

CONSTRUCTION PLANS - FOR BID, ISSUED MARCH 1, 2024

AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

CITY OF FAIRFIELD
FAIRFIELD MUNICIPAL AIRPORT (FWC)
FAIRFIELD, WAYNE COUNTY, ILLINOIS

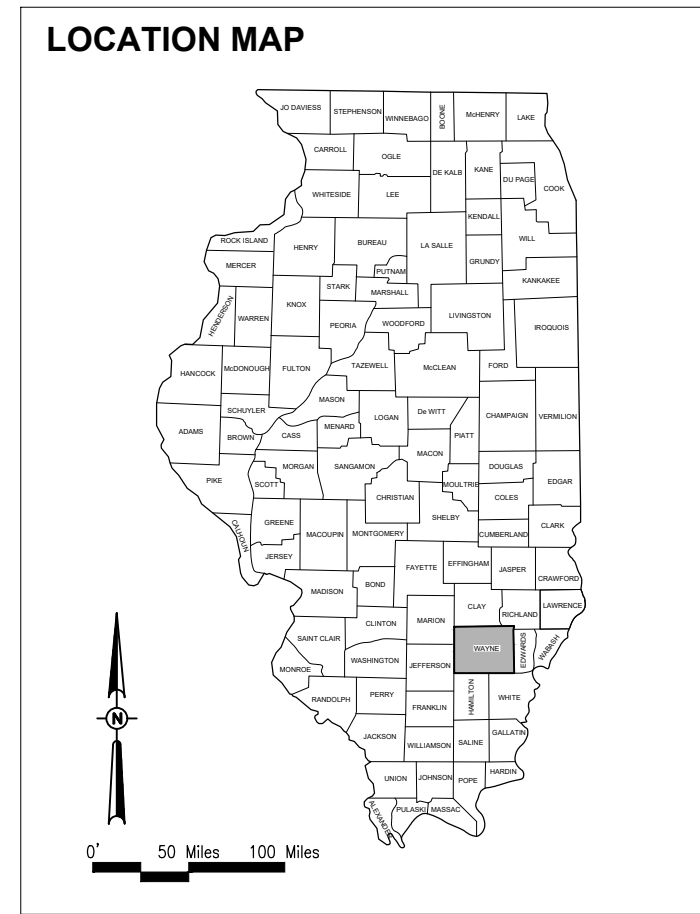
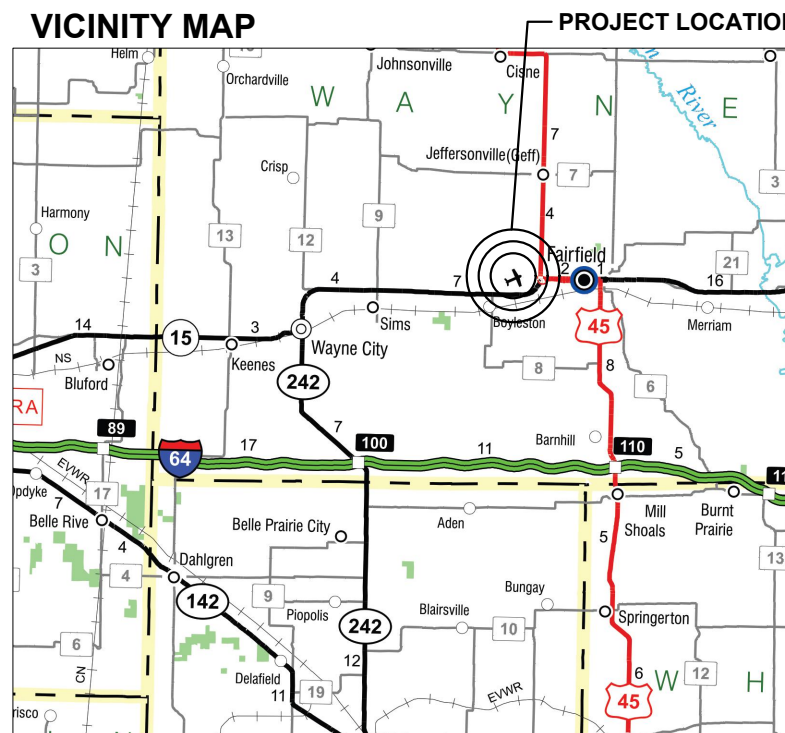
IDA PROJECT NO. : FWC-5127
SBG PROJECT NO. : 3-17-SBGP-197/TBD

SCOPE OF WORK:

THIS PROJECT CONSISTS OF AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS. THIS PROJECT INCLUDES CRACK SEALING AND PAVEMENT MARKING FOR ALL OF THE AIRFIELD PAVEMENTS, AS WELL AS SEAL COATING FOR THE APRON PAVEMENTS AND ASSOCIATED ITEMS.

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

EXP. 11/30/25

STATE OF ILLINOIS
BARRY S. STOLZ
002-057281
LICENSED PROFESSIONAL ENGINEER

[Signature]
Barry S. Stolz, P.E.
Project Manager

03/01/2024
Date

Fairfield Municipal Airport

City of Fairfield

CITY OF FAIRFIELD
City Hall, 109 NE 2nd St.
Fairfield, Illinois 62837
Telephone: 618.842.3871

[Signature]
Travis Williams
Airport Manager

03/01/2024
Date

GENERAL NOTES

1. THE PROJECT PAY ITEMS ARE INTENDED TO BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PLANS. ALL INCIDENTAL WORK REQUIRED TO COMPLETE THE PROJECT TO THE SATISFACTION OF THE RESIDENT ENGINEER/TECHNICIAN IS TO BE INCLUDED IN THE COSTS OF PERFORMING THESE ITEMS. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY TO CONSTRUCT ALL ELEMENTS OF THE PROJECT AS DESCRIBED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS.
2. THE RULES, REGULATIONS, AND SPECIFICATIONS ENUMERATED HEREIN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. THEY SHALL NOT PROHIBIT THE CONTRACTOR FROM FURNISHING AND INSTALLING HIGHER GRADES OF MATERIAL THAN ARE SPECIFIED HEREIN, IF APPROVED BY THE ENGINEER.
3. ACCESS TO THE SITE SHALL BE RESTRICTED EXCLUSIVELY TO THE DESIGNATED CONSTRUCTION ENTRANCE, STAGING AREA, AND HAUL ROUTE. NO EQUIPMENT OR PERSONNEL SHALL BE PERMITTED OUTSIDE THE GENERAL PROJECT AREA.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND KEEP CLEAN OF DEBRIS ALL EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
5. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
6. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMITS FOR HAULING ON PUBLIC ROADS, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY DAMAGES TO ANY PAVEMENTS (PUBLIC OR PRIVATE) CAUSED BY HIS/HER CONSTRUCTION EQUIPMENT OR PERSONNEL.
8. THE CONTRACTOR SHALL PROVIDE ONE SET OF PRELIMINARY REDLINED RECORD DRAWINGS TO THE RESIDENT ENGINEER AT THE COMPLETION OF THE PROJECT FOR INCORPORATION INTO THE OFFICIAL RECORD DRAWINGS HE WILL PREPARE.
9. APPROXIMATE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN THROUGHOUT THESE PLANS. THE CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND PROTECT THESE UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE WITH THE PROPER AUTHORITIES FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
10. MATERIAL CERTIFICATIONS - MATERIALS CANNOT BE INSTALLED UNTIL ALL THE MATERIAL CERTIFICATIONS FOR THAT ITEM HAVE BEEN RECEIVED, REVIEWED AND ACCEPTED BY THE RESIDENT ENGINEER. MATERIALS INSTALLED WITHOUT APPROVAL ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
11. CERTIFIED PAYROLLS - THE RESIDENT ENGINEER CANNOT FORWARD A CONSTRUCTION REPORT FOR PAYMENT TO THE IDOT-DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

INDEX TO SHEETS	
SHEET NUMBER	SHEET TITLE
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3	SCOPE OF WORK
4	PROPOSED SAFETY AND PHASING PLAN - PHASE 1
5	PROPOSED SAFETY AND PHASING PLAN - PHASE 2
6	PROPOSED SAFETY AND PHASING PLAN - PHASE 3
7	CONSTRUCTION SAFETY DETAILS & NOTES - SHEET 1
8	CONSTRUCTION SAFETY DETAILS & NOTES - SHEET 2
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10	CONSTRUCTION PLAN RWY 9-27 - STA. 116+00 TO STA. 143+00
11	CONSTRUCTION PLAN RWY 9-27 - STA. 143+00 TO STA. 157+00
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14	PROPOSED MARKING DETAILS

SUMMARY OF QUANTITIES - BASE BID				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150520	MOBILIZATION	L SUM	1	
AR150530	TRAFFIC MAINTENANCE	L SUM	1	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	FOOT	39,500	
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	33,749	
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	3,868	

SUMMARY OF QUANTITIES (ADDITIVE ALTERNATE BID #1)				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AS625511	SEAL COAT	SQ YD	8,000	

SUMMARY OF QUANTITIES (ADDITIVE ALTERNATE BID #2)				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AT501922	PCC SPALL REPAIR	SQ FT	50	
AT605541	CLEAN & SEAL CRACKS	FOOT	750	



Offices Nationwide
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1525 S. 6th Street
Springfield, IL 62703
phone: 217-788-2450
fax: 217-788-2503

Illinois Licensed
Professional Service Corporation
#184-001084



FAIRFIELD MUNICIPAL AIRPORT
FAIRFIELD, IL 62837
PHONE: (618) 842-3871



DATE SIGNED: 3/1/2024 LICENSE EXPIRES: 11/30/2025

AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

IL. PROJ. No: FWC-5127
Contract No. FA009

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: MARCH 1, 2024
PROJECT NO: 23A1035.00
CAD FILE: G-002-SQQ.DWG
DESIGN BY: AJL 1/16/2024
DRAWN BY: AJL 1/16/2024
REVIEWED BY: BSS 3/1/2024

SHEET TITLE

SUMMARY OF QUANTITIES AND INDEX OF SHEETS

FOR BID

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 WHATSOEVER 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 ITS 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 THE RESIDENT ENGINEER/TECHNICIAN 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 LOCATED BY THE FAA. ALSO CONTACT AIRPORT MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

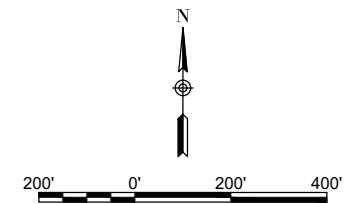
J.U.L.I.E. INFORMATION

COUNTY WAYNE
 CITY FAIRFIELD
 TOWNSHIP BIG MOUND
 SECTION NO. 3
 ADDRESS FAIRFIELD MUNICIPAL AIRPORT
 883 US HIGHWAY 45
 FAIRFIELD, IL 62837



LEGEND:

- EXISTING PAVEMENTS
- PROPOSED ASPHALT PAVEMENT SEAL COAT
- PROPOSED CRACK SEALING
- PROPOSED CONCRETE CRACK REPAIR
- EXISTING BUILDINGS
- EXISTING PERIMETER FENCE

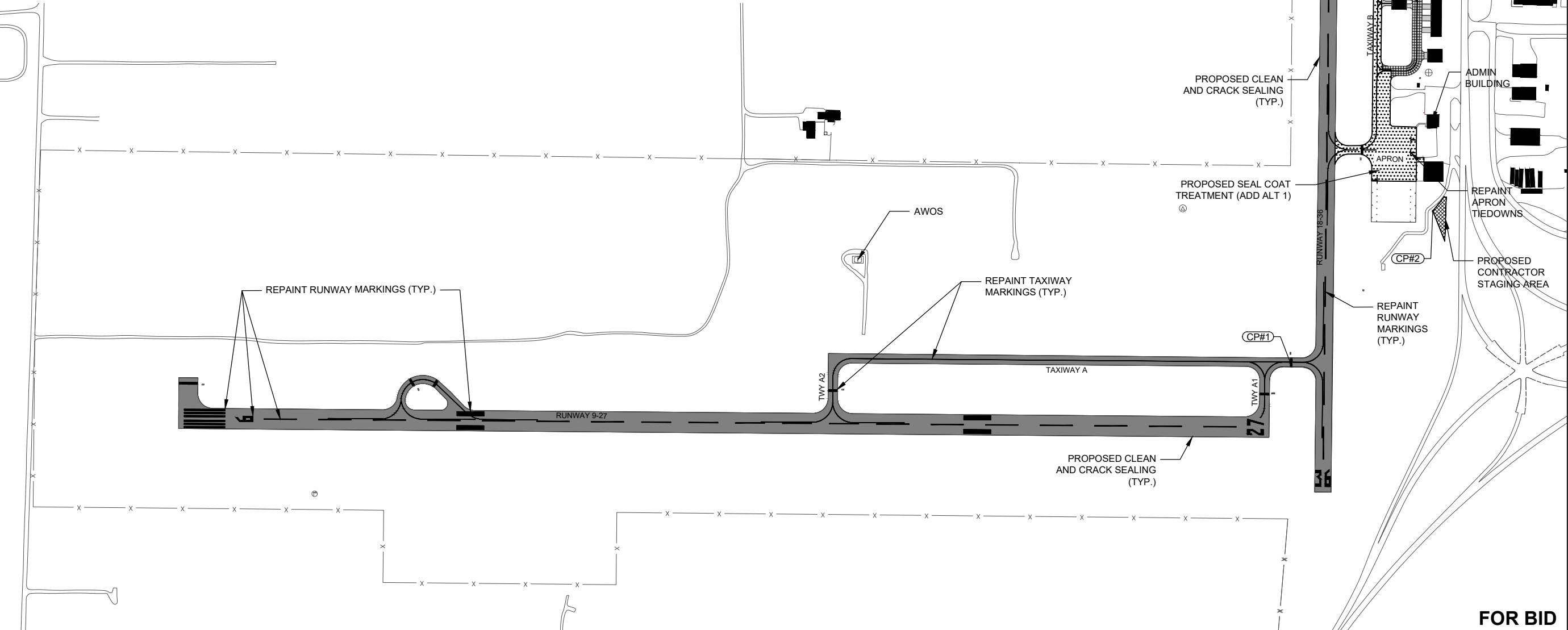


SURVEY NOTES

- ALL COORDINATE VALUES SHOWN IN TABLE ARE BASED ON ILLINOIS STATE PLANE - EAST ZONE NAD-83 (2007).
- REFER TO IDOT STANDARD SPECIFICATIONS 50-06, CONSTRUCTION LAYOUT STAKES, FOR ADDITIONAL INFORMATION.

RUNWAY END COORDINATES			
DESCRIPTION	LATITUDE	LONGITUDE	ELEVATION (MSL)
9	N038° 22' 40.74"	W088° 25' 19.90"	434.4
27	N038° 22' 40.47"	W088° 24' 29.68"	412.8
18	N038° 22' 57.87"	W088° 24' 26.92"	415.6
36	N038° 22' 38.11"	W088° 24' 27.20"	413.2

CRITICAL POINT TABLE					
POINT NO.	LATITUDE	LONGITUDE	GROUND ELEV. (MSL)	MAX. EQUIP. HEIGHT (FT)	TOP ELEV. GND+EQUIP HEIGHT (MSL)
CP#1	N038° 22' 42.81"	W088° 24' 28.70"	412	25	437
CP#2	N038° 22' 48.31"	W088° 24' 22.15"	409	25	434



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 DRAWN BY: AJL 1/11/2024
 REVIEWED BY: BSS 3/1/2024

SHEET TITLE

SCOPE OF WORK

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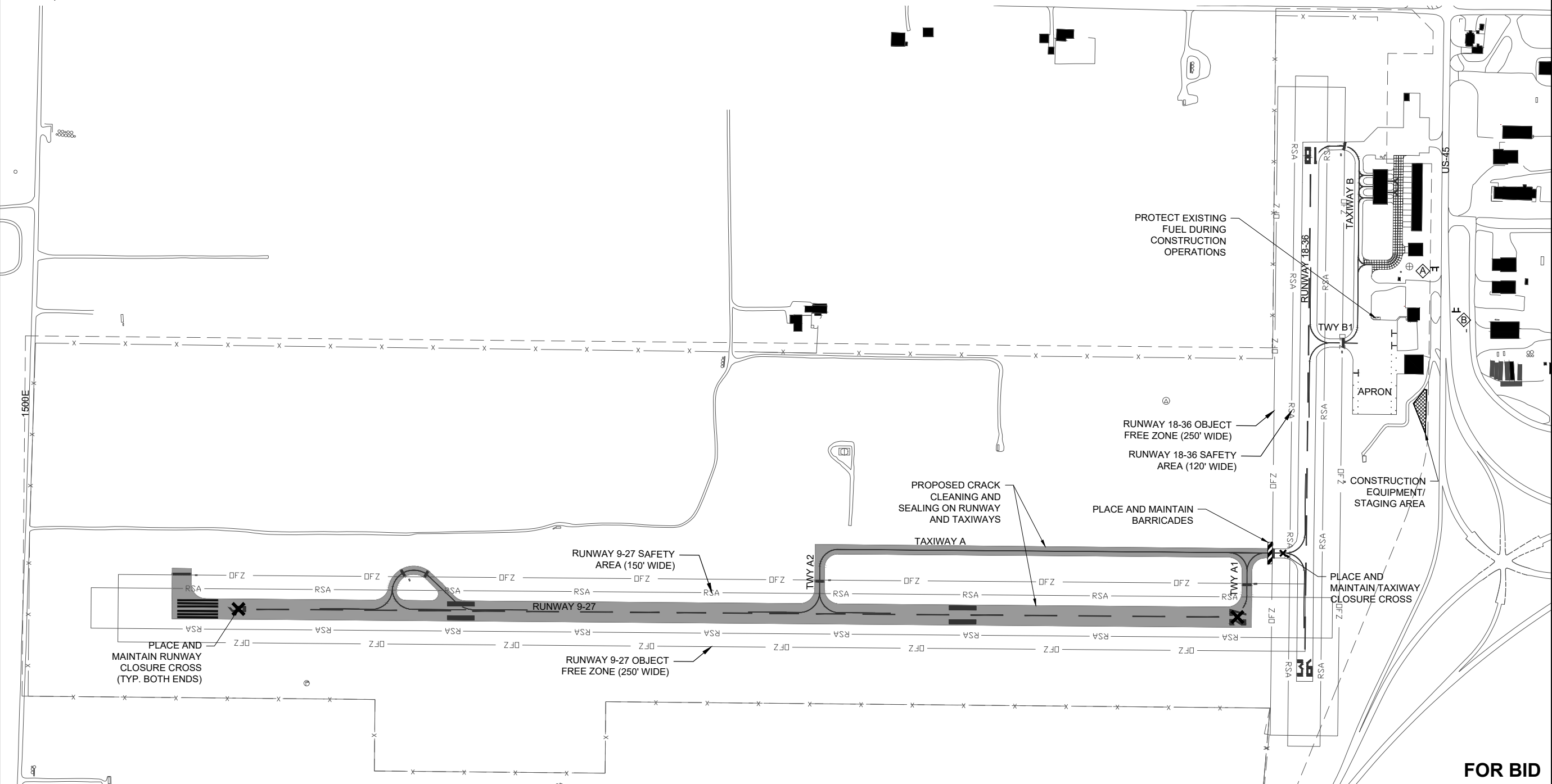
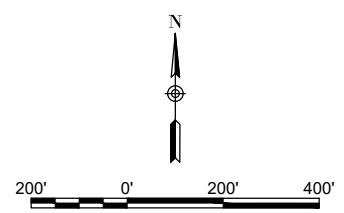
SHEET TITLE

PROPOSED SAFETY AND PHASING PLAN - PHASE 1

SAFETY PLAN COMPLIANCE DOCUMENT
PRIOR TO THE ISSUANCE OF A CONSTRUCTION NOTICE-TO-PROCEED (NTP), THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A SAFETY PLAN COMPLIANCE DOCUMENT IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G, PARAGRAPH 2.4.2, OR EQUIVALENT SECTION IN SUBSEQUENT/CURRENT ISSUE. THE AIRPORT MANAGER SHALL APPROVE THIS DOCUMENT AND SUBMIT TO THE AIRPORT FOR APPROVAL PRIOR TO THE NTP ISSUANCE.

- PHASE 1 NOTES:**
1. THE WORK ITEMS TO BE COMPLETED IN THIS PHASE SHALL INCLUDE CLEANING AND SEALING OF BITUMINOUS CRACKS FOR RUNWAY 9/27, TAXIWAY A, A1, AND A2, AND THE TURNAROUND AREA.
 2. ALL OTHER AIRFIELD PAVEMENTS, PARKING LOTS, AND VEHICULAR ROADS, SHALL BE OPEN FOR THE DURATION OF THIS PHASE. CLOSURE CROSSES AND BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
 3. ALL RUNWAY LIGHTING CIRCUITS AND NAVAIDS SHALL BE TURNED OFF WHILE THE RUNWAYS ARE CLOSED TO AIRCRAFT. EXISTING TAXIWAY EDGE LIGHTS WITHIN THE CLOSED PORTIONS OF THIS PHASE SHALL BE TURNED OFF OR OBSCURED. THE CONTRACTOR SHALL PROVIDE APPROVED MATERIALS TO OBSCURE ALL AFFECTED EDGE LIGHTS. INSTALL AND MAINTAIN THE MATERIALS DURING CONSTRUCTION. ALL COSTS FOR OBSCURING LIGHT SHALL BE INCIDENTAL TO THE PROJECT.
 4. AIRPORT SECURITY SHALL BE MAINTAINED THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL BE RESTRICTED TO THE DESIGNATED WORK AREAS. THE CONTRACTOR SHALL ENSURE THAT ACCESS POINTS USED BY CONSTRUCTION VEHICLES AND PERSONNEL ARE MONITORED WHEN OPEN AND LOCKED WHEN NOT IN USE TO PREVENT UNAUTHORIZED ACCESS TO THE AIRPORT MOVEMENT AREA.
 5. AT THE COMPLETION OF ALL CONSTRUCTION, THE HAUL ROUTE AND CONSTRUCTION EQUIPMENT PARKING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PER THE SPECIFICATIONS.

- LEGEND:**
- EXISTING PAVEMENTS
 - EXISTING GRAVEL ROAD
 - PROPOSED WORK AREA
 - EXISTING BUILDINGS
 - RSA — RUNWAY SAFETY AREA
 - OFZ — OBSTACLE FREE ZONE
 - AIRPORT PROPERTY LINE
 - EXISTING FENCE
 - PROPOSED HAUL ROUTE
 - PROPOSED STAGING AREA
 - PROPOSED BARRICADES
 - PROPOSED CLOSURE CROSSES
 - CONSTRUCTION SIGN



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DATE SIGNED: 3/1/2024 LICENSE EXPIRES: 11/30/2025

AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

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SHEET TITLE

PROPOSED SAFETY AND PHASING PLAN - PHASE 2

LEGEND:

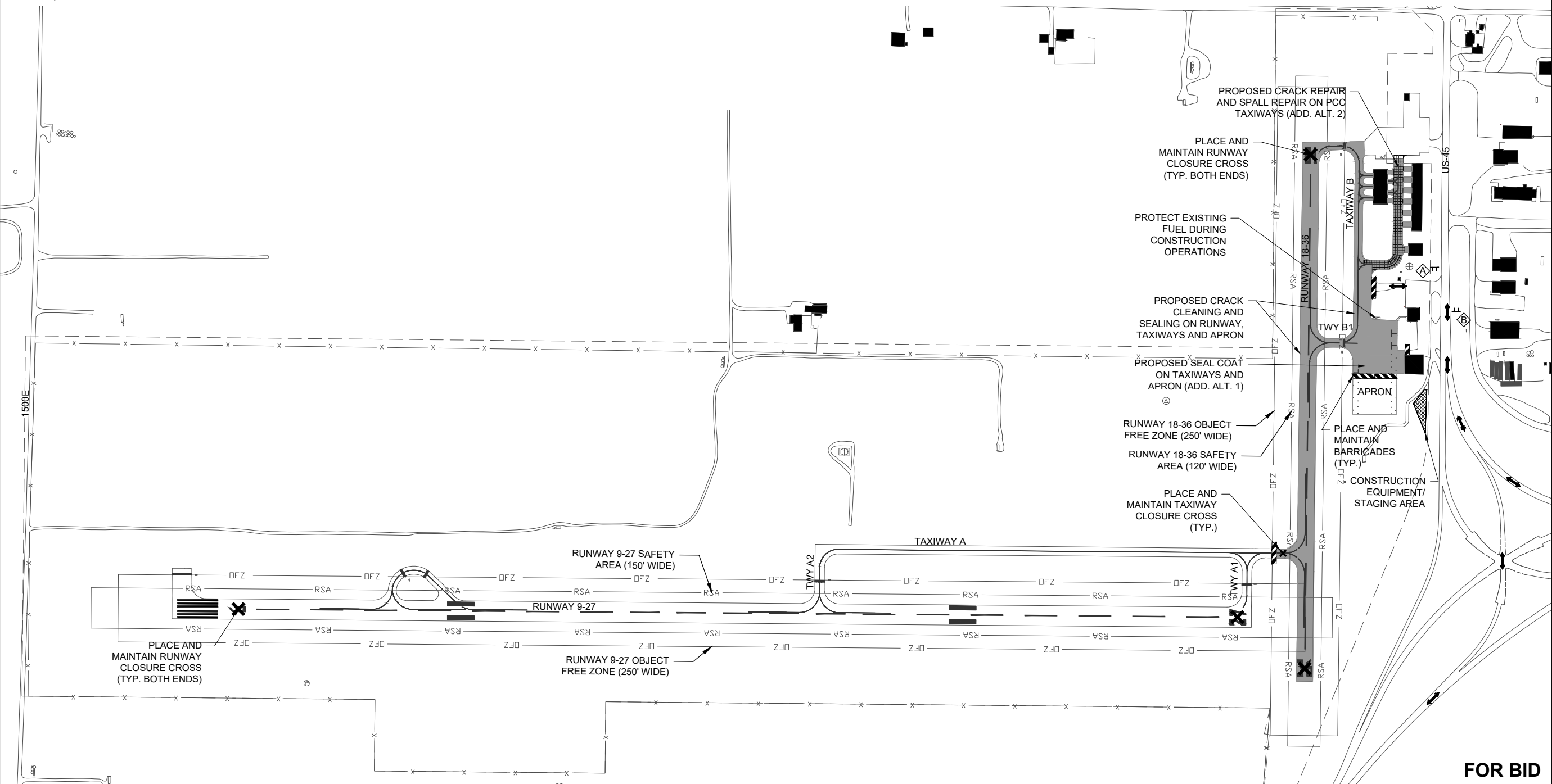
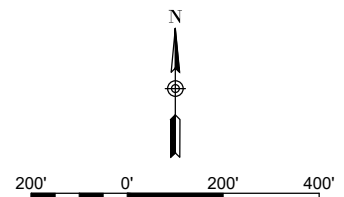
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- EXISTING FENCE
- PROPOSED HAUL ROUTE
- PROPOSED STAGING AREA
- PROPOSED BARRICADES
- PROPOSED CLOSURE CROSSES
- CONSTRUCTION SIGN

PHASE 2 NOTES:

1. THE WORK ITEMS TO BE COMPLETED IN THIS PHASE SHALL INCLUDE PROPOSED ASPHALT SEAL COAT, CLEANING AND SEALING OF BITUMINOUS CRACKS FOR THE APRON, TAXIWAY B AND B1, AND RUNWAY 18/36. REFERENCE MARKING & CONSTRUCTION SHEETS FOR PROPOSED ASPHALT SEAL COAT AREAS.
2. ALL OTHER AIRFIELD PAVEMENTS, EXCLUDING PARKING LOTS AND VEHICULAR ROADS, SHALL BE CLOSED FOR THE DURATION OF THIS PHASE. CLOSURE CROSSES AND BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
3. ALL RUNWAY LIGHTING CIRCUITS AND NAVAIDS SHALL BE TURNED OFF WHILE THE RUNWAYS ARE CLOSED TO AIRCRAFT. EXISTING TAXIWAY EDGE LIGHTS WITHIN THE CLOSED PORTIONS OF THIS PHASE SHALL BE TURNED OFF OR OBSCURED. THE CONTRACTOR SHALL PROVIDE APPROVED MATERIALS TO OBSCURE ALL AFFECTED EDGE LIGHTS. INSTALL AND MAINTAIN THE MATERIALS DURING CONSTRUCTION. ALL COSTS FOR OBSCURING LIGHT SHALL BE INCIDENTAL TO THE PROJECT.
4. AIRPORT SECURITY SHALL BE MAINTAINED THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL BE RESTRICTED TO THE DESIGNATED WORK AREAS. THE CONTRACTOR SHALL ENSURE THAT ACCESS POINTS USED BY CONSTRUCTION VEHICLES AND PERSONNEL ARE MONITORED WHEN OPEN AND LOCKED WHEN NOT IN USE TO PREVENT UNAUTHORIZED ACCESS TO THE AIRPORT MOVEMENT AREA.
5. AT THE COMPLETION OF ALL CONSTRUCTION, THE HAUL ROUTE AND CONSTRUCTION EQUIPMENT PARKING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PER THE SPECIFICATIONS.

SAFETY PLAN COMPLIANCE DOCUMENT

PRIOR TO THE ISSUANCE OF A CONSTRUCTION NOTICE-TO-PROCEED (NTP), THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A SAFETY PLAN COMPLIANCE DOCUMENT IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5370-2G, PARAGRAPH 2.4.2, OR EQUIVALENT SECTION IN SUBSEQUENT/CURRENT ISSUE. THE AIRPORT MANAGER SHALL APPROVE THIS DOCUMENT AND SUBMIT TO THE AIRPORT FOR APPROVAL PRIOR TO THE NTP ISSUANCE.



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AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

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DRAWN BY: AJL 1/15/2024
REVIEWED BY: BSS 3/1/2024

SHEET TITLE

PROPOSED SAFETY AND PHASING PLAN - PHASE 3

SAFETY PLAN COMPLIANCE DOCUMENT

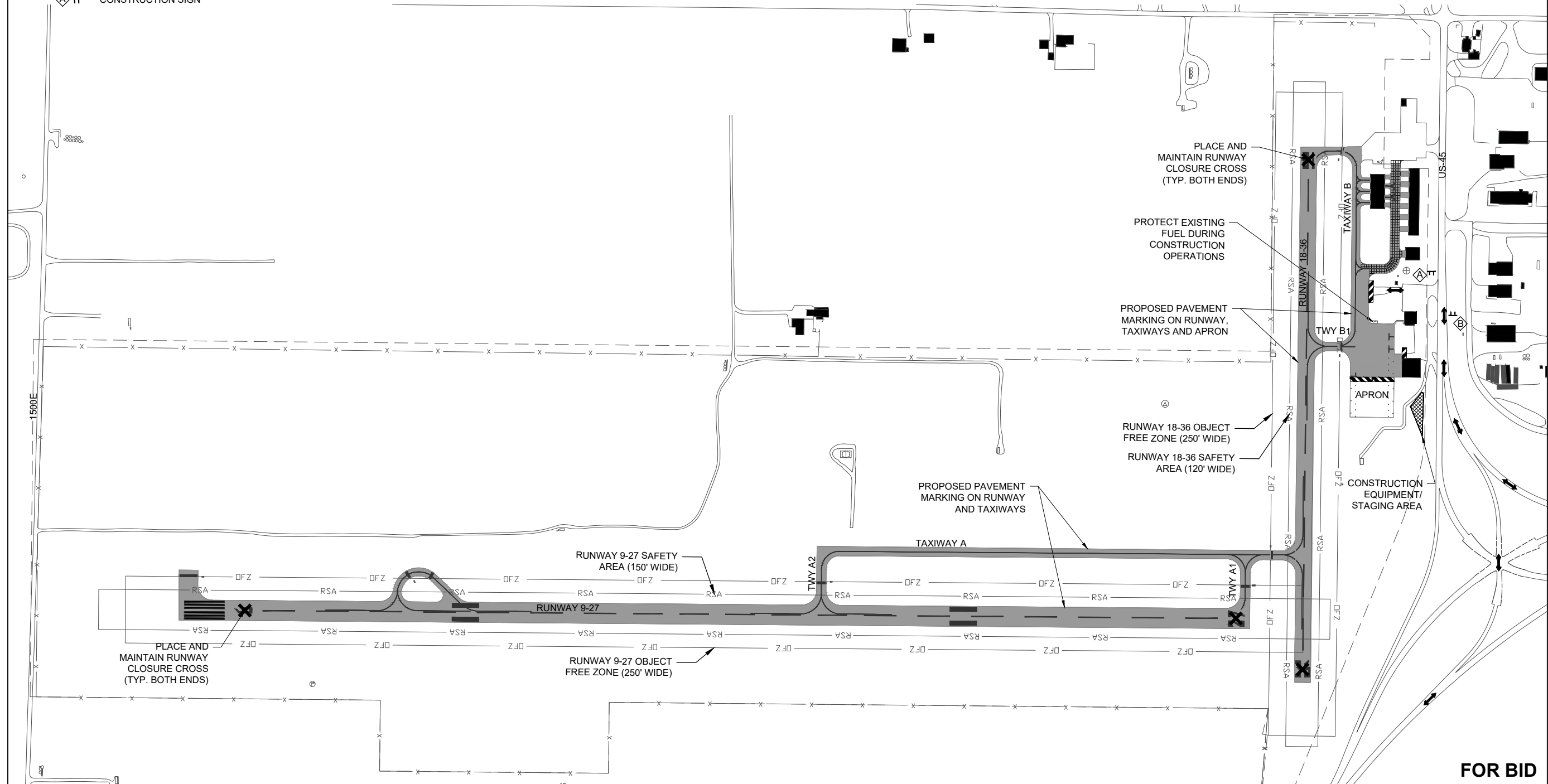
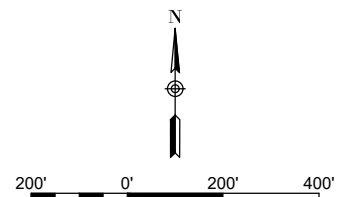
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PHASE 3 NOTES:

1. THE WORK ITEMS TO BE COMPLETED IN THIS PHASE SHALL INCLUDE PAVEMENT MARKINGS FOR THE ENTIRE AIRPORT. A PERIOD OF 30 CALENDAR DAYS (MINIMUM) SHALL ELAPSE BETWEEN THE FINAL PLACEMENT OF THE BITUMINOUS SEAL COAT APPLICATION (IF AWARDED) AND THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS. IF THERE ARE NO REMAINING WORK ITEMS BESIDES THE PERMANENT PAVEMENT MARKINGS, THE OVERALL CONTRACT TIME WILL BE SUSPENDED AND WILL RESUME FOR THE MARKING WORK. IF THE PROJECT IS AWARDED WITHOUT THE ADDITIVE ALTERNATE 1 FOR SEAL COAT, THE CONTRACTOR HAS THE OPTION OF MARKING THE PAVEMENTS WITHIN PHASE 1 AND 2 WITHOUT THE 30 DAY WAIT PERIOD OR WITHIN PHASE 3 WITHOUT THE 30 DAY WAIT PERIOD.
2. ALL AIRFIELD PAVEMENTS, EXCLUDING PARKING LOTS AND VEHICULAR ROADS, SHALL BE CLOSED FOR THE DURATION OF THIS PHASE. CLOSURE CROSSES AND BARRICADES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
3. ALL RUNWAY LIGHTING CIRCUITS AND NAVAIDS SHALL BE TURNED OFF WHILE THE RUNWAYS ARE CLOSED TO AIRCRAFT. EXISTING TAXIWAY EDGE LIGHTS WITHIN THE CLOSED PORTIONS OF THIS PHASE SHALL BE TURNED OFF OR OBSCURED. THE CONTRACTOR SHALL PROVIDE APPROVED MATERIALS TO OBSCURE ALL AFFECTED EDGE LIGHTS. INSTALL AND MAINTAIN THE MATERIALS DURING CONSTRUCTION. ALL COSTS FOR OBSCURING LIGHT SHALL BE INCIDENTAL TO THE PROJECT.
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5. AT THE COMPLETION OF ALL CONSTRUCTION, THE HAUL ROUTE AND CONSTRUCTION EQUIPMENT PARKING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PER THE SPECIFICATIONS.

LEGEND:

- EXISTING PAVEMENTS
- EXISTING GRAVEL ROAD
- PROPOSED WORK AREA
- EXISTING BUILDINGS
- RUNWAY SAFETY AREA
- OBSTACLE FREE ZONE
- AIRPORT PROPERTY LINE
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- CONSTRUCTION SIGN



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AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

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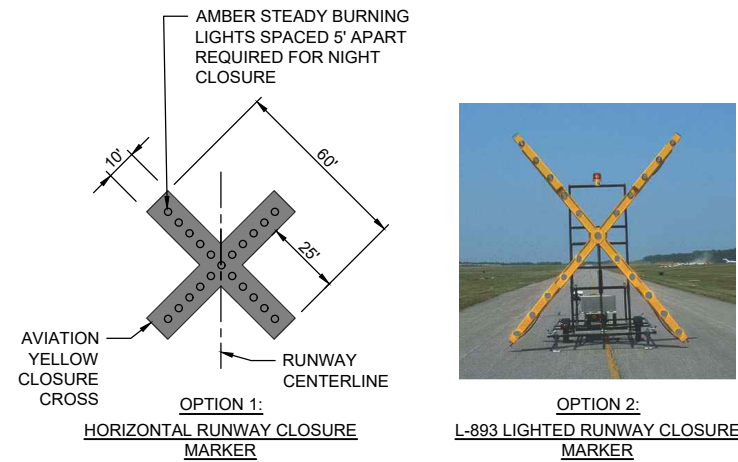
CONSTRUCTION SAFETY DETAILS & NOTES - SHEET 2

CLOSURE CROSS NOTES

1. RUNWAY CLOSURE CROSS MARKINGS SHALL BE LIGHTED DURING DARKNESS AND PERIODS OF REDUCED VISIBILITY. THE LIGHTED MARKERS SHALL BE PLACED OVER THE RUNWAY NUMERALS OR IMMEDIATELY OFF THE END OF THE RUNWAY ON THE EXTENDED CENTERLINE, AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
2. THE CONTRACTOR SHALL PROVIDE THE RUNWAY CLOSURE CROSSES BY ONE OF TWO OPTIONS:

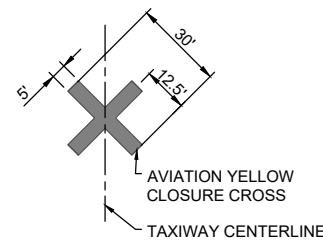
OPTION 1: TEMPORARY CLOSURE CROSS MARKINGS SHALL BE CONSTRUCTED OF PLYWOOD, SNOW FENCE, OR APPROVED FABRIC AND SHALL BE SECURED TO PAVEMENT BY SANDBAGS OR OTHER APPROVED METHOD.

OPTION 2: THE CONTRACTOR SHALL PROVIDE TWO (2) L-893 LIGHTED RUNWAY CLOSURE MARKERS, MEETING THE REQUIREMENTS IN FAA ADVISORY CIRCULAR 150/5345-55 AND SHALL BE IN PLACE AND OPERATING WHENEVER THE RUNWAY IS CLOSED AND REMOVED WHEN THE RUNWAY IS RE-OPENED.
3. TAXIWAY CLOSURE CROSSES SHALL MEET OPTION 1 IN THE ABOVE NOTE.
4. THE CONTRACTOR SHALL MAKE FREQUENT INSPECTION OF THE LIGHTED CROSSES AND MAKE PROMPT REPAIRS AS NECESSARY.
5. THE CONTRACTOR SHALL BE ON-CALL FOR 24-HOUR EMERGENCY MAINTENANCE WHEN LIGHTED CROSSES ARE BEING USED.
6. LIGHTED MARKERS SHALL BE SECURED FROM WIND EFFECTS BY THE CONTRACTOR AS RECOMMENDED BY THE MANUFACTURER.
7. COST FOR PROVIDING, PLACING, OPERATING, MAINTAINING, RELOCATING AND REMOVING CLOSURE CROSSES SHALL BE INCLUDED IN THE COST OF THE TRAFFIC MAINTENANCE.



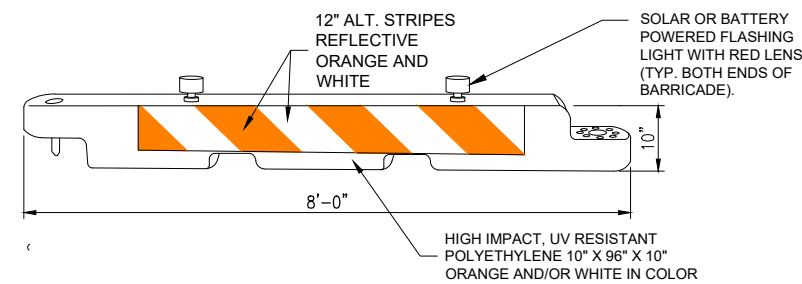
RUNWAY CLOSURE CROSS MARKER DETAIL

NOT TO SCALE



TAXIWAY CLOSURE CROSS MARKER DETAIL

NOT TO SCALE



LOW-PROFILE BARRICADE DETAIL

NOT TO SCALE

DETAIL ABOVE REPRESENTS ONE OPTION FOR LOW-PROFILE BARRICADES. OTHER OPTIONS MAY BE UTILIZED AS LONG AS THEY MEET THE REQUIREMENTS OF THE PROJECT, INCLUDING BARRICADE NOTE 1.

BARRICADE NOTES

1. CLOSED AIRFIELD PHASING AREAS, OPEN TRENCHES, AND STOCKPILED MATERIALS 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.
2. BARRICADES SHALL BE SPACED END TO END THE WIDTH OF THE PAVEMENT IN 4' INCREMENTS. BARRICADES ARE TO BE SET BACK 66' FROM THE ACTIVE TAXIWAY CENTERLINE OR AS SHOWN ON THE PLANS.
3. 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.
4. THE LIGHTING SHALL BE MAINTAINED IN OPERATION DURING THE HOURS OF DARKNESS BETWEEN 1/2 HOUR BEFORE SUNSET AND 1/2 HOUR AFTER SUNRISE AND WHEN CONDITIONS EXIST WHICH TEND TO OBSCURE VISION.
5. BARRICADES SHALL BE SECURED TO THE GROUND BY APPROVED METHODS TO PREVENT MOVEMENT BY PROP WASH, JET BLAST OR OTHER WIND CURRENTS.
6. 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.
7. COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING BARRICADES SHALL BE INCLUDED IN THE COST OF THE TRAFFIC MAINTENANCE.



DATE SIGNED: 3/1/2024 LICENSE EXPIRES: 11/30/2025

AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

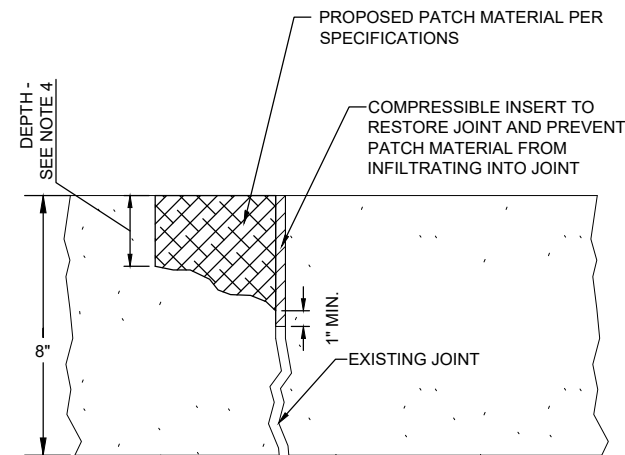
IL. PROJ. No: FWC-5127
Contract No. FA009

NO.	DATE	DESCRIPTION		
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PROJECT NO: 23A1035.00
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DESIGN BY: AJL 1/15/2024
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REVIEWED BY: BSS 3/1/2024

SHEET TITLE

PCC PAVEMENT REPAIR DETAILS (ADD. ALT. 2)

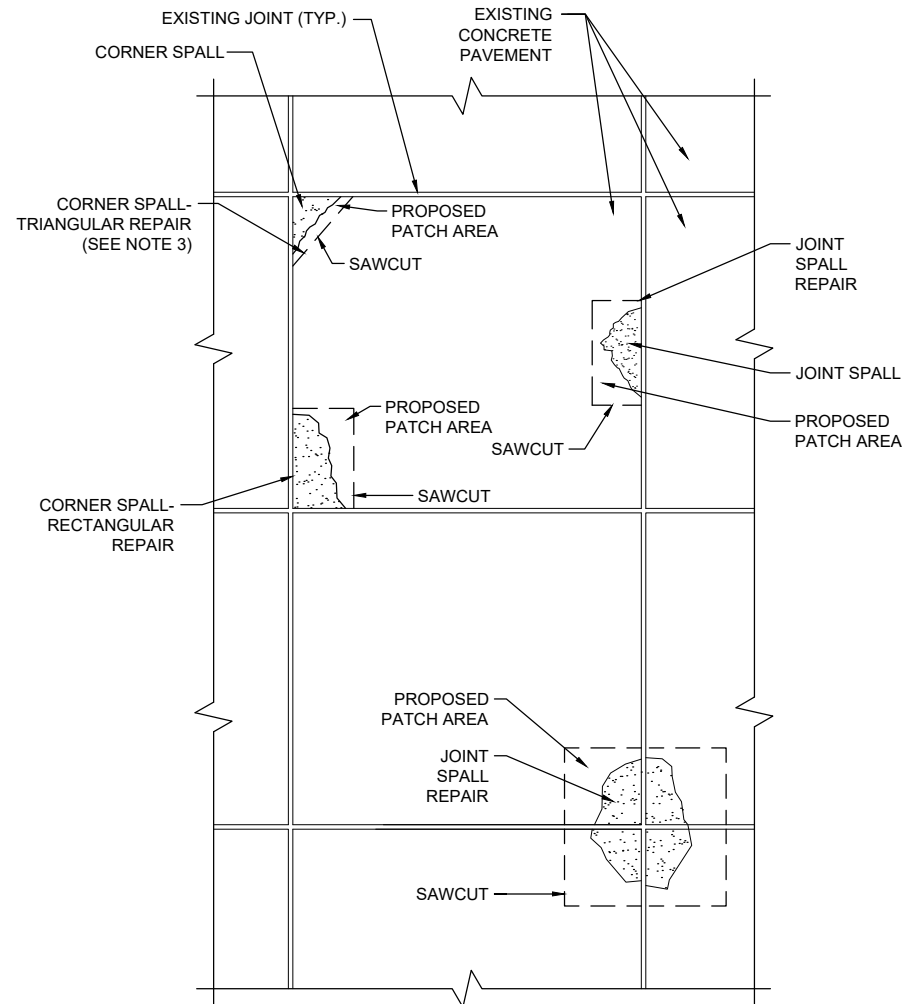


PARTIAL DEPTH SPALL REPAIR
SECTION VIEW
NOT TO SCALE

PARTIAL DEPTH SPALL REPAIR NOTES

PARTIAL DEPTH SPALL REPAIR SHALL CONSIST OF THE REPAIR OF MINOR CRACKS AND SPALLING AT SLAB CORNERS AND ALONG JOINTS IN THE CONCRETE PAVEMENT. THE DETERIORATED CONCRETE WILL BE REMOVED, THE PATCH AREA CLEANED, AND PATCH MATERIAL PLACED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, MIXING, PLACEMENT, CONSOLIDATION, SCREEDING, AND CURING OF THE PATCHING MATERIAL.

- REPAIR DETAILS SHOWN ARE INTENDED FOR REMOVAL AND REPLACEMENT OF ALL DETERIORATED CONCRETE AND TO MAINTAIN THE AREA OF THE SPALL REPAIR TO THE MINIMUM PRACTICAL SIZE TO ENSURE A LASTING REPAIR WHILE AVOIDING UNNECESSARY REMOVAL OF SOUND CONCRETE. ALL PAVEMENT REPAIR AREAS WILL BE MARKED BY THE RESIDENT ENGINEER/TECHNICIAN AT THE TIME OF CONSTRUCTION.
- THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS IN SUCH A MANNER AS TO ONLY REPAIR THOSE AREAS WHICH CAN BE COMPLETED BY THE END OF EACH WORK PERIOD.
- THE RESIDENT ENGINEER/TECHNICIAN WILL MARK OUT THE REMOVAL LIMITS FOR THE AREA TO BE REPAIRED. A 2" (MIN.) DEPTH CUT SHALL BE MADE AROUND THE PERIMETER OF THE PATCH AREA TO PROVIDE A VERTICAL FACE AT THE EDGE AND SUFFICIENT DEPTH FOR THE PATCH. FOR CORNER SPALLS, THE REPAIR SHALL BE TRIANGULAR-SHAPED TO MINIMIZE THE SIZE OF THE REPAIR AREA, UNLESS MARKED OTHERWISE BY THE RESIDENT ENGINEER/TECHNICIAN.
- PAVEMENT AND UNSOUND CONCRETE WITHIN SAWCUTS SHALL BE BROKEN OUT AND REMOVED TO A DEPTH NOT LESS THAN 2 IN., OR 1/2 IN. INTO VISUALLY SOUND CONCRETE, WHICHEVER IS DEEPER. EXPOSED CAVITY SURFACES SHALL BE CLEANED AS SPECIFIED. IN REMOVING THE CONCRETE WITHIN THE PATCH AREA, THE CONTRACTOR SHALL BE CAUTIOUS AS TO NOT DAMAGE OR FRACTURE THE CONCRETE BELOW THE REQUIRED DEPTH. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- AFTER REMOVAL OF THE CONCRETE, THE SURFACE OF THE PATCH AREA SHALL BE PREPARED AND THE PATCH COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE PROJECT SPECIFICATIONS.
- WHERE SPALL REPAIRS ARE REQUIRED ON EACH SIDE OF A JOINT OR CRACK, THE SPALL SHALL BE REPAIRED PRIOR TO JOINT CLEANING AND SEALING OPERATIONS. UNDER NO CIRCUMSTANCE WILL A SPALL REPAIR BRIDGE A JOINT OR CRACK UNLESS THE JOINT IS THEN RE-ESTABLISHED ACROSS THE NEW SPALL REPAIR MATERIAL, WHICH SHALL BE CONSIDERED INCIDENTAL TO THE SPALL REPAIR CONSTRUCTION.
- THE "RUN-OUT" OF THE SAW CUTS INTO THE EXISTING SLAB SHALL BE FILLED WITH THE SAME SILICONE SEALANT AS USED IN THIS PROJECT FOR RESEALING THE JOINTS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SEALING THE "RUN-OUT" SAW CUT AREAS.
- ALL REPAIR AREAS SHALL EXTEND A MINIMUM OF 1 INCH PAST THE SPALL OR CRACK REPAIR AREA INTO SOUND CONCRETE.



PARTIAL DEPTH SPALL REPAIR
PLAN VIEW
NOT TO SCALE



DATE SIGNED: 3/1/2024 LICENSE EXPIRES: 11/30/2025

AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

IL. PROJ. No: FWC-5127
Contract No. FA009

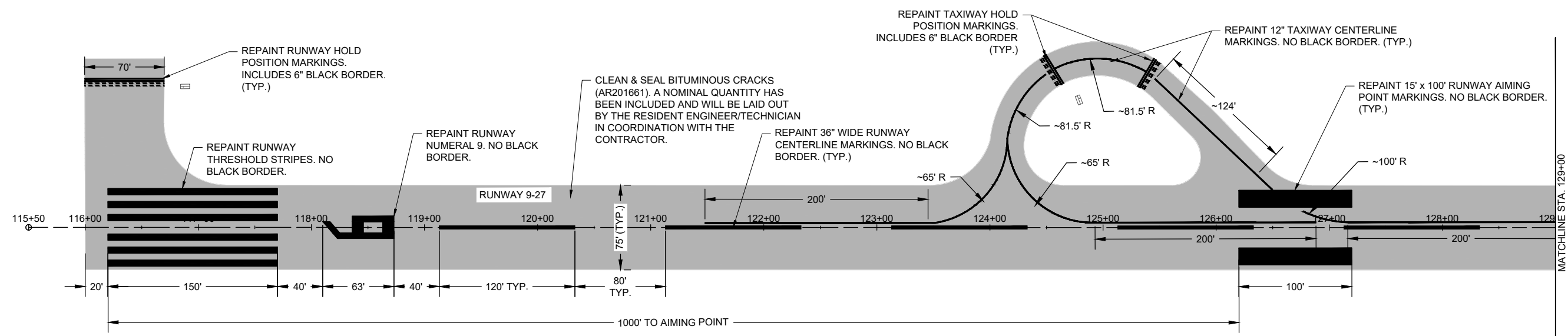
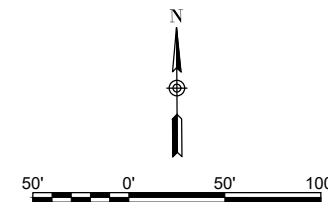
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

SHEET TITLE

CONSTRUCTION
PLAN RWY 9-27 - STA.
116+00 TO STA.
143+00

LEGEND:

- EXISTING PAVEMENTS
- PROPOSED WORK LIMITS
- EXISTING BUILDINGS

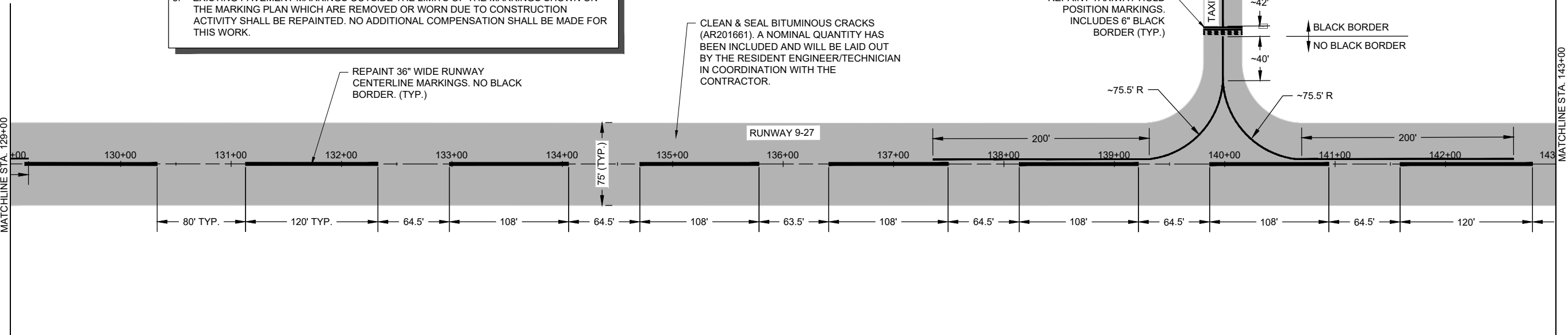


PAVEMENT MARKING NOTES

1. A PERIOD OF 30 CALENDAR DAYS (MINIMUM) SHALL ELAPSE BETWEEN THE FINAL PLACEMENT OF THE BITUMINOUS SEAL COAT APPLICATION (IF AWARDED) AND THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS. IF THERE ARE NO REMAINING WORK ITEMS BESIDES THE PERMANENT PAVEMENT MARKINGS, THE OVERALL CONTRACT TIME WILL BE SUSPENDED AND WILL RESUME FOR THE MARKING WORK.
2. TYPE B GLASS BEADS SHALL BE REQUIRED FOR ALL WHITE AND YELLOW PERMANENT PAINT MARKINGS. GLASS BEADS ARE NOT REQUIRED FOR TEMPORARY MARKINGS OR BLACK PAINT. REFER TO SPECIFICATION ITEM 620 FOR ADDITIONAL INFORMATION.
3. PAINT SHALL MEET REQUIREMENTS OF TECHNICAL SPECIFICATION 620, WATERBORNE PAINT.
4. IMMEDIATELY PRIOR TO THE APPLICATION OF PAINT, ALL SURFACES SHALL BE DRY AND FREE FROM DIRT, GREASE, OIL, LAITANCE, OR OTHER FOREIGN MATERIAL WHICH WOULD REDUCE THE BOND BETWEEN THE PAINT AND THE PAVEMENT. THIS SHALL INCLUDE PAINTED AREAS ON THE EXISTING PAVEMENTS. REFER TO SPECIFICATION ITEM 620-3.3 FOR ADDITIONAL INFORMATION.
5. EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF THE MARKINGS SHOWN ON THE MARKING PLAN WHICH ARE REMOVED OR WORN DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAINTED. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR THIS WORK.

ELECTRICAL NOTES

1. THE CONTRACTOR SHALL EXAMINE THE SITE TO CONFIRM AND FIELD VERIFY EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING, DISCONNECTING, WORKING ON, RELOCATING, RECONNECTING, AND/OR INSTALLING THE RESPECTIVE AIRFIELD LIGHTING, TAXI SIGN, NAVIAD, OR OTHER DEVICES. CONTRACTOR SHALL REPORT ANY VARIATIONS, DEFICIENCIES, AND/OR APPARENT SAFETY CONCERNS TO THE RESIDENT ENGINEER/TECHNICIAN.
2. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT MANAGER/DIRECTOR AND RESIDENT ENGINEER/TECHNICIAN.



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FOR BID



DATE SIGNED: 3/1/2024 LICENSE EXPIRES: 11/30/2025

AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

IL. PROJ. No: FWC-5127
Contract No. FA009

NO.	DATE	DESCRIPTION		
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ISSUE: MARCH 1, 2024
PROJECT NO: 23A1035.00
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SHEET TITLE

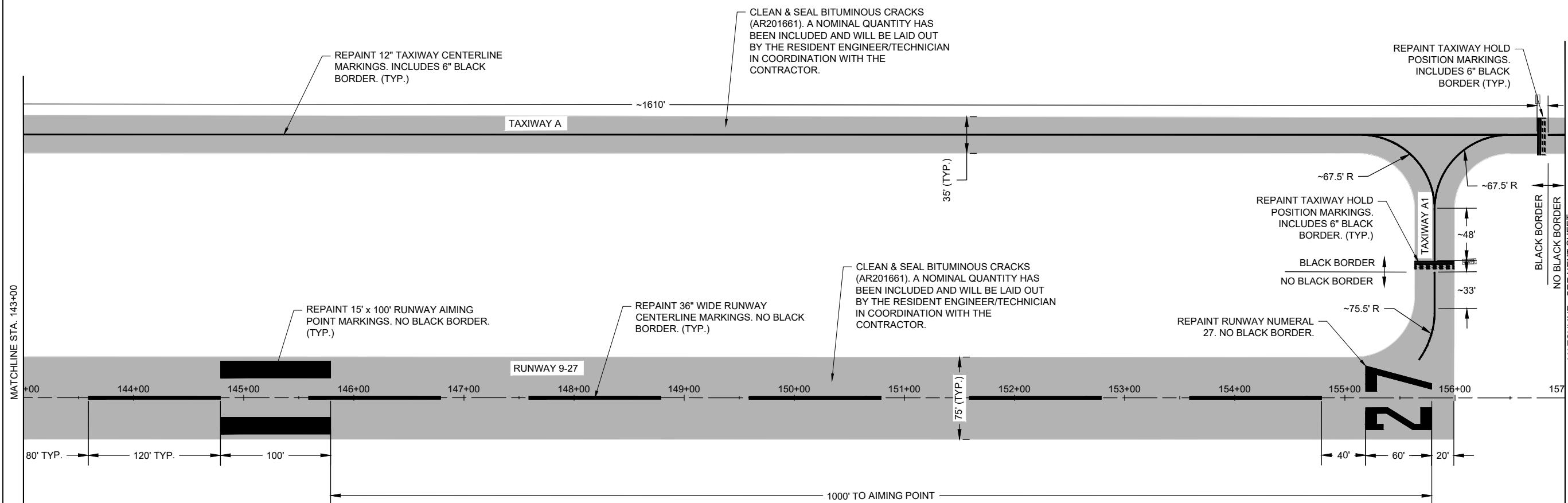
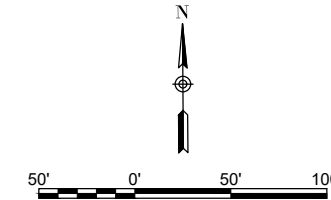
CONSTRUCTION
PLAN RWY 9-27 - STA.
143+00 TO STA.
157+00

LEGEND:

- EXISTING PAVEMENTS
- PROPOSED WORK LIMITS
- EXISTING BUILDINGS

PAVEMENT MARKING NOTES

1. A PERIOD OF 30 CALENDAR DAYS (MINIMUM) SHALL ELAPSE BETWEEN THE FINAL PLACEMENT OF THE BITUMINOUS SEAL COAT APPLICATION (IF AWARDED) AND THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS. IF THERE ARE NO REMAINING WORK ITEMS BESIDES THE PERMANENT PAVEMENT MARKINGS, THE OVERALL CONTRACT TIME WILL BE SUSPENDED AND WILL RESUME FOR THE MARKING WORK.
2. TYPE B GLASS BEADS SHALL BE REQUIRED FOR ALL WHITE AND YELLOW PERMANENT PAINT MARKINGS. GLASS BEADS ARE NOT REQUIRED FOR TEMPORARY MARKINGS OR BLACK PAINT. REFER TO SPECIFICATION ITEM 620 FOR ADDITIONAL INFORMATION.
3. PAINT SHALL MEET REQUIREMENTS OF TECHNICAL SPECIFICATION 620, WATERBORNE PAINT.
4. IMMEDIATELY PRIOR TO THE APPLICATION OF PAINT, ALL SURFACES SHALL BE DRY AND FREE FROM DIRT, GREASE, OIL, LAITANCE, OR OTHER FOREIGN MATERIAL WHICH WOULD REDUCE THE BOND BETWEEN THE PAINT AND THE PAVEMENT. THIS SHALL INCLUDE PAINTED AREAS ON THE EXISTING PAVEMENTS. REFER TO SPECIFICATION ITEM 620-3.3 FOR ADDITIONAL INFORMATION.
5. EXISTING PAVEMENT MARKINGS OUTSIDE THE LIMITS OF THE MARKINGS SHOWN ON THE MARKING PLAN WHICH ARE REMOVED OR WORN DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAINTED. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR THIS WORK.



FOR BID



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AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

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REVIEWED BY: BSS 3/1/2024

SHEET TITLE

CONSTRUCTION
PLAN RWY 18-36 -
STA. 11+50 TO STA.
21+50

LEGEND:

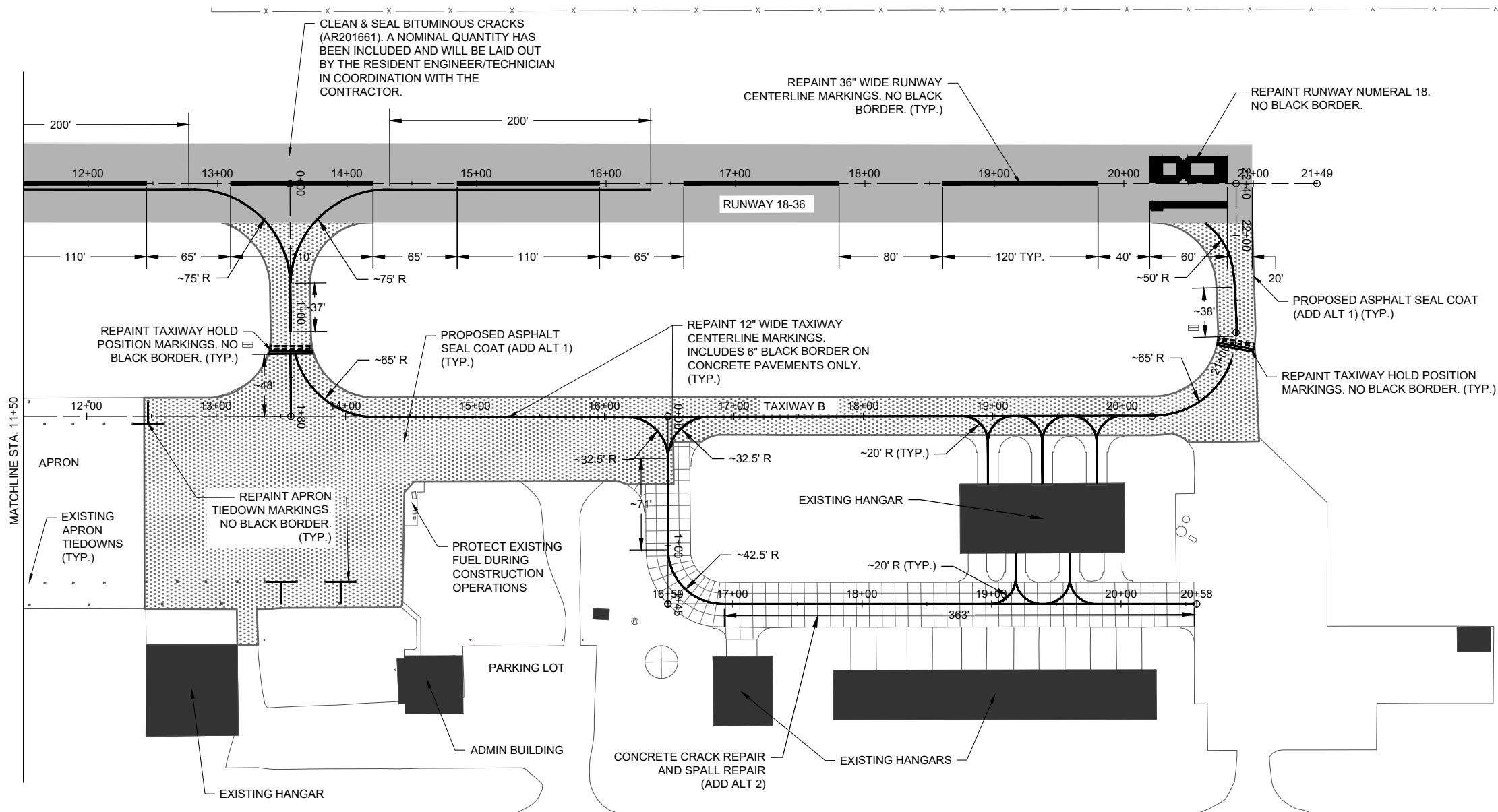
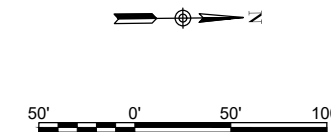
- EXISTING PAVEMENTS
- PROPOSED WORK LIMITS
- PROPOSED ASPHALT SEAL COAT
- EXISTING BUILDINGS

PAVEMENT MARKING NOTES

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MARKING QUANTITIES

WHITE MARKING	
DESCRIPTION	TOTAL AREA
RUNWAY 9-27 CENTERLINES	6,660
RUNWAY DESIGNATOR NUMERAL 9	712
RUNWAY DESIGNATOR NUMERAL 27	1,123
RUNWAY 9-27 AIMING POINTS	6,000
RUNWAY 9-27 THRESHOLD STRIPE	5,175
RUNWAY 18-36 CENTERLINES	3,420
RUNWAY DESIGNATOR NUMERAL 18	1,194
RUNWAY DESIGNATOR NUMERAL 36	1,346
TOTAL WHITE	25,630
YELLOW MARKING	
TAXIWAY CENTERLINES	7,120
TAXIWAY HOLD POSITIONS	882
APRON TIEDOWNS	117
TOTAL YELLOW	8,119
BLACK MARKING	
TAXIWAY HOLD POSITIONS	1,171
TAXIWAY CENTERLINES	2,697
TOTAL BLACK	3,868



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FOR BID



DATE SIGNED: 3/1/2024 LICENSE EXPIRES: 11/30/2025

AIRFIELD PAVEMENT MAINTENANCE AND PAVEMENT MARKINGS

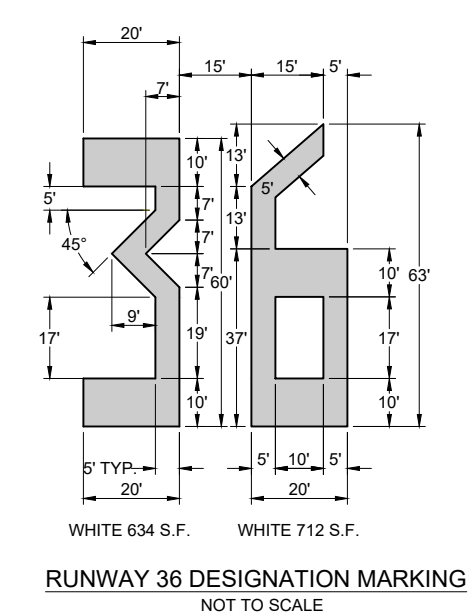
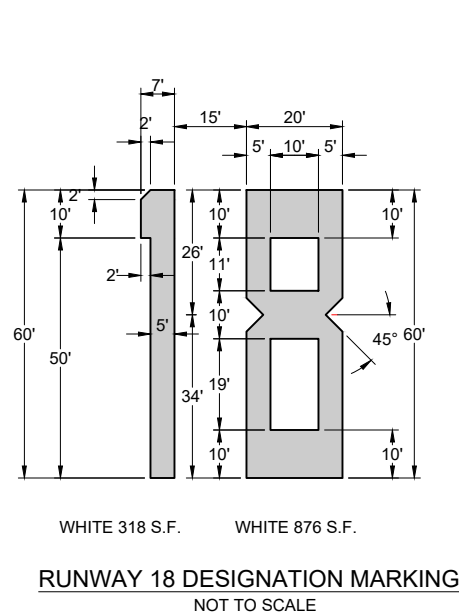
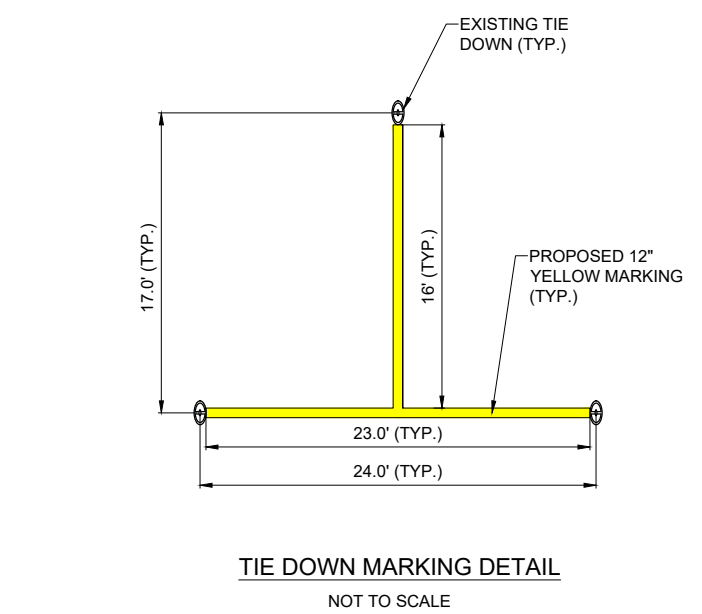
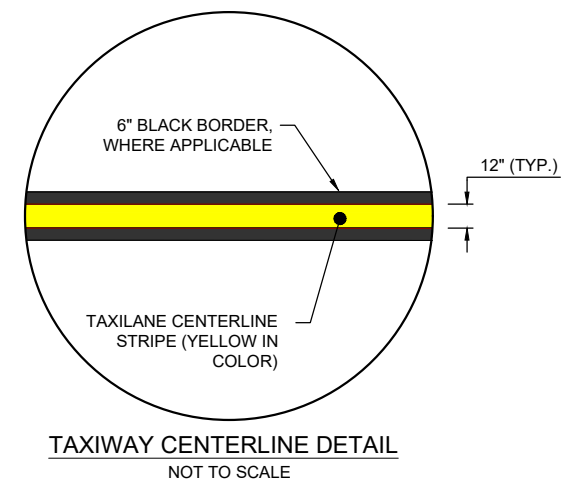
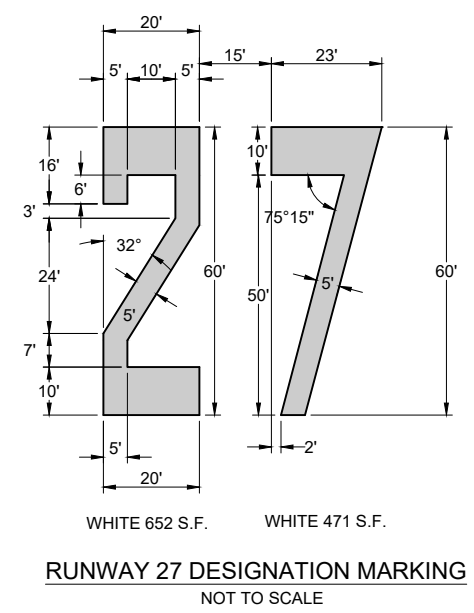
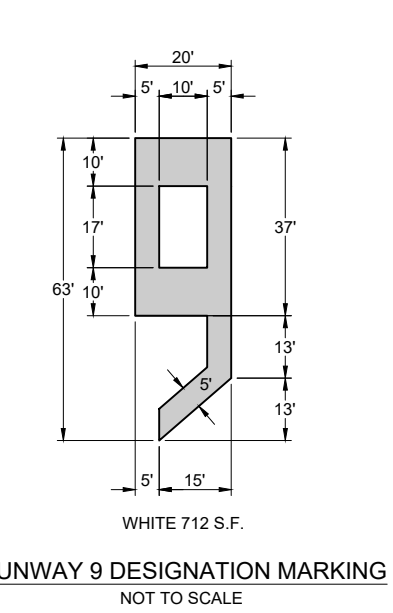
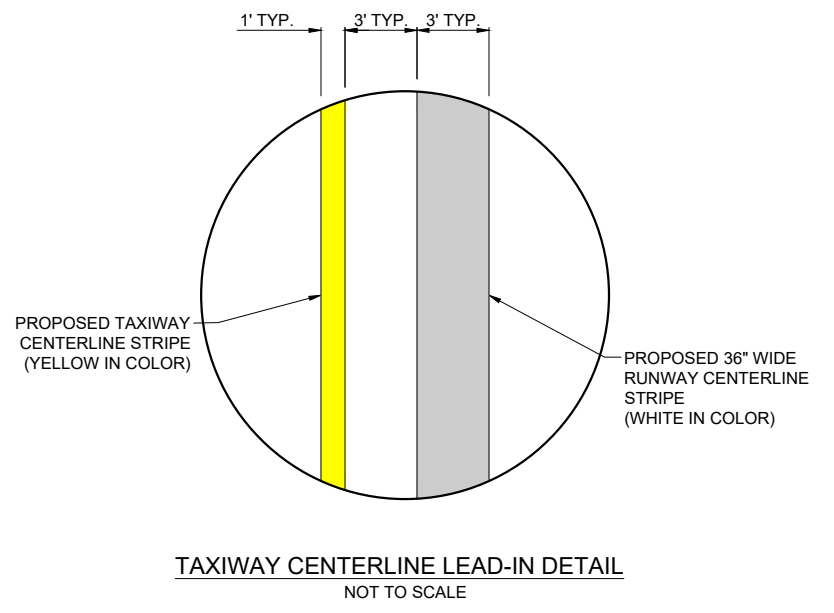
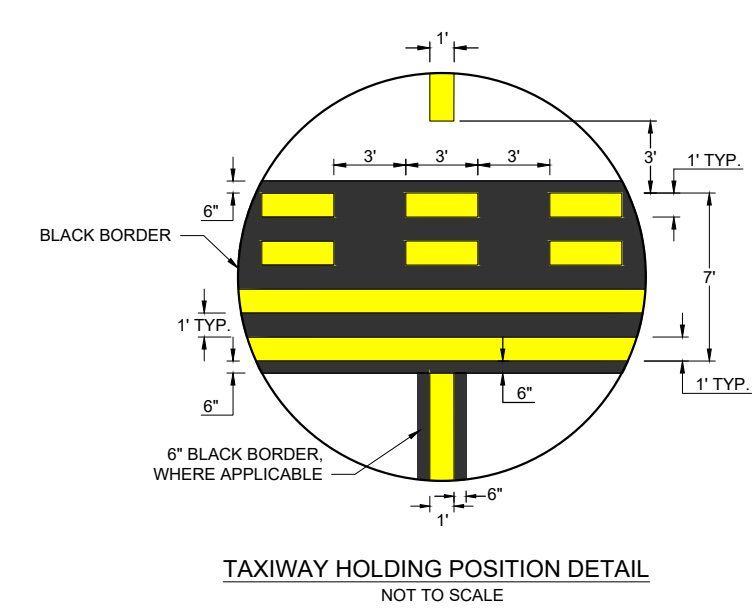
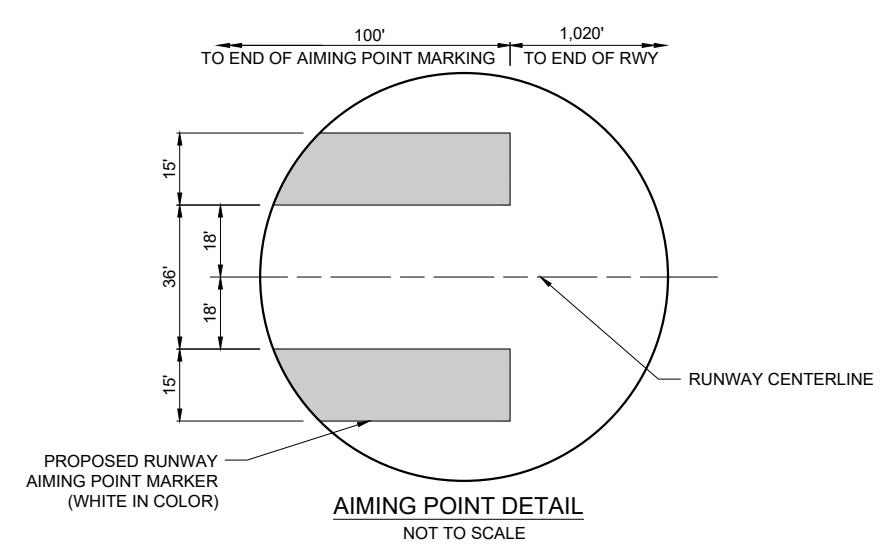
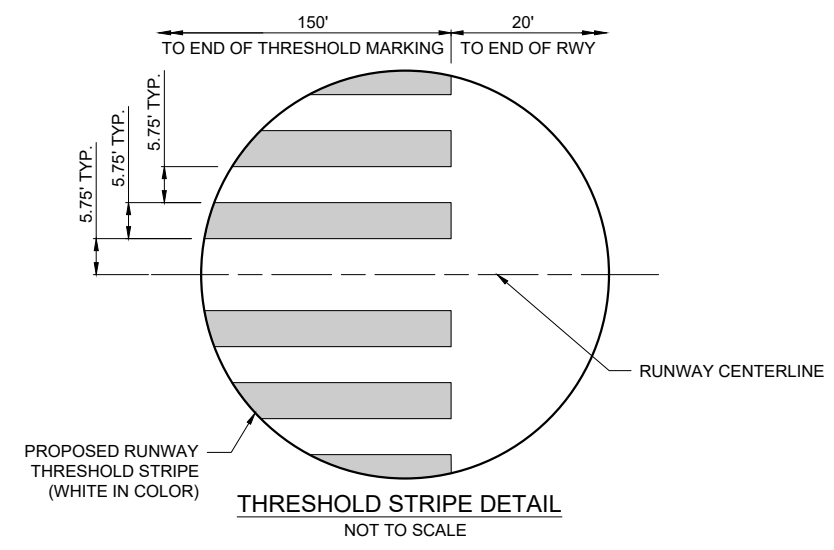
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REVIEWED BY: BSS 3/1/2024

SHEET TITLE

PROPOSED MARKING DETAILS



- RUNWAY DESIGNATION MARKING NOTES**
- ALL NUMERAL MARKING WILL BE WHITE IN COLOR.
 - NUMERALS ARE HORIZONTALLY SPACED 15 FEET APART.
 - DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.

FOR BID

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