FL034 **TOTAL SHEETS = 8**

CONSTRUCTION PLANS

MAINTAIN AND REMARK RUNWAY 3-21 AND OTHER **AIRFIELD PAVEMENTS**

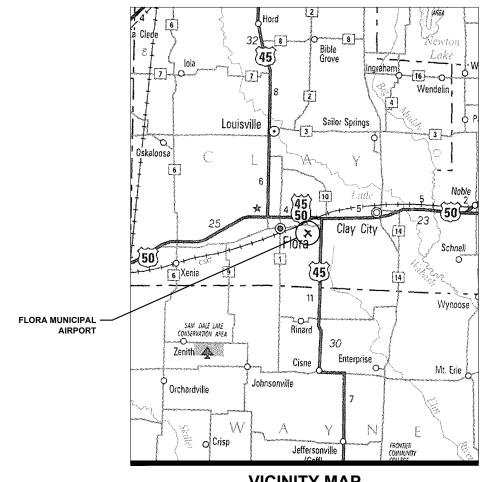
AIRPORT AUTHORITY OF FLORA FLORA MUNICIPAL AIRPORT (FOA) FLORA, CLAY COUNTY, ILLINOIS

IDA PROJECT NO. FOA-4928 SBG PROJECT NO. 3-17-SBGP-171/184

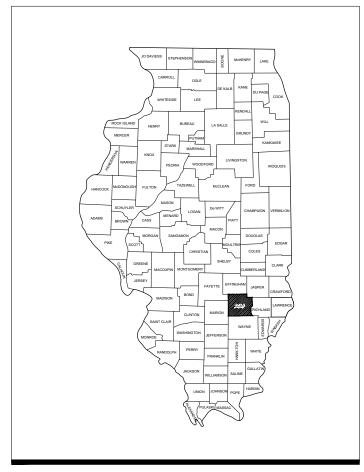
100% SUBMITTAL NOVEMBER 18, 2022

NOTICE TO CONTRACTORS AND BIDDERS

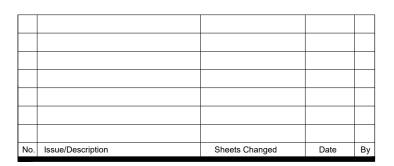
THESE CONSTRUCTION PLANS RELY UPON THE PROJECT MANUAL TO PROVIDE FOR A COMPLETE DESCRIPTION OF THE WORK AND CONSTRUCTION REQUIREMENTS. THE PLANS SHALL ONLY BE USED IN COMBINATION WITH ALL CONTRACT DOCUMENTS.







LOCATION MAP







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 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.
- 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. THE CONTRACTOR SHALL PROVIDE ALL LAYOUT NEEDS, BOTH VERTICALLY AND HORIZONTALLY.
- 11. ALL REQUESTS FOR INFORMATION SHALL BE PROVIDED IN WRITING AND ALL DIRECTIVES SHALL BE RECEIVED IN WRITING.
- 12. CHANGES TO THE PROJECT SHALL NOT BE INCORPORATED INTO THE PROJECT UNTIL EXPRESSLY APPROVED BY THE ENGINEER.
- 13. THE BUY AMERICAN WAIVER, IF REQUIRED FOR PROJECT, SHALL BE APPLIED FOR BY THE OWNER USING DATA COMPILED AND PROVIDED BY THE CONTRACTOR SHOWING DOMESTIC VERSUS NON-DOMESTIC CONTENT. THE WAIVER SHALL BE APPROVED PRIOR TO NOTICE TO PROCEED BEING ISSUED. NO DELAY MAY BE CLAIMED BY THE CONTRACTOR RELATED TO DURATION TO OBTAIN APPROVAL OF THE WAIVER.
- 14. NPDES PERMIT THIS PROJECT WILL NOT DISTURB MORE THAN 1 ACRE, THEREFORE A NPDES PERMIT IS NOT REQUIRED.
- 15. 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.
- 16. <u>CERTIFIED PAYROLLS</u> PAY APPLICATIONS <u>CANNOT</u> BE PROCESSED FOR PAYMENT UNTIL <u>ALL</u> CERTIFIED PAYROLLS FOR THAT PERIOD HAVE BEEN RECEIVED.

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	CLAY
CITY	FLORA
TOWNSHIP	STANFORD
SECTION NO.	29
ADDRESS	FLORA MUNICIPAL AIRPOR
	1 AIRPORT ROAD
	FLORA, ILLINOIS 62839

INDEX TO SHEETS				
SHEET NO.	SHEET TITTLE			
1	COVER SHEET			
2	SUMMARY OF QUANTITIES AND INDEX OF SHEETS			
3	SCOPE OF WORK PLAN			
4	CONSTRUCTION PHASING PLAN			
5	SAFETY NOTES AND DETAILS			
6	MARKING & CONSTRUCTION PLAN - RWY 3-21 SHEET 1			
7	MARKING & CONSTRUCTION PLAN - RWY 3-21 SHEET 2			
8	MARKING DETAILS			

SUMMARY OF QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY	
AR150520	MOBILIZATION	L SUM	1.0		
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	FOOT	2,000.0		
AR608510	EXISTING ASPHALT SURFACE TREATMENT	SQ YD	48,135.0		
AR608530	FRICTION TESTING	L SUM	1.0		
AR620520	PAVEMENT MARKING-WATERBORNE	SQ FT	30,783.0		
AR620525	PAVEMENT MARKING-BLACK BORDER	SQ FT	7,583.0		
AR620900	PAVEMENT MARKING REMOVAL	SQ FT	8,400.0		

MARKING QUANTITIES					
WHITE MAKRING					
DESCRIPTION	TOTAL AREA				
RUNWAY 3-21 CENTERLINES	8,010				
RUNWAY DESIGNATOR NUMERAL 3	634				
RUNWAY DESIGNATOR NUMERAL 21	968				
AIMING POINT	9,000				
THRESHOLD STRIPE	10,350				
TOTAL WHITE MARKING	28,962				
YELLOW MARKING					
TAXIWAY LEAD-IN LINES	1,545				
TAXIWAY HOLD POSITIONS	276				
TOTAL YELLOW MARKING	1,821				
BLACK MARKING					
RUNWAY 3-21 CENTERLINES	2,758				
RUNWAY DESIGNATOR NUMERAL 3	103				
RUNWAY DESIGNATOR NUMERAL 21	174				
AIMING POINT	664				
THRESHOLD STRIPE	1,881				
TAXIWAY LEAD-IN LINES	1,545				
TAXIWAY HOLD POSITIONS	458				
TOTAL BLACK MARKING	7,583				



Offices Nationwide www.hanson-inc.com

Hanson Professional Services Inc. 1525 S. 6th Street Springfield, IL 62568 phone: 217-788-2450 fax: 217-788-2503

Illinois Licensed Professional Service Corporation #184-001084

FLORA MUNICIPAL AIRPORT

1 AIRPORT ROAD FLORA. ILLINOIS 62839

MAINTAIN AND REMARK RUNWAY 3-21 AND OTHER AIRFIELD PAVEMENTS

IDA No: FOA-4928

SBG No: 3-17-SBGP-171/184

NO. DATE DESCRIPTION
DES DWN REV

ISSUE: 11/18/22

PROJECT NO: 22A0102D

CAD FILE: G-002-SQ.DWG
DESIGN BY: NLD 10/21/2022
DRAWN BY: NLD 10/21/2022
REVIEWED BY: LDH 11/17/22

SHEET TITLE

SUMMARY OF QUANTITIES AND INDEX OF SHEETS

CONSTRUCTION SAFETY PLAN

- SCOPE OF WORK THE PROPOSED WORK CONSISTS OF APPLYING AN ASPHALT SURFACE TREATMENT TO EXISTING ASPHALT PAVEMENT RUNWAY 3-21. WORK WILL ALSO INCLUDE PAVEMENT MARKING, MARKING REMOVAL AS NEEDED, AND CRACK SEALING.
- PROJECT SCHEDULE DUE TO AIRPORT ACTIVITY CONSTRUCTION START WILL BE DELAYED
- AT NO TIME MAY RUNWAY 3-21 AND 15-33 BE CLOSED CONCURRENTLY, EXCEPT DURING PHASE 2 WHILE WORKING WITHIN THE RUNWAY INTERSECTION.
- GENERAL THE FLORA AIRPORT IS COMPRISED OF TWO RUNWAYS: A SOD RUNWAY 15-33 AND A PAVED RUNWAY 3-21. THIS PROJECT REQUIRES THE CONTRACTOR TO LIMIT THE EQUIPMENT HEIGHT TO 25' WHILE WORKING UNDER THE RUNWAY APPROACHES.
- IDENTIFICATION WHEN THE CONTRACTORS VEHICLES AND EQUIPMENT ARE ON THE AIRPORT PROPERTY THEY SHALL BE PROPERLY MARKED WITH THREE (3') FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE). THE CONTRACTOR WILL ALSO PROVIDE WORKERS WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THE PERSON AS BEING PART OF THE CONSTRUCTION CREW.
- RADIO CONTROL THE CONTRACTOR WILL BE REQUIRED TO BE IN TWO-WAY RADIO CONTACT (122.70 MHz.) WITH THE AIRPORT UNICOM. THIS WILL KEEP THE CONTRACTOR IN CONSTANT

- THE CONTRACTOR IN CASE OF AN AERONAUTIC EMERGENCY THAT WOULD REQUIRE ACTION BY THE CONTRACTOR AND/OR HIS PERSONNEL.
- AIRPORT SECURITY WILL BE MAINTAINED AT ALL TIMES. ONLY CONTRACTOR EMPLOYEES SHALL BE ALLOWED WITHIN THE PROJECT LIMITS. GATES SHALL BE CLOSED AT ALL TIMES UNLESS THE CONTRACTOR IS IN A CONTINUOUS HAULING OPERATIONS, DURING WHICH TIME HE WILL PROVIDE A PERSON TO MONITOR THE GATE AREA.
- THE CONTRACTOR WILL USE THE AGGREGATE DRIVE AND ENTRANCE TO THE PROPERTY AS THE DESIGNATED HAUL ROUTE. THE CONTRACTOR SHALL PARK EQUIPMENT AND PLACE MATERIALS WITHIN THE LIMITS OF THE SUBJECT PROPERTY. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN THE PROPOSED HAUL ROUTE AND SUBJECT PROPERTY THROUGHOUT THE COURSE OF THE PROJECT. ANY AREAS DAMAGED OUTSIDE OF THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AND AT THE CONTRACTOR'S OWN EXPENSE. AT THE CONCLUSION OF THE PROJECT THE CONTRACTOR WILL RESTORE THE HAUL ROUTE AND PARKING AREA TO ITS ORIGINAL STATE. RESTORATION OF THE HAUL ROUTE AND ANY AREAS USED FOR PARKING WILL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL CONSTRUCTION EQUIPMENT ON THE AIRPORT SHALL BE MARKED, LIGHTED AND/OR FLAGGED IN ACCORDANCE WITH AC 150/5210-5 (CURRENTEDITION) AND 70/7460-1 (CURRENT

CONTROL POINTS					
POINT#	DESCRIPTION	NORTHING	EASTING	GROUND (MSL)	HEIGHT (AGL)
1	CONSTRUCTION EQUIPMENT 1	729051.8980	950322.8585	471'	25'
2	CONSTRUCTION EQUIPMENT 2	729011.9008	950323.3259	471'	25'
3	HAUL ROUTE	729060.2350	950754.5369	467'	25'
4	BARRICADE 1	729055.6705	950798.6623	467'	2'
5	BARRICADE 2	728707.1935	950599.7718	463'	2'
6	BARRICADE 3	727805.6323	950073.5601	462'	2'
7	BARRICADE 4	727279.7753	950386.5154	465'	2'
8	BARRICADE 5	727391.5787	950142.2234	464'	2'
9	BARRICADE 6	727686.7820	950310.7084	462'	2'



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FLORA MUNICIPAL **AIRPORT**

1 AIRPORT ROAD FLORA, ILLINOIS 62839

MAINTAIN AND REMARK **RUNWAY 3-21 AND** OTHER AIRFIELD **PAVEMENTS**

IDA No: FOA-4928

SBG No: 3-17-SBGP-171/184

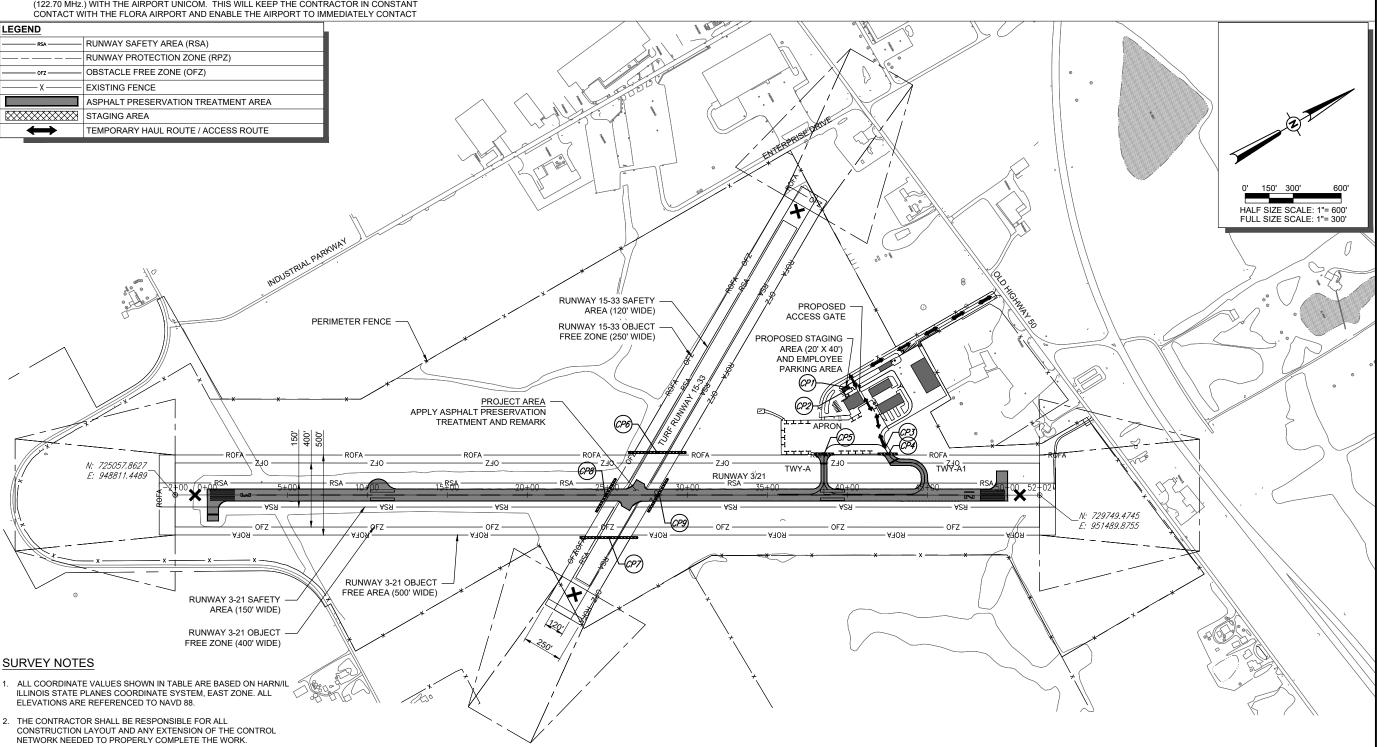
NO.	DATE	DES	CRIPT	ION
		DES	DWN	REV
ISSUE: 11/18/22				

PROJECT NO: 22A0102D CAD FILE: G-003-SFY.DWG

DESIGN BY: NLD 10/21/2022 DRAWN BY: NLD 10/21/2022 REVIEWED BY: LDH 11/17/22

SHEET TITLE

SCOPE OF WORK PLAN

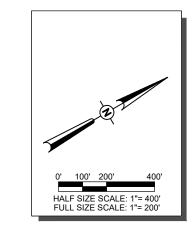


PHASE 1 NOTES

- WORK TO BE COMPLETED DURING PHASE 1:
 ASPHALT PRESERVATION TREATMENT AND REMARK RUNWAY 3-21 PAVEMENT.
- ASPHALT PRESERVATION TREATMENT AND REMARK TAXIWAY A AND A-1.
- 2. RUNWAY 3-21, TAXIWAY A, AND A-1 SHALL BE CLOSED DURING THIS PHASE.
- 3. TURF RUNWAY 15-33 SHALL REMAIN OPEN.

PHASE 2 NOTES

- WORK TO BE COMPLETED DURING PHASE 2:
 ASPHALT PRESERVATION TREATMENT AND REMARK INTERSECTION OF RUNWAY 3-21 AND RUNWAY 15-33.
- RUNWAY 3-21 AND TURF RUNWAY 15-33 WILL BE CLOSED WHEN WORK IS BEING COMPLETED IN THE RUNWAY INTERSECTION.





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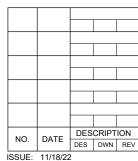
FLORA MUNICIPAL AIRPORT

1 AIRPORT ROAD FLORA, ILLINOIS 62839



IDA No: FOA-4928

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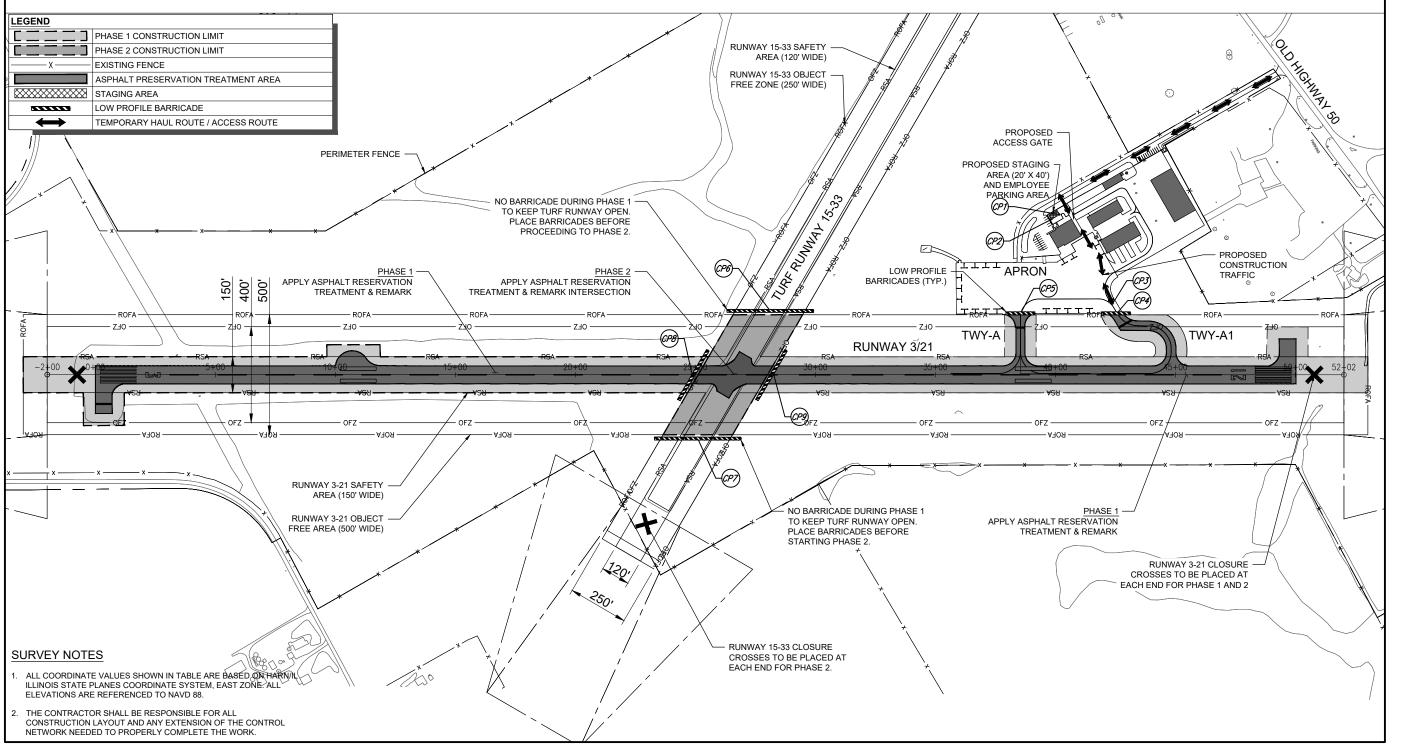


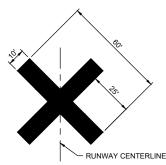
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SHEET TITLE

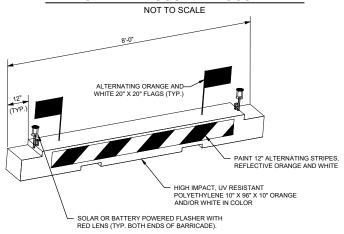
CONSTRUCTION PHASING PLAN





- 1. TEMPORARY "CLOSED RUNWAY" 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 SANDRAGS OR OTHER APPROVED METHOD
- 3. TEMPORARY "CLOSED RUNWAY" MARKINGS SHALL BE PLACED OVER THE RUNWAY DESIGNATION NUMBERS UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
- 7. COST FOR PROVIDING, PLACING, MAINTAINING, RELOCATING AND REMOVING "CLOSED RUNWAY" MARKINGS SHALL BE INCLUDED AS AN INCIDENTAL COST TO THE CONTRACT, UNLESS OTHERWISE NOTED.

TEMPORARY CLOSURE CROSS DETAIL



LOW PROFILE AIRCRAFT BARRICADE DETAIL

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 INTERLOCKED END TO END OVER THE LENGTH OF THE PAVEMENT WHERE PROTECTING OPEN RUNWAYS, AND SPACED END TO END A MAXIMUM OF 4 FEET IN OTHER ALL OTHER AREAS. 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.
- 4. 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.
- 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, RELOCATING AND REMOVING BARRADES SHALL BE INCLUDED AS AN INCIDENTAL COST TO THE CONTRACT, UNLESS

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 AT THE PRECONSTRUCTION CONFERENCE, OR DURING THE COURSE OF THE CONTRACT.
- THE CONTRACTORS SHALL MINIMIZE DISRUPTION OF STANDARD OPERATING PROCEDURES FOR AERONAUTICAL ACTIVITY BY REMAINING WITHIN THE PRESCRIBED STAGING, CONSTRUCTION, AND PHASING AREAS PRESENTED ON THE CONSTRUCTION SAFETY AND PHASING PLAN SHEETS.
- NO UNAUTHORIZED PERSONNEL SHALL ENTER ANY AREA OF THE AIRPORT THAT COULD POTENTIALLY BE HAZARDOUS. THE AIRPORT MANAGER RESERVES THE RIGHT TO SUSPEND OPERATIONS IN ORDER TO MAINTAIN SAFETY AT THE AIRPORT.
- 4. NO CONSTRUCTION VEHICLES SHALL BE DRIVEN ACROSS ANY ACTIVE AIRFIELD PAVEMENT AREA WITHOUT AN APPROPRIATE ESCORT. CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 131' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON.
- CONTRACTOR EQUIPMENT, VEHICLES, AND PROJECT MATERIALS SHALL BE STORED AT THE STAGING AREA SHOWN ON THE PLAN VIEW, EXCEPT AS OTHERWISE PROVIDED FOR AT THE PRECONSTRUCTION CONFERENCE.
- 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" LATEST EDITION.
- 7. NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 500' OF ANY ACTIVE RUNWAY, WITHIN 131' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER/TECHNICIAN) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- 8. 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.
- 9. OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- 10. NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE AIRPORT WITHOUT THE APPROVAL OF THE AIRPORT MANAGER AND ADDITIONAL AIRSPACE APPROVAL BY THE FAA. AIRSPACE APPROVALS REQUIRE CONSIDERABLE LEAD TIME AND SHOULD BE REQUESTED WELL IN ADVANCE.
- 11. NO OPEN FLAME WELDING OR TORCH CUTTING OPERATION IS PERMITTED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PROVIDED AND HAVE BEEN APPROVED BY THE AIRPORT MANAGER NO FLARE POTS ARE ALLOWED ON THE PROJECT.
- 12. 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 SWEPT, PICKED UP AND REMOVED, OR PLACED INTO CLOSED CONTAINS AND COST TO THE OWNER.
- 13. CONTRACTOR SHALL TAKE MEASURES TO AVOID TRACKING ASPHALT MATERIALS ONTO ADJACENT PAVEMENT AREAS, UNLESS SUFFICIENT PROTECTION HAS BEEN APPLIED. HEAVY TRACKING OR DAMAGE TO ADJACENT PAVEMENTS MAY BE CAUSE FOR STOPPING THE WORK UNTIL ACCEPTABLE PROTECTION OR CHANGE IN WORK METHODS HAS BEEN PROVIDED.
- 14. 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 RESIDENT ENGINEER/TECHNICIAN. HAUL ROUTES CROSSING PAVEMENT, DRAINAGE, MISCELLANEOUS. STRUCTURES AND/OR AIRFIELD CABLES SHALL BE PROTECTED FROM DAMAGE.
- 15. ALL AIRCRAFT AND AIRPORT OPERATIONS HAVE THE RIGHT-OF-WAY. CONTRACTOR TO YIELD TO VEHICLES AND REMAIN CLEAR AT ALL TIMES.

- 16. CONTRACTOR SHALL PLACE, SECURE, AND MAINTAIN LIGHTED BARRICADES AND CLOSURE CROSSES WHEN A RUNWAY/TAXIWAY/APRON IS CLOSED OR AS REQUIRED BY THE PLANS AND DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN.
- 17. CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 18. THE CONTRACTOR SHALL PERIODICALLY PERFORM ONSITE INSPECTIONS THROUGHOUT THE DURATION OF THE PROJECT WITH THE IMMEDIATE REMEDY OF ANY DIFFERENCES, WHETHER CAUSED BY NEGLIGENCE. OVERSIGHT. OR PROJECT SCOPE CHANGE.
- CONTRACTOR SHALL MOVE MAINTENANCE OF TRAFFIC COMPONENTS AT THE WRITTEN DIRECTION OF THE RESIDENT ENGINEER/TECHNICIAN AT NO ADDITIONAL COST.
- 20. CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 21. CONTRACTOR SHALL MAINTAIN FLASHERS, SIGNS AND/OR BARRICADES AS REQUIRED BY THE PLANS, CITY OR COUNTY REGULATIONS OR CONTRACTOR ACTIVITIES.
 CONTRACTOR SHALL OBTAIN ANY AND ALL REQUIRED LOCAL PERMITS UNLESS SPECIFIED OTHERWISE.
- 22. THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER/TECHNICIAN AS NECESSARY TO CONTROL DUST.
- 23. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING MEASURES TO CONTROL OR AVOID CREATING ATTRACTANTS TO WILDLIFE. MEASURES MAY INCLUDE CONTINUOUSLY REMOVING ANY WASTE OR LOOSE MATERIALS, PLACEMENT OF MATERIALS IN APPROPRIATE STORAGE CONTAINERS, PROPERLY MAINTAINING FENCES AND GATES TO PREVENT ACCESS, AND PREVENTING PONDING OF WATER THROUGHOUT THE SITE.
- 24. UNLESS SPECIFIED OTHERWISE, COST FOR SAFETY, STAGING, AND TRAFFIC MAINTENANCE ITEMS IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.
- 25. THE CONTRACTOR SHALL HAVE THE SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), AS DETAILED IN THE SPECIAL PROVISIONS, SUBMITTED AND APPROVED PRIOR TO BEING ISSUED "NOTICE TO PROCEED".
- 26. ALL RUNWAY/TAXIWAY CLOSURES SHALL BE COORDINATED WITH AIRPORT MANAGEMENT A MINIMUM OF 7 DAYS BEFORE THE DESIRED CLOSING TIME TO ALLOW FOR THE PROPER COORDINATION. AIRPORT MANAGEMENT HAS COMPLETE AUTHORITY IN DETERMINING WHEN THE RUNWAY/TAXIWAY MAY BE CLOSED.
- 27. RUNWAY/TAXIWAY CLOSURE PROCEDURES:
 - CONTACT THE AIRPORT MANAGEMENT OR ASSIGNED REPRESENTATIVE A MINIMUM OF 7 DAYS 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.
- CONTACT AIRPORT MANAGEMENT OR REPRESENTATIVE FOR FINAL INSPECTION OF THE AREA.
- REMOVE BARRICADES AND CROSSES.
- ACTIVATION OF THE AIRFIELD LIGHTING AND NAVAIDS AND CANCELLATION OF THE NOTAM BY THE AIRPORT MANAGEMENT AND/OR FAA.

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Illinois Licensed Professional Service Corporation #184-001084

FLORA MUNICIPAL AIRPORT

1 AIRPORT ROAD FLORA. ILLINOIS 62839

MAINTAIN AND REMARK RUNWAY 3-21 AND OTHER AIRFIELD PAVEMENTS

IDA No: FOA-4928

SBG No: 3-17-SBGP-171/184

NO.	DATE	DESCRIPTION			
	DATE	DES	DWN	REV	
SSUE: 11/18/22					

PROJECT NO: 22A0102D

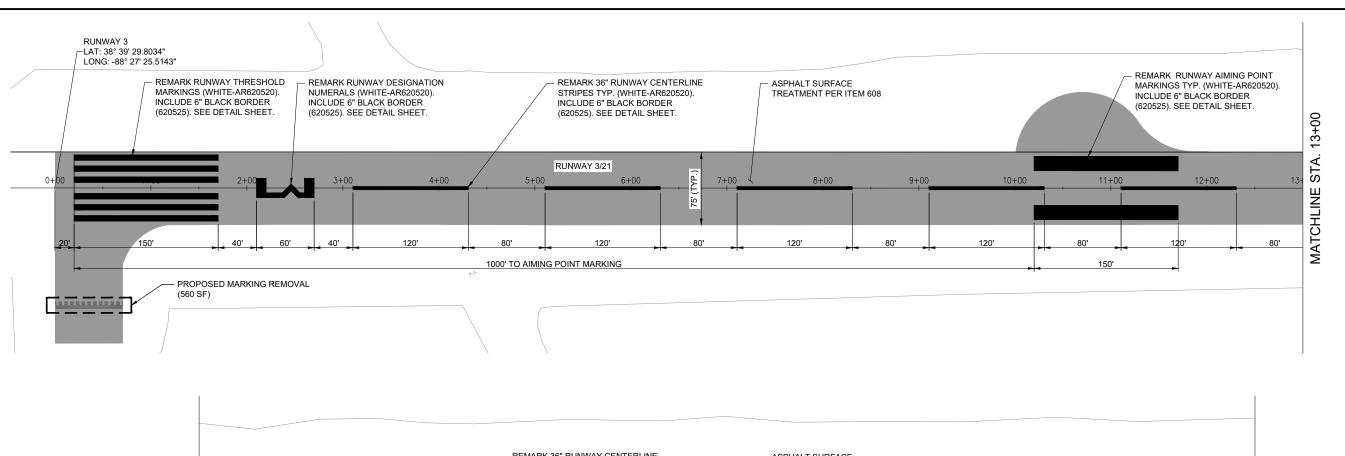
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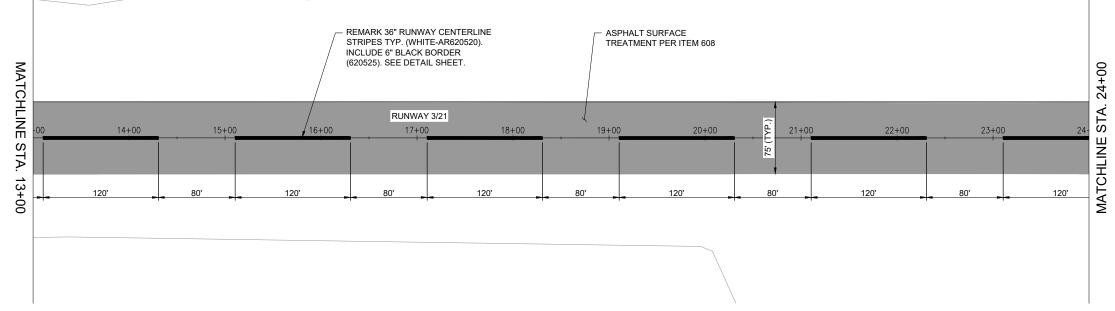
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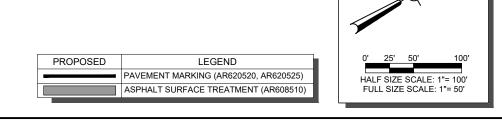
SAFETY NOTES AND DETAILS





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 REMARKED TO MATCH EXISTING, EXCEPT RUNWAY END 21 THRESHOLD BAR MARKING. THE EXISTING RUNWAY END 21 THRESHOLD BARS SHALL BE REMOVED AND REMARKED.
- 3. ALL PAVEMENT MARKING SHALL BE WATERBORNE AND COMPLETED IN ACCORDANCE WITH ITEM 620 OF THE SPECIAL PROVISIONS.
- 4. ALL MARKING, EXCEPT BLACK BORDER, WILL BE APPLIED WITH REFLECTIVE MEDIA IN THE SECOND APPLICATION IN ACCORDANCE WITH THE SPECIFICATIONS.
- 5. ALL PROPOSED MARKING ITEMS WILL BE PAID FOR AS FOLLOWS: AR620520 "PAVEMENT MARKING-WATERBORNE"_____ PER SQ. FT. AND AR620525 PAVEMENT MARKING BLACK BORDER PER SQ. FT.
- 6. 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.
- 7. 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.
- 8. CUT-OFF SHEETS WILL BE REQUIRED TO ENSURE STRAIGHT ENDS OF PAVEMENT MARKINGS AND ASPHALT SURFACE TREATMENT LIMITS.
- 9. LOCATIONS OF THE 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.





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MAINTAIN AND REMARK RUNWAY 3-21 AND OTHER AIRFIELD PAVEMENTS

IDA No: FOA-4928

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NO. DATE DESCRIPTION DES DWN REV ISSUE: 11/18/22

PROJECT NO: 22A0102D
CAD FILE: C-101-CON.DWG
DESIGN BY: CWS 3/15/2019
DRAWN BY: CWS 3/15/2019

REVIEWED BY:

SHEET TITLE

MARKING & CONSTRUCTION PLAN - RWY 3-21 SHEET 1

LOCATIONS OF THE BITUMINOUS CRACKS TO BE CLEANED AND SEALED (AR201661) ARE NOT SHOWN AND WILL BE LAID OUT AND MEASURED IN THE FIELD BY THE RESIDENT

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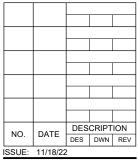
FLORA MUNICIPAL **AIRPORT**

1 AIRPORT ROAD FLORA, ILLINOIS 62839

MAINTAIN AND REMARK **RUNWAY 3-21 AND** OTHER AIRFIELD **PAVEMENTS**

IDA No: FOA-4928

SBG No: 3-17-SBGP-171/184



PROJECT NO: 22A0102D

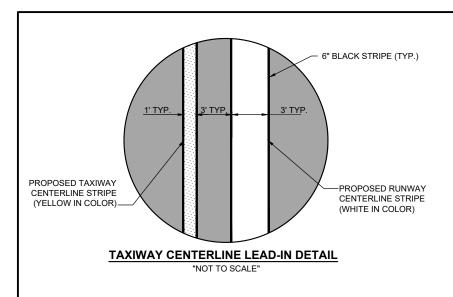
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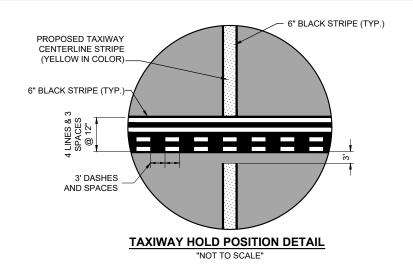
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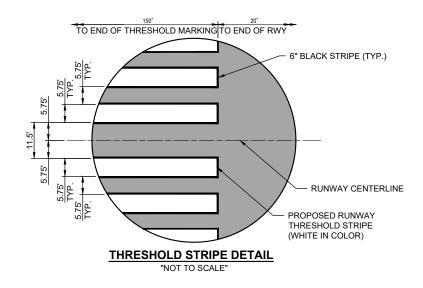
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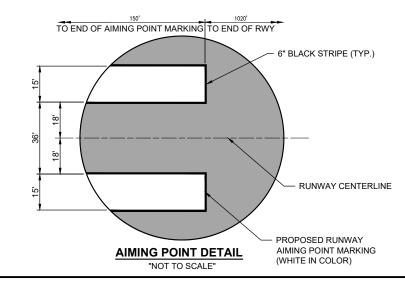
MARKING & CONSTRUCTION **PLAN - RWY 3-21** SHEET 2

ENGINEER/TECHNICIAN UPON THE START OF CONSTRUCTION.





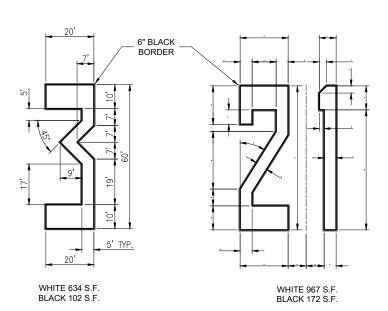




EXISTING MARKING REMOVAL NOTES:

- THE PROPOSED MARKING REMOVAL SHALL BE PAID FOR UNDER ITEM:
 AR620900 "PAVEMENT MARKING REMOVAL"____*** S.F.

- 1. THE AREAS THAT ARE DESIGNATED EXISTING MARKING (TO BE REMOVED) WILL BE REMOVED AS DESCRIBED IN THE SPECIAL PROVISIONS.
- 2. ALL AREAS TO BE REMOVED ARE CALCULATED AREAS. ANY ADDITIONAL AREAS, DUE TO OVER SPRAY, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



RUNWAY NUMERAL DIMENSIONING NOTES:

NUMERAL 3

"NOT TO SCALE"

- 1. ALL DIMENSIONS ARE EXPRESSED IN INCREMENTS OF FEET.
- 2. DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.

NUMERAL 21

"NOT TO SCALE"

3. CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT

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FLORA MUNICIPAL **AIRPORT**

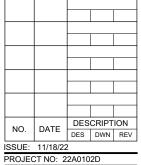
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MAINTAIN AND REMARK **RUNWAY 3-21 AND** OTHER AIRFIELD **PAVEMENTS**

IDA No: FOA-4928

SBG No:

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CAD FILE: C-501-MRK.DWG DESIGN BY: NLD OCTOBER 21, 2022

DRAWN BY: NLD OCTOBER 21, 2022 REVIEWED BY: LDH 11/17/22

SHEET TITLE

MARKING DETAILS