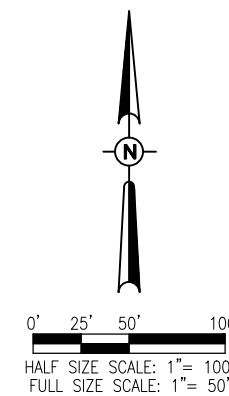
- REMARK TAXIWAY HOLDING POSITION (YELLOW-AR620520). INCLUDE BLACK BORDER PER DETAIL SHEET (AR620525).

**CONSTRUCTION NOTES**

1. THE EXISTING ASPHALT SURFACE TREATMENT, INCLUDING FRICTION TESTING, SHALL BE COMPLETED IN ACCORDANCE WITH ITEM 608 OF THE SPECIAL PROVISIONS.
2. ALL PAVEMENT MARKING SHALL BE WATERBORNE COMPLETED IN ACCORDANCE WITH ITEM 620 PAVEMENT MARKINGS OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS AND THE SPECIAL PROVISIONS.
3. THE CONTRACTOR SHALL PROTECT BY ANY MEANS NECESSARY ALL ADJACENT BUILDINGS, CONCRETE PADS, LIGHT FIXTURES, ETC. TO PREVENT ACCIDENTAL OVERSPRAY WHEN APPLYING ASPHALT SURFACE TREATMENT. ANY OVERSPRAY ON ADJACENT OBJECTS SHALL BE CLEANED IMMEDIATELY.
4. THE ASPHALT SURFACE TREATMENT WILL REQUIRE A 30 DAY CURE TIME BEFORE THE 2ND COAT OF PAVEMENT MARKING IS APPLIED. CONTRACT TIME WILL BE SUSPENDED OVER THAT PERIOD AFTER THE FIRST COAT HAS BEEN APPLIED AND THE FRICTION TESTING HAS BEEN COMPLETED.
5. CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT ENDS OF PAVEMENT MARKINGS AND ASPHALT SURFACE TREATMENT LIMITS.
6. LOCATIONS OF BITUMINOUS CRACKS TO BE CLEANED AND SEALED (AR201661) ARE NOT SHOWN AND WILL BE LAID OUT AND MEASURED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN UPON THE START OF CONSTRUCTION.

LITCHFIELD MUNICIPAL AIRPORT

1201 US Route 66 South  
Litchfield, IL 62056  
Phone: (217) 324-4731



**LEGEND**

- PROPOSED PAVEMENT MARKING (AR620520, AR620525)
- PROPOSED EXISTING ASPHALT SURFACE TREATMENT (AR608510)

**CONSTRUCTION NOTES**

1. THE EXISTING ASPHALT SURFACE TREATMENT, INCLUDING FRICTION TESTING, SHALL BE COMPLETED IN ACCORDANCE WITH ITEM 608 OF THE SPECIAL PROVISIONS.
2. ALL PAVEMENT MARKING SHALL BE WATERBORNE COMPLETED IN ACCORDANCE WITH ITEM 620 PAVEMENT MARKINGS OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS AND THE SPECIAL PROVISIONS.
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**AIRFIELD PAVEMENT MAINTENANCE**

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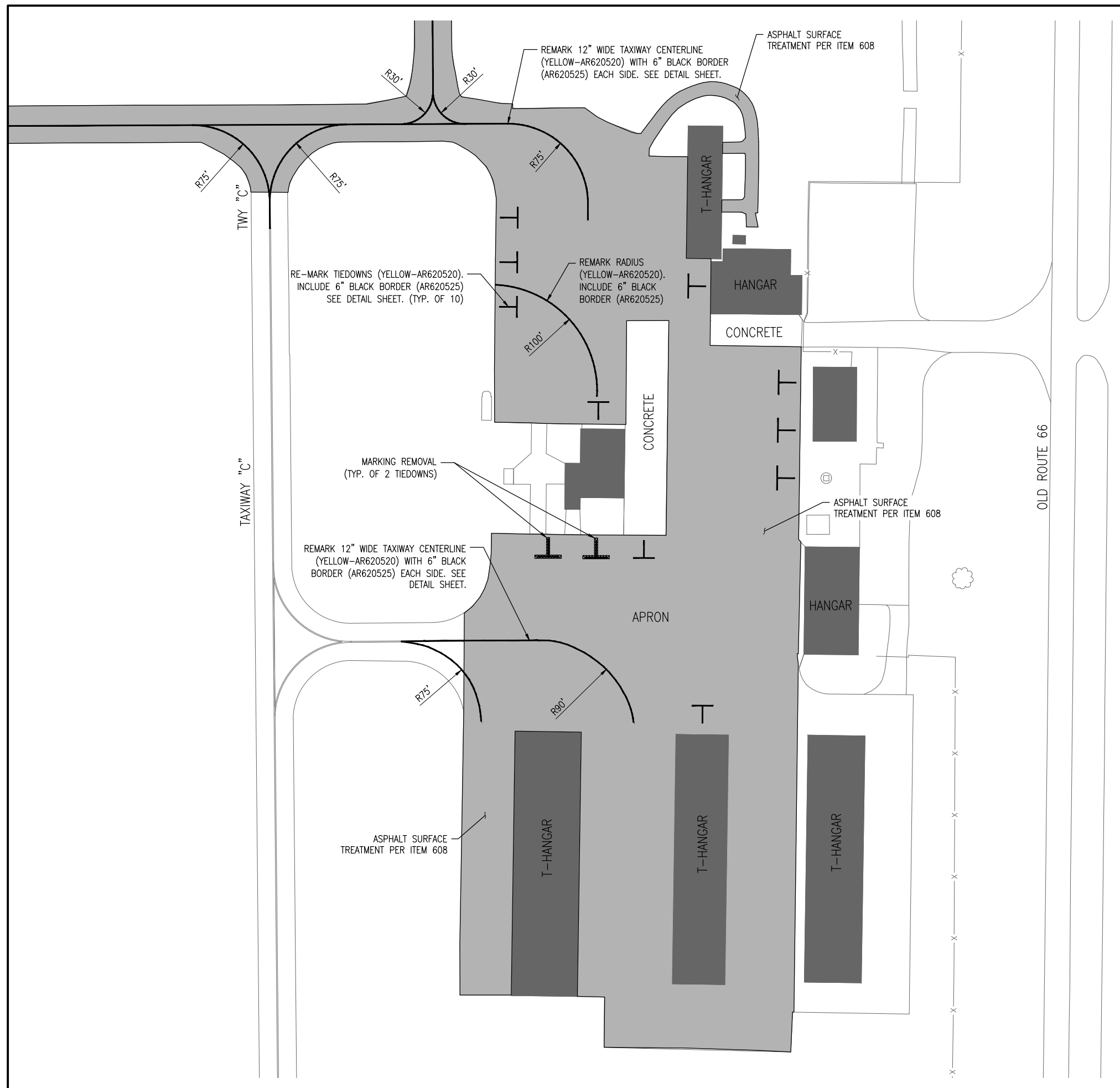
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DESIGN BY: KBS

DRAWN BY: HLE

REVIEWED BY: MJD

**MARKING & CONSTRUCTION PLAN - APRON**



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LITCHFIELD MUNICIPAL AIRPORT

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Litchfield, IL 62056  
Phone: (217) 324-4731

AIRFIELD PAVEMENT MAINTENANCE

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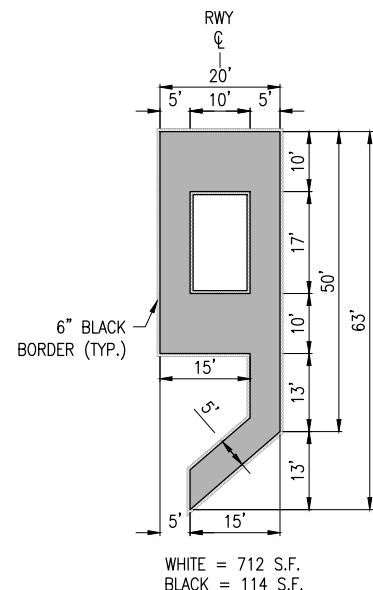
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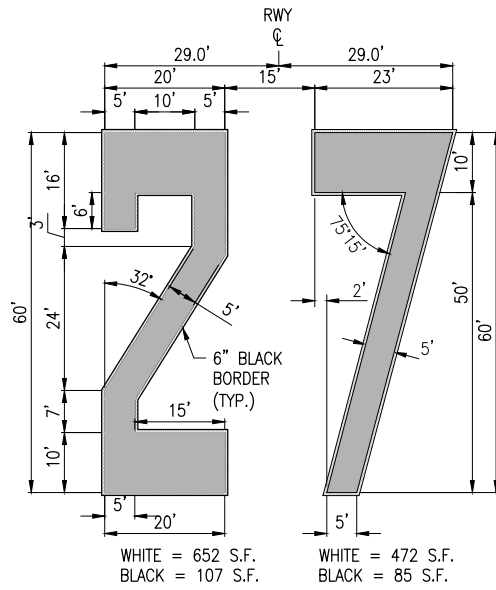
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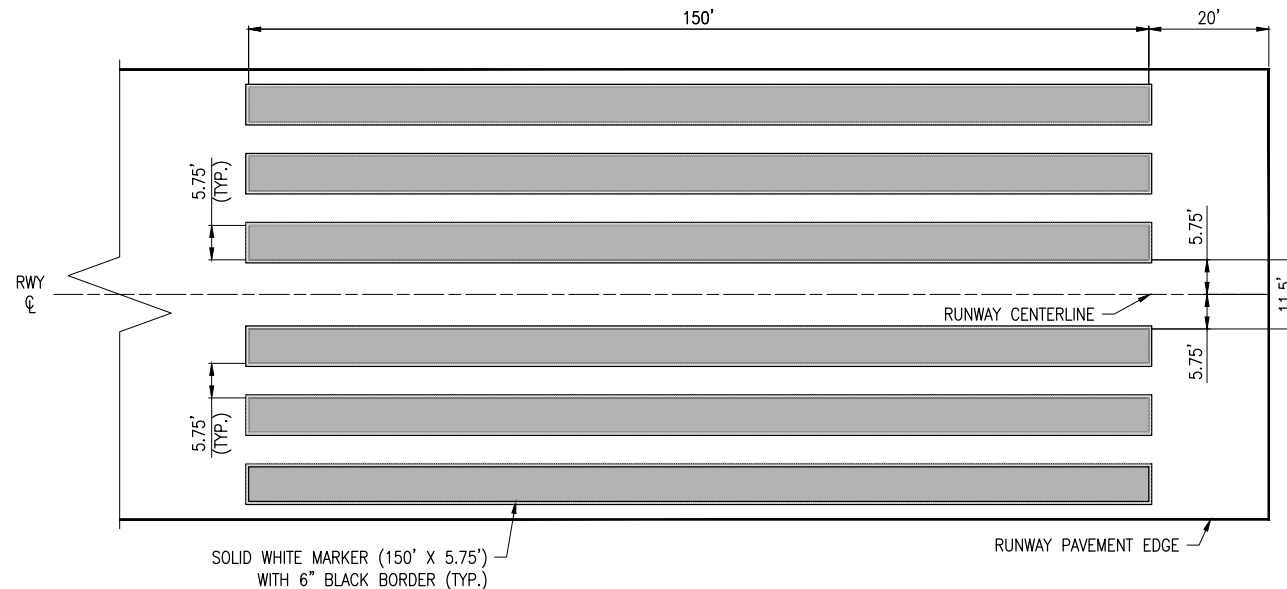
MARKING DETAILS



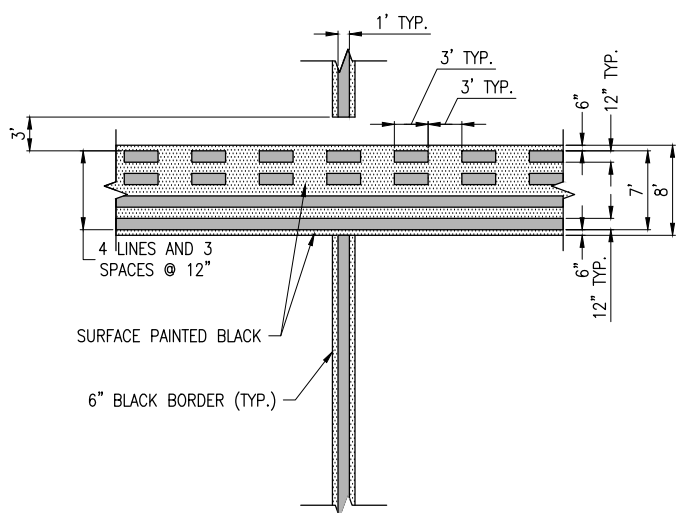
RUNWAY 9 DESIGNATION MARKING  
NOT TO SCALE



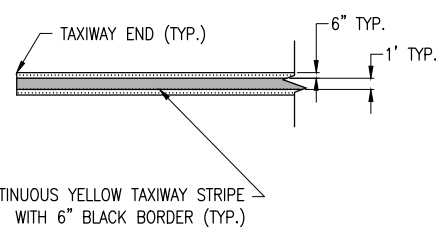
RUNWAY 27 DESIGNATION MARKING  
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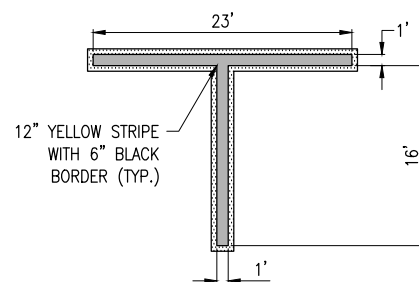
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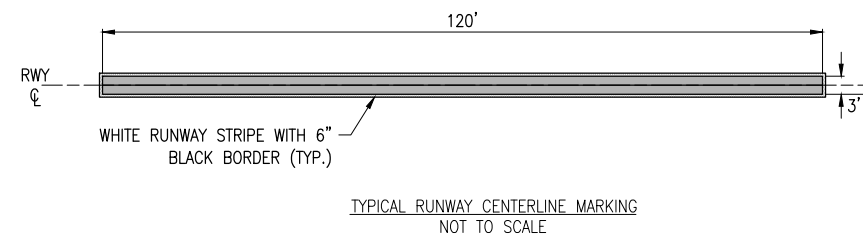
HOLDING POSITION DETAIL  
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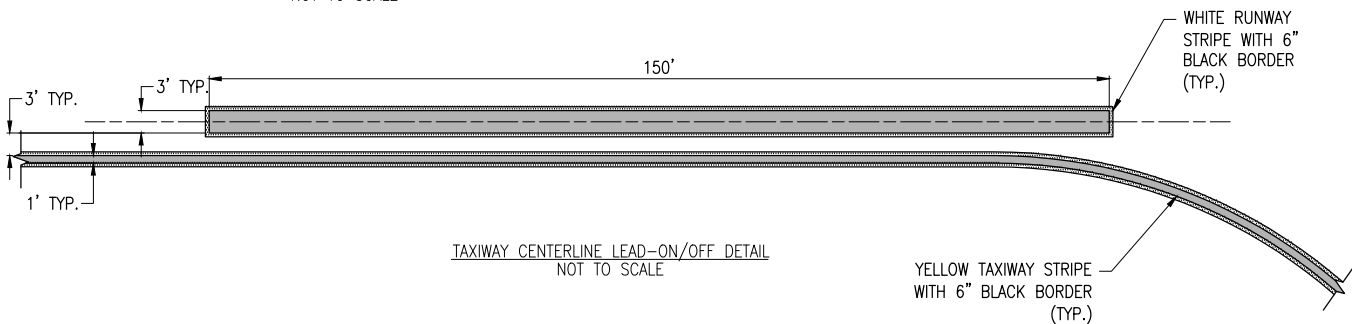
TAXIWAY CENTERLINE DETAIL  
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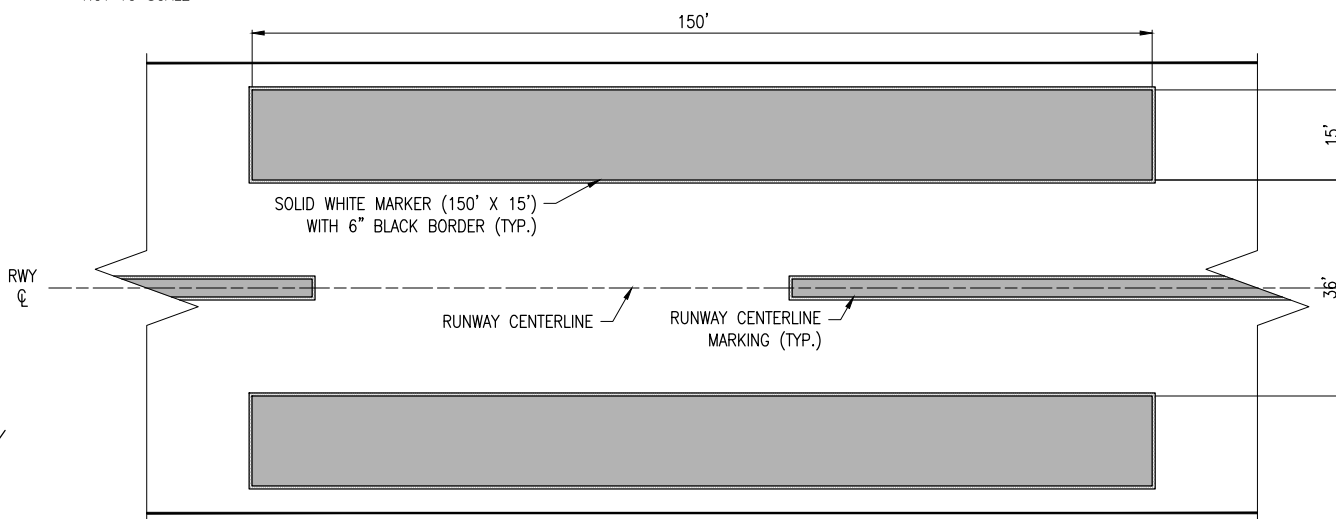
APRON TYPICAL TIEDOWN LAYOUT  
NOT TO SCALE



TYPICAL RUNWAY CENTERLINE MARKING  
NOT TO SCALE



TAXIWAY CENTERLINE LEAD-ON/OFF DETAIL  
NOT TO SCALE



RUNWAY AIMING POINT MARKING (RUNWAY 9/27)  
NOT TO SCALE