

CONSTRUCTION PLANS - ISSUED JUNE 8, 2018

REHABILITATE RUNWAY 18-36

SALEM-LECKRONE AIRPORT  
SALEM, MARION COUNTY, ILLINOIS

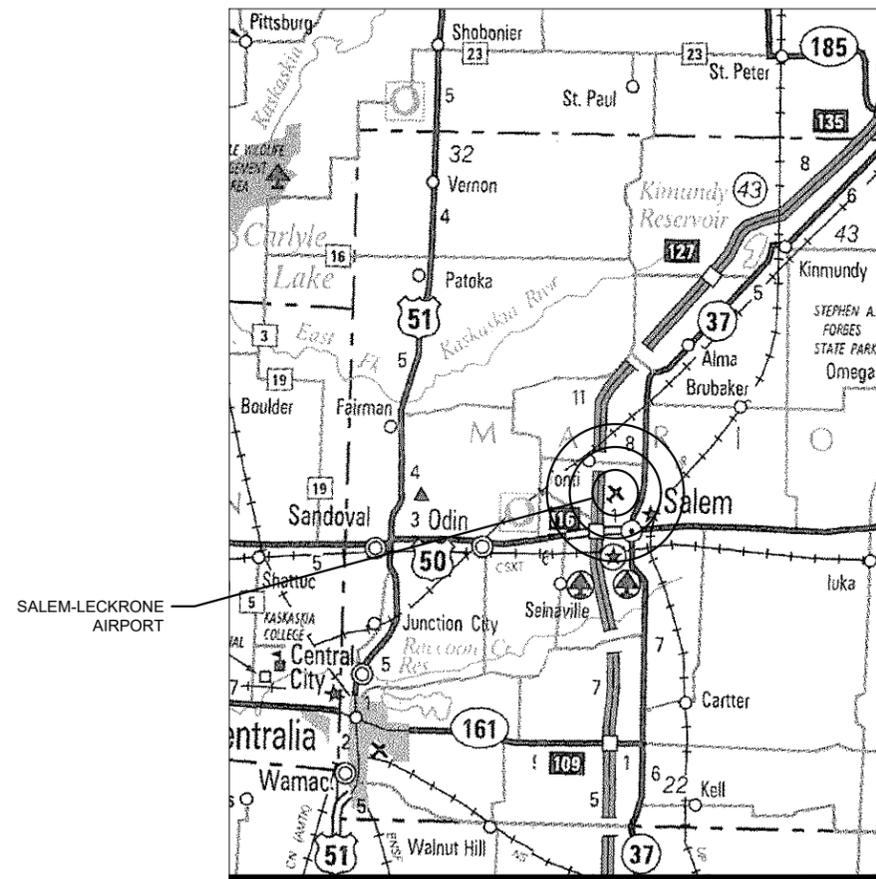
IDA PROJECT NO. SLO-4429  
SBG PROJECT NO. 3-17-SBGP-TBD

SCOPE OF WORK:

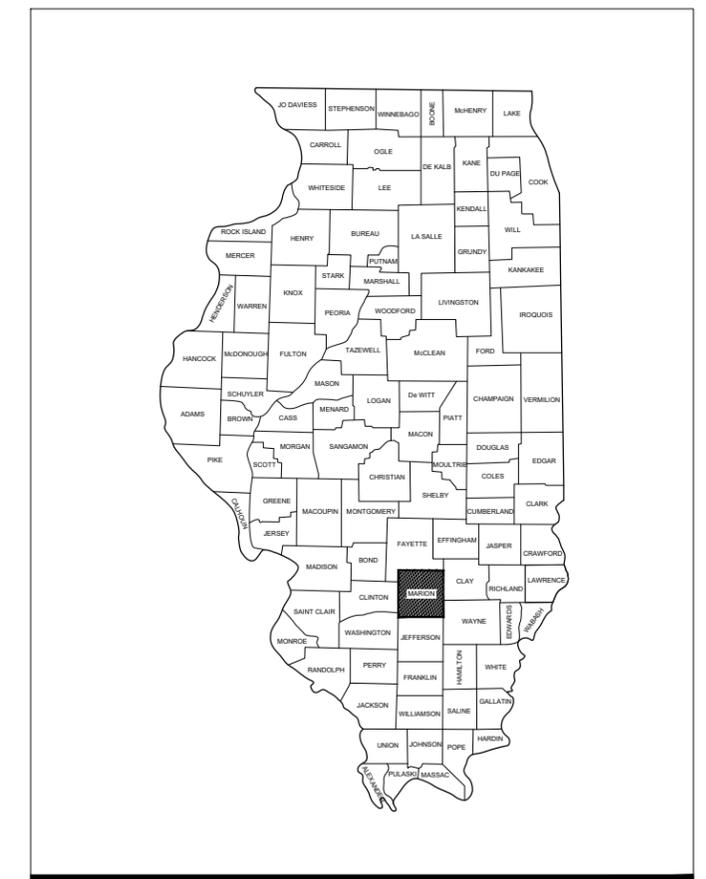
THIS PROJECT SHALL CONSIST OF THE REHABILITATION OF THE EXISTING RUNWAY 18-36 PAVEMENT. THE PROJECT INCLUDES CRACK REPAIR, BITUMINOUS MILLING, BITUMINOUS PLACEMENT, PAVEMENT MARKING AND ASSOCIATED ITEMS.

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.



VICINITY MAP



LOCATION MAP

No.	Issue/Description	Sheets Changed	Date	By

Barry Stolz, P.E.  
 Project Manager

**HANSON**  
 HANSON PROFESSIONAL SERVICES INC.  
 1525 S. Sixth St.  
 Springfield, Illinois 62703  
 Telephone: 217.788.2450  
 Fax: 217.788.2503

Salem-Leckrone Airport  

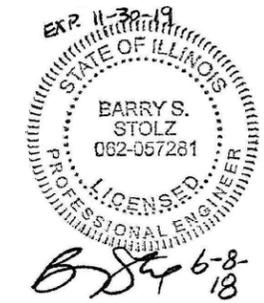

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 SALEM AIRPORT AUTHORITY  
 1100 Airport Rd.  
 Salem, IL 62881  
 Telephone: 618.367.0114

Date: 6-4-18

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	AS-BUILT QUANTITY
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150520	MOBILIZATION	L.S.	1	
AR150540	HAUL ROUTE	L.S.	1	
AR201661	CLEAN & SEAL BITUMINOUS CRACKS	L.F.	25,000	
AR401613	BIT, SURF. CSE.-METHOD I, SUPERPAVE	TON	3,112	
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	34,539	
AR603510	BITUMINOUS TACK COAT	GAL.	5,181	
AR620520	PAVEMENT MARKING-WATERBORNE	S.F.	18,002	
AR620525	PAVEMENT MARKING-BLACK BORDER	S.F.	6,433	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	S.Y.	30	

INDEX TO SHEETS	
Sheet Number	Sheet Title
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	SCOPE OF WORK
4	CONSTRUCTION SAFETY PLAN
5	CONSTRUCTION SAFETY DETAILS AND NOTES
6	TYPICAL CROSS SECTIONS
7	PROPOSED CONSTRUCTION PLAN - SHEET 1
8	PROPOSED CONSTRUCTION PLAN - SHEET 2
9	PROPOSED VARIABLE MILLING PLAN - SHEET 1
10	PROPOSED VARIABLE MILLING PLAN - SHEET 2
11	PROPOSED PLAN AND PROFILE STA. 100+00 TO STA. 109+50
12	PROPOSED PLAN AND PROFILE STA. 109+50 TO STA. 120+50
13	PROPOSED PLAN AND PROFILE STA. 120+50 TO STA. 130+00
14	PROPOSED PLAN AND PROFILE STA. 130+00 TO STA. 140+98
15	PROPOSED MARKING PLAN - SHEET 1
16	PROPOSED MARKING PLAN - SHEET 2
17	MARKING DETAILS AND NOTES
18	PROPOSED CROSS SECTIONS STA. 100+00 TO STA. 105+50
19	PROPOSED CROSS SECTIONS STA. 106+00 TO STA. 111+50
20	PROPOSED CROSS SECTIONS STA. 112+00 TO STA. 117+50
21	PROPOSED CROSS SECTIONS STA. 118+00 TO STA. 123+50
22	PROPOSED CROSS SECTIONS STA. 124+00 TO STA. 129+50
23	PROPOSED CROSS SECTIONS STA. 130+00 TO STA. 135+50
24	PROPOSED CROSS SECTIONS STA. 136+00 TO STA. 140+97



REHABILITATE  
RUNWAY 18-36

IDA No: SLO-4429

SBG Project No:  
3-17-SBGP-TBD

Contract No. SA033

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 8, 2018  
PROJECT NO: 18A0017D  
CAD FILE: G-002-FLP.DWG  
DESIGN BY: JRH 05/17/2018  
DRAWN BY: JRH 05/17/2018  
REVIEWED BY: BSS 05/18/2018

SHEET TITLE

SUMMARY OF  
QUANTITIES AND  
INDEX TO SHEETS

**GENERAL NOTES:**

**QUANTITIES**  
PAYMENT WILL BE MADE UNDER THE ITEM NUMBERS, DESCRIPTIONS AND UNITS NOTED IN THE ABOVE TABLE IN ACCORDANCE WITH THE BASIS OF PAYMENT FOR EACH RESPECTIVE WORK ITEM COMPLETED AND ACCEPTED BY THE ENGINEER.

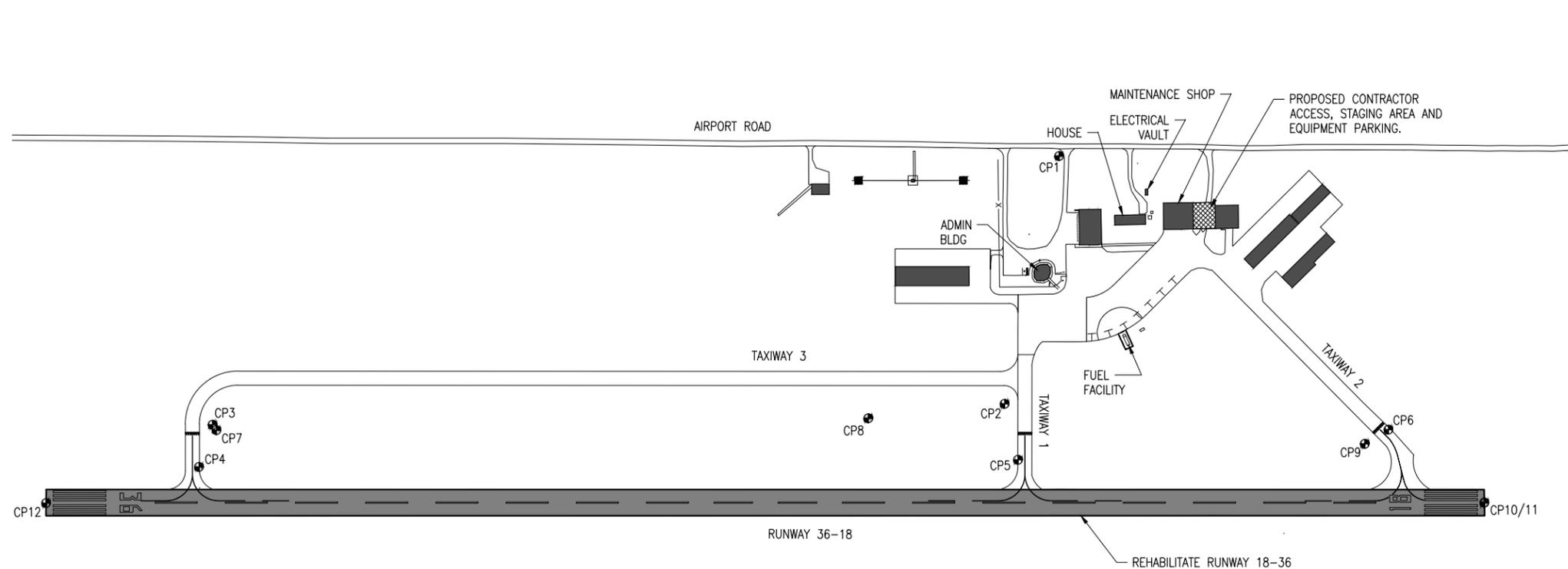
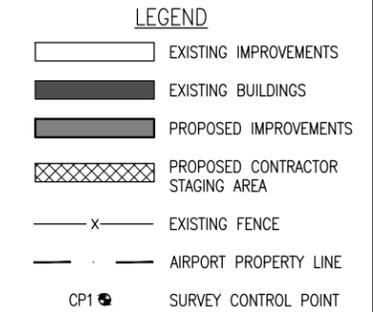
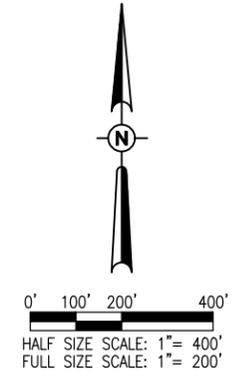
**CERTIFIED PAYROLLS**  
THE RESIDENT ENGINEER/TECHNICIAN CANNOT FORWARD CONSTRUCTION REPORTS TO THE ILLINOIS DIVISION OF AERONAUTICS FOR PROCESSING UNTIL ALL CERTIFIED PAYROLLS FOR THE PERIOD HAVE BEEN RECEIVED.

**MATERIAL CERTIFICATIONS**  
MATERIALS TO BE INCORPORATED INTO THE PROJECT CANNOT BE USED WITHOUT PRIOR APPROVAL. ALL MATERIALS TO BE USED IN THE PROJECT MUST BE SUBMITTED TO THE RESIDENT ENGINEER FOR APPROVAL. USE OF MATERIALS WITHOUT PRIOR APPROVAL AND ULTIMATELY DETERMINED TO BE UNACCEPTABLE BY THE ILLINOIS DIVISION OF AERONAUTICS ARE SUBJECT TO REMOVAL AND/OR NON-PAYMENT.

**GENERAL NOTES**

1. THE SCOPE OF WORK SHEET IS INTENDED ONLY AS A GENERAL DESCRIPTION OF WORK ITEMS AND THEIR APPROXIMATE LOCATIONS AND LIMITS, FOR THE PURPOSE OF UNDERSTANDING THE SCOPE OF THE PROJECT. THIS SHEET SHALL NOT BE USED AS A CONSTRUCTION PLAN. REFER TO THE FOLLOWING PLAN SHEETS FOR DETAILED CONSTRUCTION REQUIREMENTS, LOCATIONS, AND ITEMS OF WORK.
2. WORK FOR THIS PROJECT CONSIST OF REHABILITATION OF THE EXISTING RUNWAY 18-36 PAVEMENT. THIS PROJECT INCLUDES BITUMINOUS MILLING, CRACK REPAIR, BITUMINOUS PLACEMENT, PAVEMENT MARKING AND ASSOCIATED ITEMS.
3. 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.
4. 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.
5. THE CONTRACTOR IS NOT PERMITTED TO USE THE AIRPORT ENTRANCE DRIVE AND AUTO PARKING LOT ADJACENT TO THE ADMINISTRATION BUILDING FOR MATERIAL AND EQUIPMENT HAULING OR STORAGE.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT, PRESERVE AND REPAIR THE EXISTING AIRFIELD AND ROADWAY PAVEMENTS AT ALL TIMES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ELECTRICAL, DRAINAGE, AND PAVEMENT STRUCTURES AT NO ADDITIONAL COST TO THE CONTRACT.
7. NO EQUIPMENT SHALL BE PERMITTED TO CROSS OR USE ANY EXISTING AIRPORT PAVEMENT OUTSIDE THE CONSTRUCTION LIMITS, GENERAL PROJECT AREA OR HAUL ROUTE.
8. CONTRACTOR IS REQUIRED TO PROVIDE THEIR OWN RESTROOM FACILITIES.
9. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE GRADED, SEEDED AND/OR HYDROMULCH SEEDED IN ACCORDANCE WITH ITEM 901 AT NO ADDITIONAL COST TO THE CONTRACT.
10. ALL WASTE MATERIAL SHALL BE HAULED FROM THE AIRPORT AND PROPERLY DISPOSED OF UNLESS OTHERWISE SPECIFIED HEREIN.
11. 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.
12. THE OWNER SHALL HAVE THE RIGHT OF FIRST REFUSAL FOR ALL SALVAGEABLE MATERIAL REMOVED ON THE PROJECT.
13. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER/TECHNICIAN SO THEY MAY DEVELOP ONE SET OF REDLINED AS-BUILT RECORD DRAWINGS AT THE COMPLETION OF THE PROJECT.
14. THE CONSTRUCTION LIMITS SHALL BE RESTRICTED TO AREAS THAT ARE ABSOLUTELY NECESSARY TO DISTURB TO COMPLETE THE REQUIRED WORK ITEMS. LIMITS SHALL BE COORDINATED WITH THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO BEGINNING ANY WORK.
15. CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL GRASS, STONE, OR PAVEMENT DISTURBED BY CONTRACTOR'S CONSTRUCTION OPERATIONS, STAGING, AND CONSTRUCTION ACCESS ROUTES. DISTURBED AREAS TO BE REPAIRED, GRADED, AND MULCHED SEEDED IN ACCORDANCE WITH ITEMS 901 AND 908, UNLESS OTHERWISE NOTED. STAGING AREA AND SITE ACCESS RESTORATION SHALL BE INCLUDED IN THE COST OF THE HAUL ROUTE.
16. 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.
17. 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 PERSONS FOR THE PURPOSE OF LOCATING AND PROTECTING EXISTING UNDERGROUND UTILITIES.
18. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN PROPER DRAINAGE FOR ALL AREAS AFFECTED BY HIS WORK.
19. NO CONSTRUCTION EQUIPMENT GREATER THAN 25' TALL WILL BE PERMITTED ON THE PROJECT. HOWEVER OTHER EQUIPMENT TALLER THAN 25' MAY BE PERMITTED WITH THE APPROVAL OF THE AIRPORT MANAGER AND AIRSPACE APPROVAL BY THE FAA.

SURVEY CONTROL DATA				
POINT NUMBER	NORTHING	EASTING	ELEV.	DESCRIPTION
CP1	721065.40	803089.28	568.68	A 156 BENCHMARK DISK IN CONC
CP2	720900.59	803791.36	569.29	SALEPORT STAINLESS STEEL ROD IN SLEEVE
CP3	718643.12	803819.80	561.77	SALEPORT AZ MK STAINLESS STEEL ROD
CP4	718603.01	803939.42	563.41	HORIZ CONTROL PK NAIL
CP5	720936.53	803950.85	570.81	HORIZ CONTROL PK NAIL
CP6	721993.13	803879.61	570.70	HORIZ CONTROL PK NAIL
CP7	718654.05	803835.30	561.24	VERT CONTROL CENTER MANHOLE LID
CP8	720511.62	803827.09	567.84	VERT CONTROL CENTER MANHOLE LID
CP9	721925.26	803918.93	568.79	VERT CONTROL CHISELED "X" CATCH BASIN
CP10	722263.39	804090.51	572.83	NAIL/WASHER NORTH END RUNWAY
CP11	722263.38	804090.67	572.83	NAIL NORTH END RUNWAY
CP12	718166.10	804035.99	562.64	NAIL/WASHER SOUTH END RUNWAY



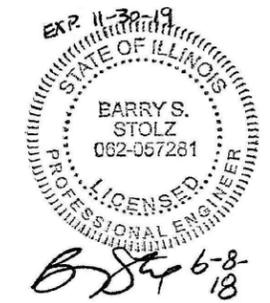
Offices Nationwide  
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phone: 217-788-2450  
fax: 217-788-2503

Illinois Licensed  
Professional Service Corporation  
#184-001084

**Salem-Leckrone Airport**

SALEM AIRPORT AUTHORITY  
1100 AIRPORT RD.  
SALEM, IL 62881



**REHABILITATE  
RUNWAY 18-36**

IDA No: SLO-4429

SBG Project No:  
3-17-SBGP-TBD

Contract No. SA033


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 8, 2018  
PROJECT NO: 18A0017D  
CAD FILE: G-003-SOW.DWG  
DESIGN BY: JRH 05/11/2018  
DRAWN BY: JRH 05/11/2018  
REVIEWED BY: BSS 05/18/2018

**SCOPE OF WORK**

JUN 08, 2018, 4:57 PM, STOLZ, Z01547, I:\18\_JOBS\18A0017D\CAD\AIRPORT\ISHEET\G-003-SOW.DWG

**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 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 \_\_\_\_\_ MARION  
 CITY \_\_\_\_\_ SALEM  
 TOWNSHIP \_\_\_\_\_ SALEM  
 SECTION NO. \_\_\_\_\_ T.2N. - R.2E.  
 ADDRESS \_\_\_\_\_ SALEM-LECKRONE AIRPORT  
 1100 AIRPORT ROAD  
 SALEM, IL 62881

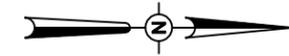
**SAFETY PLAN NOTES**

1. BARRICADES AND CLOSURE CROSSES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
2. PAVEMENTS ARE TO BE KEPT FREE OF DEBRIS AT ALL TIMES. COSTS TO MAINTAIN ACTIVE/CLEAN PAVEMENTS SHALL BE INCLUDED IN ITEM AR150540 HAUL ROUTE.
3. RUNWAY 18-36 SHALL BE CLOSED FOR THE DURATION OF THE PROJECT CONSTRUCTION. AT ALL TIMES, THE CONTRACTOR'S OPERATIONS SHALL BE SUCH AS TO MINIMIZE DISRUPTION TO AIRCRAFT OPERATIONS, INCLUDING MINIMIZING THE RUNWAY CLOSURE DURATION.
4. AT THE COMPLETION OF ALL WORK AREA CONSTRUCTION, THE HAUL ROUTE AND CONSTRUCTION EQUIPMENT PARKING AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS PER THE SPECIFICATIONS.
5. THE COSTS FOR PROVISION, PLACEMENT, MAINTENANCE AND REMOVAL OF BARRICADES AND CLOSURE CROSSES ON THE AIRFIELD AND ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150520 MOBILIZATION.
6. THE COSTS FOR CONSTRUCTION/MAINTENANCE OF HAUL ROUTE AND EQUIPMENT STAGING AREA, TEMPORARY SIGNAGE AND ALL ASSOCIATED INCIDENTALS SHALL BE PAID FOR UNDER ITEM AR150540 HAUL ROUTE.

CRITICAL POINT DATA					
DESCRIPTION	LATITUDE	LONGITUDE	GROUND ELEV.	EQUIP. HEIGHT	EQUIP. ELEV.
CRITICAL POINT 1	N 38°38'14.07"	W 88°57'51.25"	563.0'	25'	588.0'
CRITICAL POINT 2	N 38°38'54.58"	W 88°57'50.90"	573.1'	25'	598.1'
CRITICAL POINT 3	N 38°38'46.75"	W 88°58'00.79"	569.5'	25'	594.5'

**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 DIRECTOR SHALL APPROVE THIS DOCUMENT AND SUBMIT TO THE DIVISION OF AERONAUTICS FOR APPROVAL PRIOR TO THE NTP ISSUANCE.



0' 100' 200' 400'  
 HALF SIZE SCALE: 1"= 400'  
 FULL SIZE SCALE: 1"= 200'

**LEGEND**

- EXISTING IMPROVEMENTS
- EXISTING BUILDINGS
- PROPOSED IMPROVEMENTS
- PROPOSED CONTRACTOR STAGING AREA
- EXISTING FENCE
- PROPOSED HAUL ROUTE
- PROPOSED BARRICADES
- CONSTRUCTION SIGN



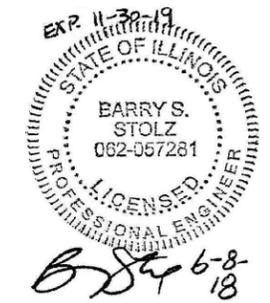
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 www.hanson-inc.com

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 1525 S. 6th Street  
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 phone: 217-788-2450  
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Illinois Licensed  
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**Salem-Leckrone Airport**

SALEM AIRPORT AUTHORITY  
 1100 AIRPORT RD.  
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**REHABILITATE  
 RUNWAY 18-36**

IDA No: SLO-4429

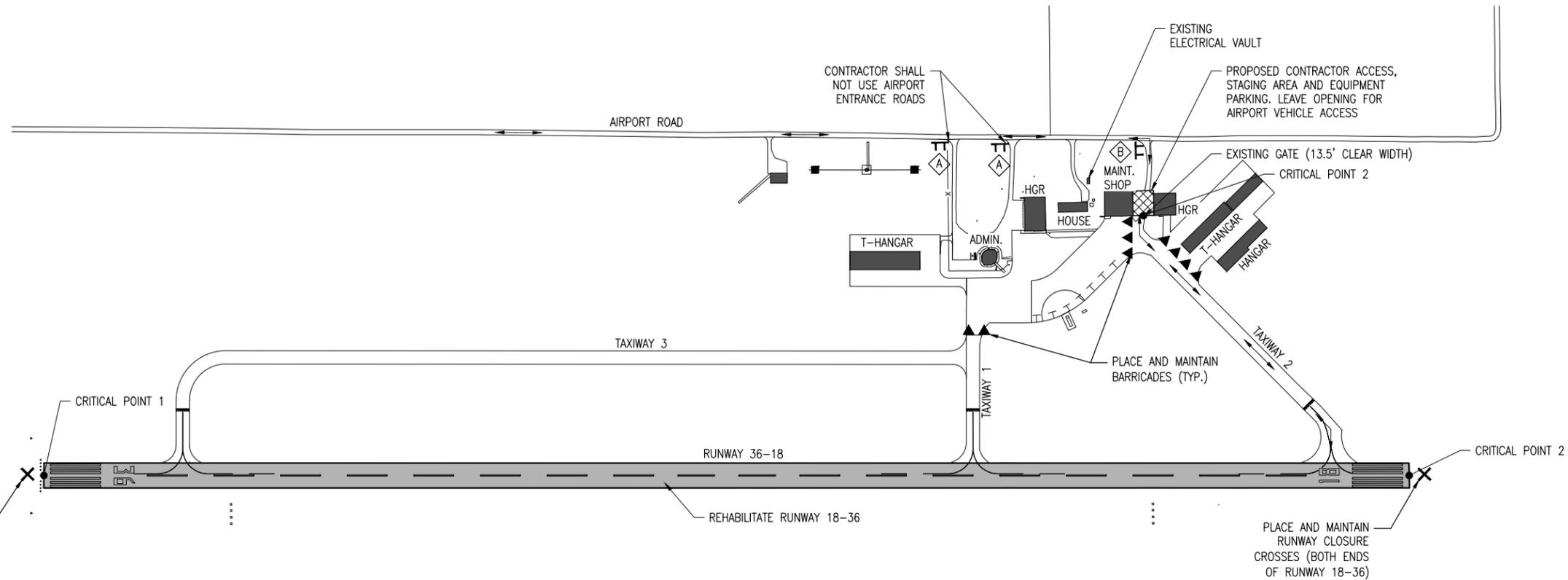
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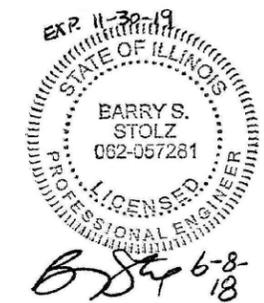

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

SHEET TITLE

**CONSTRUCTION  
 SAFETY PLAN**



JUN 08, 2018, 4:58 PM, STOLZ, Z01647, I:\18\JOB\18A0017D\CAD\AIRPORT\SHSEETC-004-SFY.DWG



**REHABILITATE  
RUNWAY 18-36**

IDA No: SLO-4429

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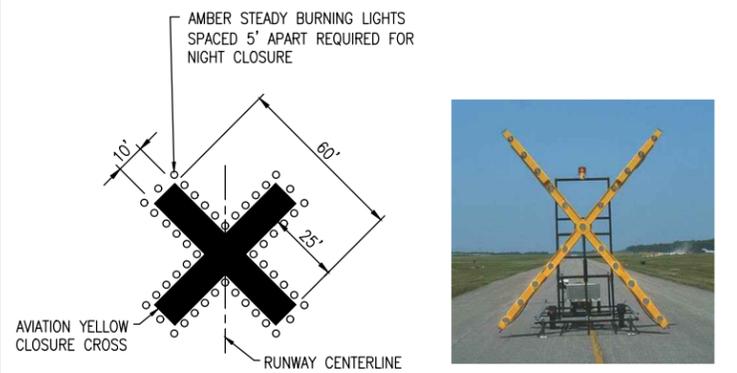
ISSUE: JUNE 8, 2018  
PROJECT NO: 18A0017D  
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DESIGN BY: JRH 05/11/2018  
DRAWN BY: JRH 05/11/2018  
REVIEWED BY: BSS 05/18/2018

SHEET TITLE

**CONSTRUCTION  
SAFETY DETAILS  
AND NOTES**

**SAFETY NOTES**

- FOLLOWING ARE THE CONSTRUCTION SAFETY PROCEDURES THAT THE CONTRACTOR SHALL FOLLOW THROUGHOUT THIS PROJECT. ADDITIONAL REQUIREMENTS ARE SHOWN ON THE SAFETY AND PHASING NOTES AND DETAILS SHEET.
- 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 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 PROJECT SAFETY AND PHASING PLANS.
- 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.
- 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.
- NO CONSTRUCTION MATERIAL STOCKPILES SHALL BE LOCATED WITHIN 250' OF ANY ACTIVE RUNWAY, WITHIN 93' OF ANY OTHER ACTIVE AIRPORT OPERATIONS AREA, OR PENETRATE A PART 77 IMAGINARY SURFACE (PROVIDED BY THE RESIDENT ENGINEER) EXTENDING OUT AND UPWARDS FROM ALL SIDES OF AN ACTIVE RUNWAY.
- NO OPEN TRENCHES WITHIN 250' OF AN ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY AIRPORT OPERATIONS AREA WILL BE PERMITTED UNLESS PROPERLY MARKED. OTHER TRENCHES SHALL BE MAINTAINED SAFE, I.E., BARRICADED OR COVERED WITH STEEL PLATES IN ALL OTHER AREAS.
- OPEN TRENCHES, EXCAVATIONS, AND STOCKPILED MATERIALS AT THE CONSTRUCTION SITE SHOULD BE PROMINENTLY MARKED WITH ORANGE FLAGS AND LIGHTED WITH FLASHING YELLOW LIGHTS DURING HOURS OF RESTRICTED VISIBILITY AND/OR DARKNESS.
- THE MAXIMUM ANTICIPATED HEIGHT OF THE CONSTRUCTION EQUIPMENT WILL BE 25 FEET, WHICH IS EXPECTED TO BE A CONCRETE TRUCK, DUMP TRUCK, OR BACKHOE.
- 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.
- 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 NO COST TO THE OWNER.
- 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. 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.
- 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.
- CONTRACTOR SHALL MARK HAZARDOUS AREA WITH STEADY-BURNING OR FLASHING RED LIGHTS DURING PERIODS OF LOW VISIBILITY AS REQUIRED.
- 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.
- CONTRACTOR SHALL NOT REMOVE THE BARRICADES WITHOUT THE APPROVAL BY THE RESIDENT ENGINEER/TECHNICIAN.
- 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.
- THE CONTRACTOR SHALL UTILIZE WATER AND/OR CHEMICALS APPROVED BY THE RESIDENT ENGINEER AS NECESSARY TO CONTROL DUST.
- CONSTRUCTION EQUIPMENT OR CONSTRUCTION ACTIVITY WILL NOT BE PERMITTED WITHIN 250' OF ANY ACTIVE RUNWAY CENTERLINE OR WITHIN 93' OF ANY OTHER ACTIVE AIRPORT TAXIWAY OR APRON. HOWEVER, CONSTRUCTION MAY BE PERMITTED IN THESE AREAS IF THE CONTRACTOR HAS GAINED APPROVAL FROM THE AIRPORT MANAGER AT LEAST 7 DAYS IN ADVANCE OF THE SCHEDULED CONSTRUCTION PERIOD AND THE OPERATIONAL AREA IS CLOSED TO TRAFFIC AND PROPER NOTAMS ARE ISSUED BY THE AIRPORT MANAGER TO THE APPROPRIATE FLIGHT SERVICE STATION.
- UNLESS SPECIFIED OTHERWISE, COST FOR THE ABOVE IS TO BE CONSIDERED INCIDENTAL TO THE PROJECT. SEPARATE PAYMENT SHALL NOT BE MADE.



**OPTION 1:**  
HORIZONTAL RUNWAY CLOSURE MARKER

**OPTION 2:**  
L-893 LIGHTED RUNWAY CLOSURE MARKER

**RUNWAY CLOSURE CROSS MARKER DETAIL**

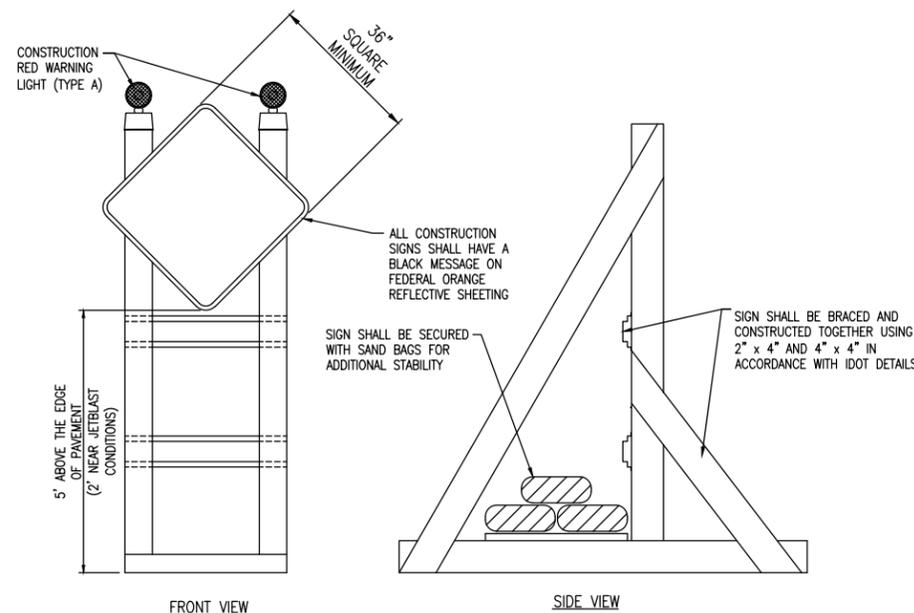
NOT TO SCALE

**CLOSURE CROSS NOTES**

- 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.
- THE CONTRACTOR SHALL PROVIDE THE 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.
- THE CONTRACTOR SHALL MAKE FREQUENT INSPECTION OF THE LIGHTED CROSSES AND MAKE PROMPT REPAIRS AS NECESSARY.
- THE CONTRACTOR SHALL BE ON-CALL FOR 24-HOUR EMERGENCY MAINTENANCE WHEN LIGHTED CROSSES ARE BEING USED.
- LIGHTED MARKERS SHALL BE SECURED FROM WIND EFFECTS BY THE CONTRACTOR AS RECOMMENDED BY THE MANUFACTURER.
- COST FOR PROVIDING, PLACING, OPERATING, MAINTAINING, RELOCATING AND REMOVING CLOSURE CROSSES SHALL BE INCLUDED IN THE COST OF THE MOBILIZATION ITEM.

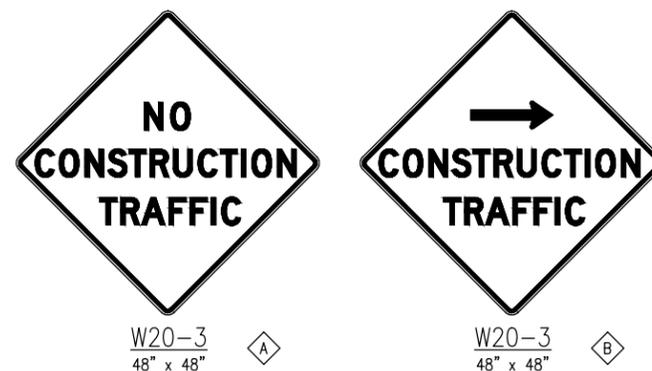
**BARRICADE NOTES**

- 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.
- 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.
- 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 BEFORE SUNSET AND 1/2 HOUR AFTER 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, AND REMOVING BARRICADES SHALL BE INCLUDED IN ITEM AR150520 MOBILIZATION.

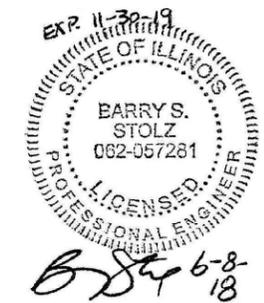


**SIGNAGE NOTES**

- 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.
- UNLESS OTHERWISE SPECIFIED, CONSTRUCTION SIGNS SHALL BE MOUNTED ON PORTABLE OR NON-PORTABLE SUPPORTS. A PORTABLE SUPPORT IS DEFINED AS A TYPICAL SIGN STANDARD AS SHOWN ON THIS SHEET, OR A SMALL LIGHT WEIGHT TRAILER. A NON-PORTABLE SUPPORT IS DEFINED AS DRIVEN METAL OR WOOD POST. ALL SIGNS, REGARDLESS OF THE TYPE OF SUPPORTS USED, SHALL BE MOUNTED SUCH THAT THE MESSAGE ON THE SIGN IS LEVEL IN THE HORIZONTAL PLANE AFTER PLACEMENT. THE COST OF CONSTRUCTION WARNING LIGHTS SHALL BE INCLUDED IN THE COST OF THE CONSTRUCTION SIGNS.
- CONSTRUCTION RED WARNING LIGHT: THESE ARE PORTABLE, LENS DIRECTED, ENCLOSED LIGHTS. THE COLOR OF THE LIGHT EMITTED SHALL BE RED. THEY ARE TO BE USED IN A LOW INTENSITY FLASHING MODE (TYPE A).
- 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.
- COST FOR PROVIDING, PLACING, MAINTAINING, AND REMOVING SIGNS SHALL BE INCLUDED IN ITEM AR150540 HAUL ROUTE.



**CONSTRUCTION SIGNS**  
NOT TO SCALE



**REHABILITATE  
RUNWAY 18-36**

IDA No: SLO-4429

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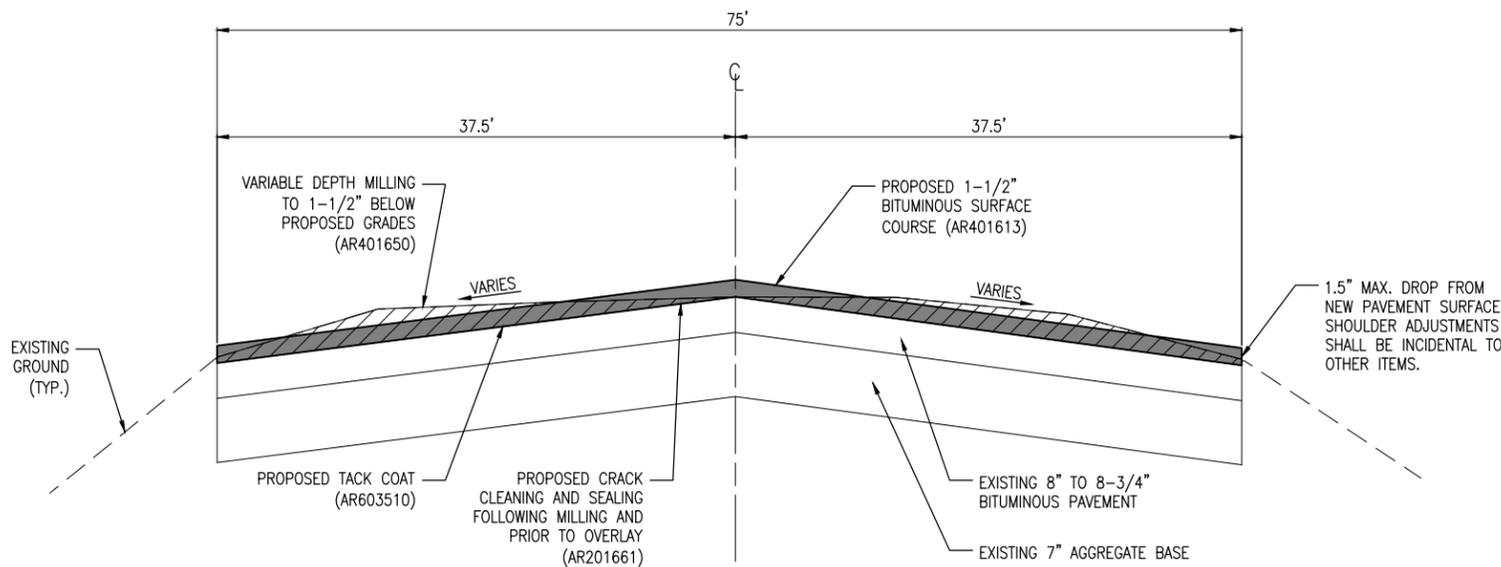
Contract No. SA033

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 8, 2018  
PROJECT NO: 18A0017D  
CAD FILE: C-302-TYP.DWG  
DESIGN BY: JRH 05/15/2018  
DRAWN BY: JRH 05/15/2018  
REVIEWED BY: BSS 05/18/2018

SHEET TITLE

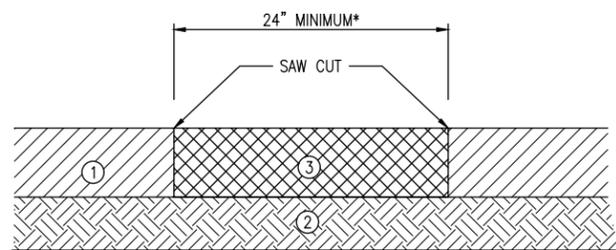
**TYPICAL CROSS  
SECTIONS**



**PROPOSED TYPICAL SECTION - RUNWAY 18-36**

NOT TO SCALE

NOTE: TYPICAL LAYOUT OF PROPOSED GRADES IS 1.5 INCHES HIGHER THAN EXISTING GRADES AT THE RUNWAY CENTERLINE, AND 1 INCH HIGHER THAN EXISTING GRADES AT THE RUNWAY EDGES. REFER TO CROSS SECTIONS FOR EXCEPTIONS.

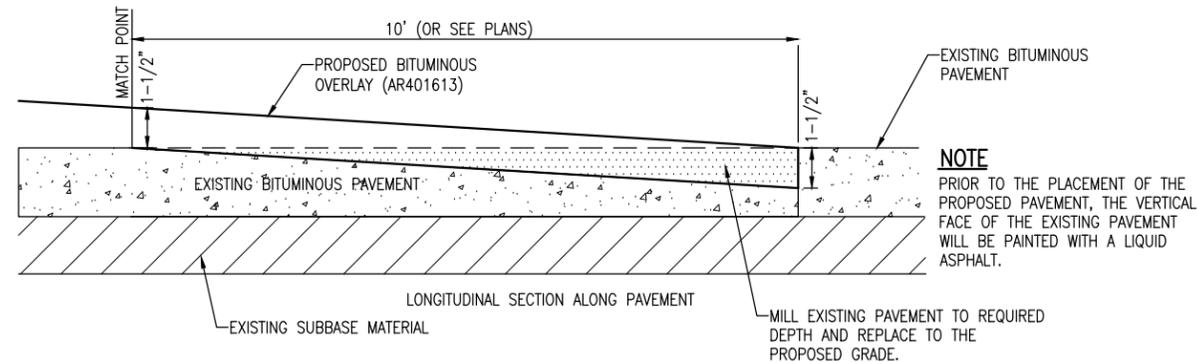


**REMOVE & REPLACE BIT. PAVEMENT**

NOT TO SCALE

- ① EXISTING BIT. SURFACE COURSE (8" TO 8-3/4" AVG.)
- ② EXISTING AGG. BASE COURSE (7" AVG.)
- ③ PROPOSED BITUMINOUS SURFACE COURSE PLACED IN 3" MAXIMUM LIFTS

\*NOTE: THE BID QUANTITY FOR THIS ITEM IS BASED ON A 24" WIDE REMOVAL & REPLACEMENT AREA. THE CONTRACTOR MAY ELECT TO UTILIZE A WIDER AREA, HOWEVER PAYMENT FOR THIS ITEM WILL BE BASED ON A 24" WIDTH TIMES THE LENGTH OF THE AREA, AS DETERMINED THROUGH COORDINATION WITH THE RESIDENT ENGINEER/TECHNICIAN PRIOR TO CONSTRUCTION.

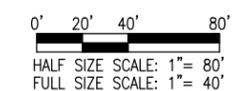
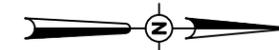


**PROPOSED BUTT JOINT DETAIL**

NOT TO SCALE

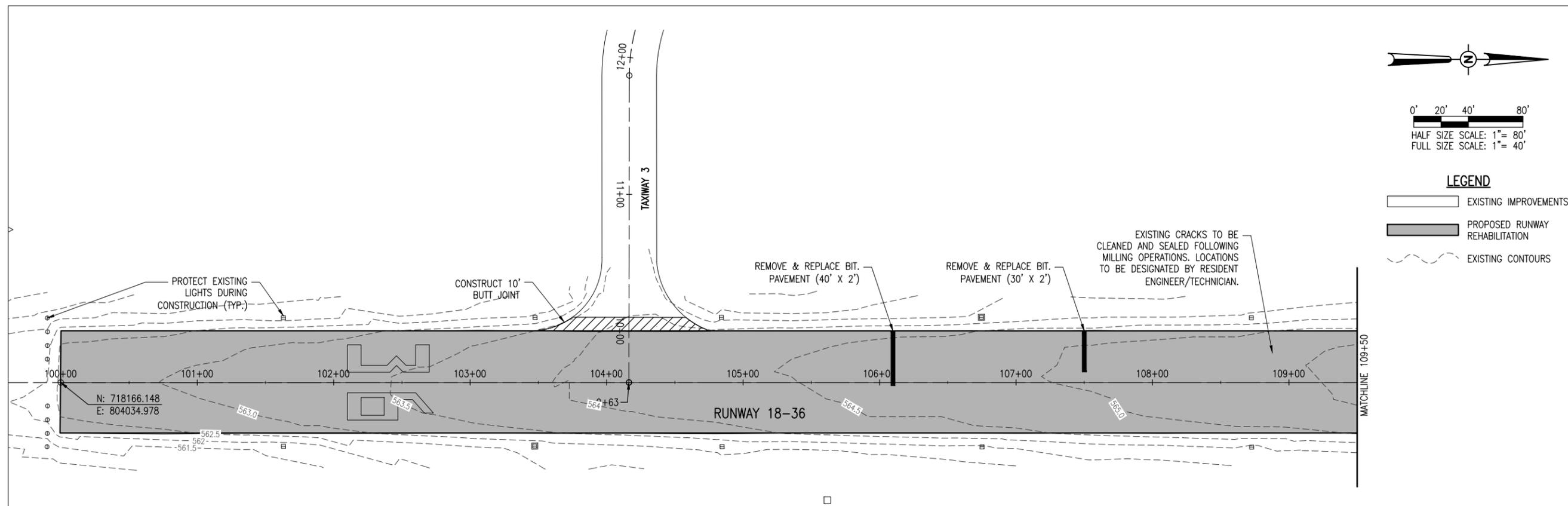
**BUTT JOINT CONSTRUCTION NOTES**

1. THE PROPOSED BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ITEM AR401655 "BUTT JOINT CONSTRUCTION" AS STATED IN THE STANDARD SPECIFICATIONS, ADOPTED APRIL 1, 2012.
2. THIS ITEM SHALL CONSIST OF REMOVING THE EXISTING BITUMINOUS PAVEMENT SURFACE BY MILLING IN ORDER TO CONSTRUCT A BUTT JOINT FOR THE TRANSITION OF THE PROPOSED BITUMINOUS OVERLAY AT THE LOCATIONS AS SHOWN ON THE PLANS.
3. THE PAVEMENT SURFACE WILL THEN BE MILLED TO A DEPTH OF 1-1/2" AT THE BUTT END AND WILL TAPER TO 0 IN. AT THE OPPOSITE END. THE PLANER MUST BE CAPABLE OF MILLING THE SURFACE TO THE DESIRED ELEVATIONS AND GRADES.
4. ANY ADJACENT PAVEMENT DAMAGED BY THE MILLING OPERATIONS WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
5. ALL BITUMINOUS PAVEMENT MILLING AREAS WILL BE LOCATED AND MARKED BY THE CONTRACTOR AND ACCEPTED BY THE RESIDENT ENGINEER.
6. THE PAVEMENT MILLING, TACK COAT, AND BITUMINOUS PAVEMENT WILL EACH BE PAID FOR UNDER THEIR RESPECTIVE PAY ITEMS LISTED IN THE SUMMARY OF QUANTITIES.



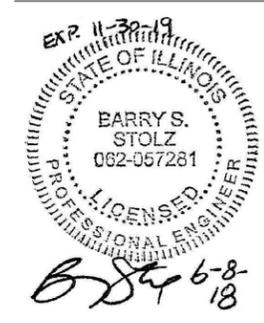
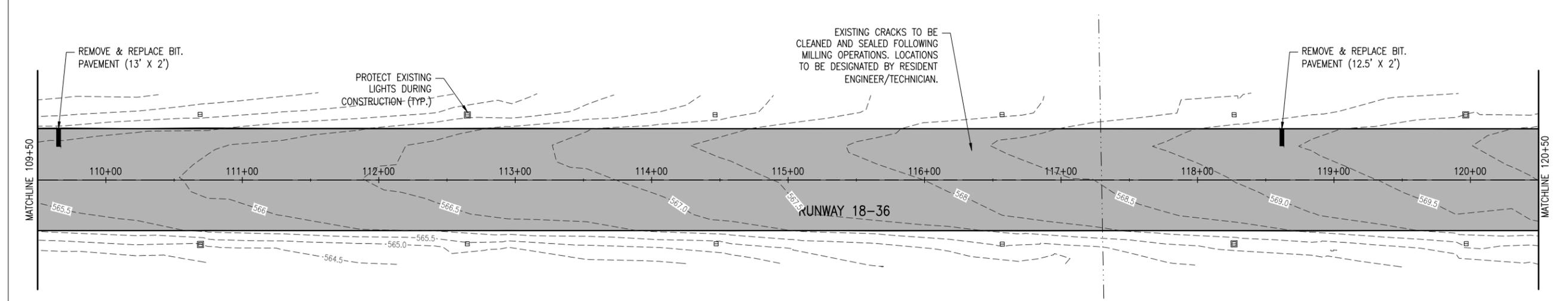
**LEGEND**

- EXISTING IMPROVEMENTS
- PROPOSED RUNWAY REHABILITATION
- EXISTING CONTOURS



CLEAN & SEAL BITUMINOUS CRACKS NOTES:

1. THE EXACT AMOUNT OF CRACKS TO BE CLEANED & SEALED WILL BE THE NUMBER OF LINEAR FEET OF CRACKS MARKED BY THE RESIDENT ENGINEER/TECHNICIAN AT THE TIME OF CONSTRUCTION.
2. ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN FOR REPAIR WILL BE COMPLETED AS STATED IN THE SPECIAL PROVISIONS.
3. THE PAVEMENT CONDITIONS AND QUANTITY OF CRACKS WERE IDENTIFIED DURING A SITE INSPECTION IN MARCH 2018.
4. THE PROPOSED CLEANING & SEALING OF THE IDENTIFIED CRACKS SHALL BE PERFORMED FOLLOWING THE PAVEMENT MILLING OPERATIONS AND PRIOR TO THE BITUMINOUS OVERLAY.
5. THE BITUMINOUS CRACK CLEANING & SEALING WILL BE PAID FOR UNDER ITEM:  
AR201661 - CLEAN & SEAL BITUMINOUS CRACKS - PER L.F.



**REHABILITATE  
RUNWAY 18-36**

IDA No: SLO-4429  
SBG Project No:  
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Contract No. SA033

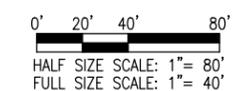
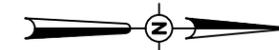
NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 8, 2018  
PROJECT NO: 18A0017D  
CAD FILE: C-141-CON.DWG  
DESIGN BY: JRH 05/10/2018  
DRAWN BY: JRH 05/10/2018  
REVIEWED BY: BSS 05/18/2018

SHEET TITLE

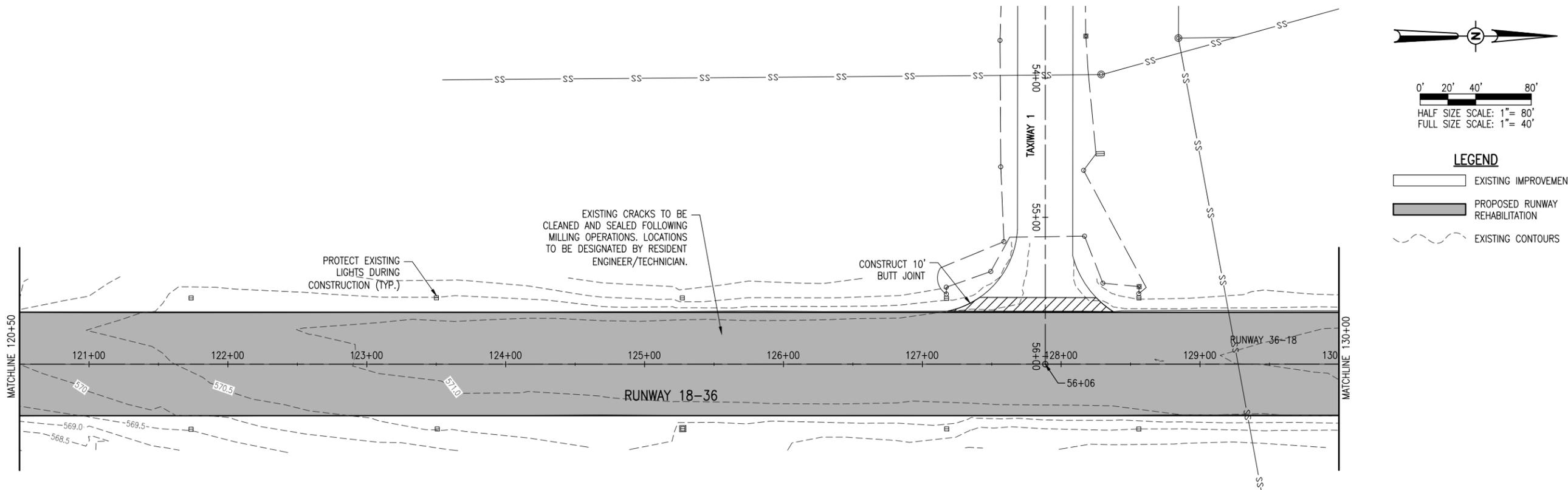
**PROPOSED  
CONSTRUCTION  
PLAN - SHEET 1**

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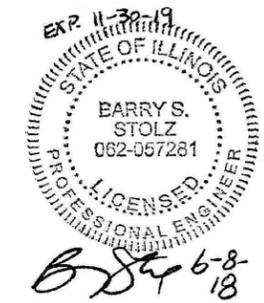
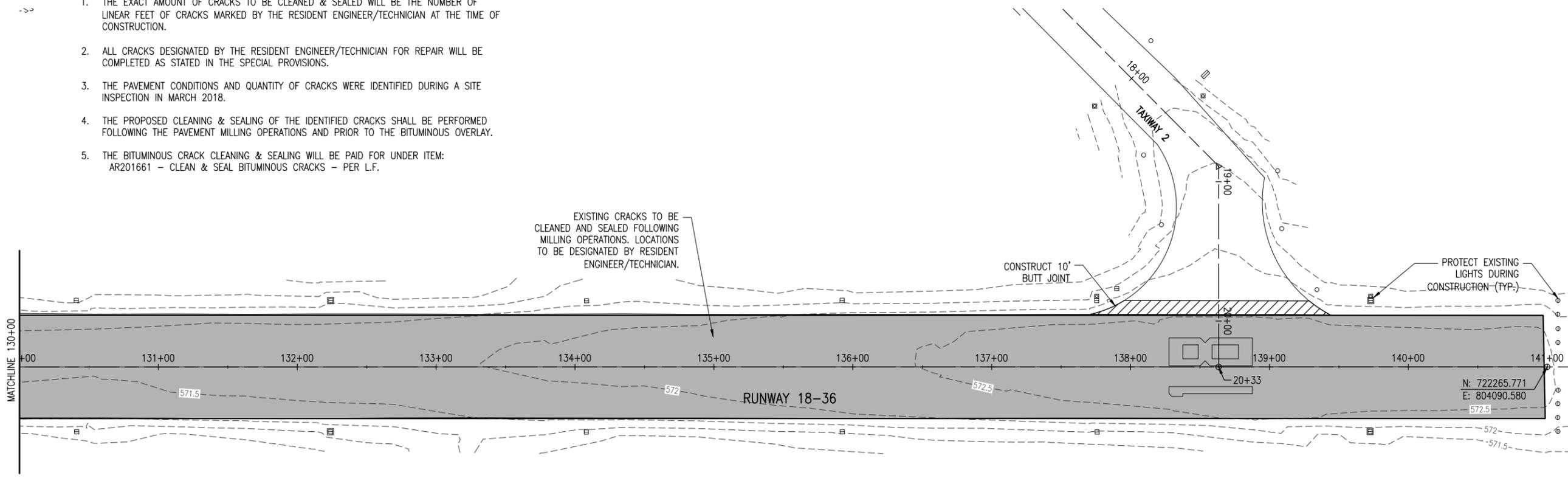
**LEGEND**

- EXISTING IMPROVEMENTS
- PROPOSED RUNWAY REHABILITATION
- EXISTING CONTOURS



CLEAN & SEAL BITUMINOUS CRACKS NOTES:

1. THE EXACT AMOUNT OF CRACKS TO BE CLEANED & SEALED WILL BE THE NUMBER OF LINEAR FEET OF CRACKS MARKED BY THE RESIDENT ENGINEER/TECHNICIAN AT THE TIME OF CONSTRUCTION.
2. ALL CRACKS DESIGNATED BY THE RESIDENT ENGINEER/TECHNICIAN FOR REPAIR WILL BE COMPLETED AS STATED IN THE SPECIAL PROVISIONS.
3. THE PAVEMENT CONDITIONS AND QUANTITY OF CRACKS WERE IDENTIFIED DURING A SITE INSPECTION IN MARCH 2018.
4. THE PROPOSED CLEANING & SEALING OF THE IDENTIFIED CRACKS SHALL BE PERFORMED FOLLOWING THE PAVEMENT MILLING OPERATIONS AND PRIOR TO THE BITUMINOUS OVERLAY.
5. THE BITUMINOUS CRACK CLEANING & SEALING WILL BE PAID FOR UNDER ITEM:  
AR201661 - CLEAN & SEAL BITUMINOUS CRACKS - PER L.F.



**REHABILITATE  
RUNWAY 18-36**

IDA No: SLO-4429

SBG Project No:  
3-17-SBGP-TBD

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ISSUE: JUNE 8, 2018

PROJECT NO: 18A0017D

CAD FILE: C-141-CON.DWG

DESIGN BY: JRH 05/10/2018

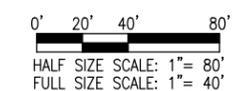
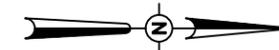
DRAWN BY: JRH 05/10/2018

REVIEWED BY: BSS 05/18/2018

SHEET TITLE

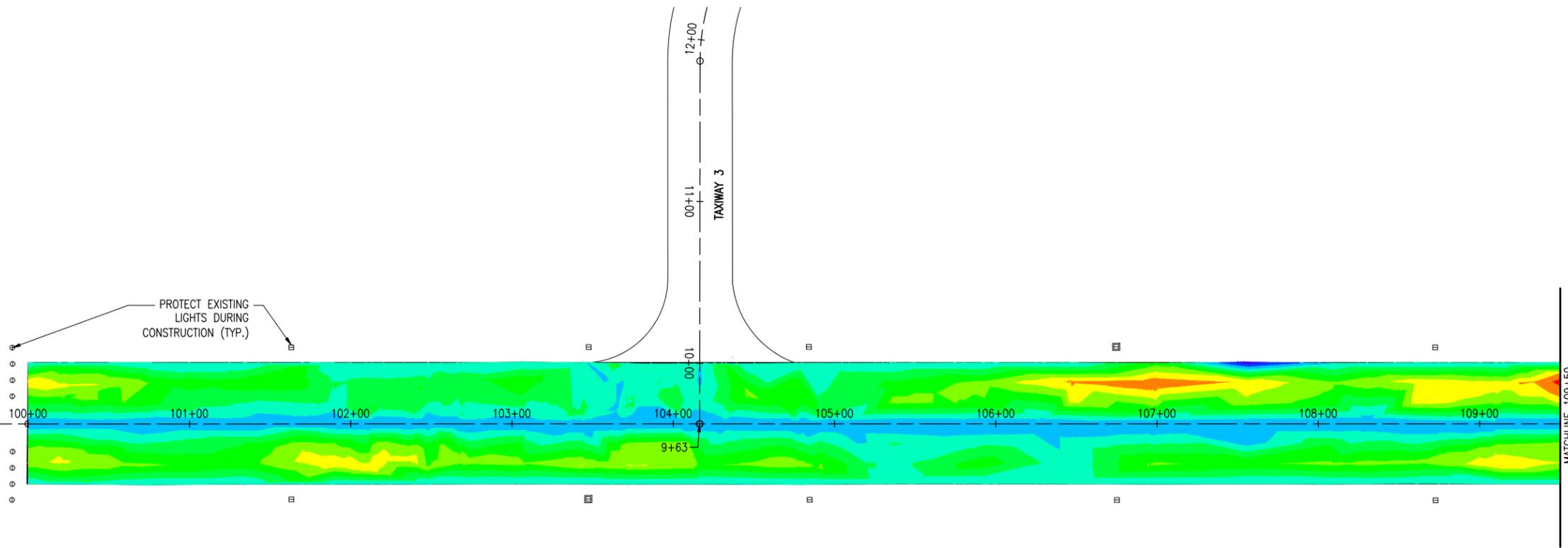
PROPOSED CONSTRUCTION

PLAN - SHEET 2



**LEGEND**

- EXISTING IMPROVEMENTS
- PROPOSED RUNWAY REHABILITATION



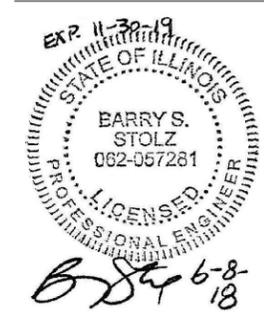
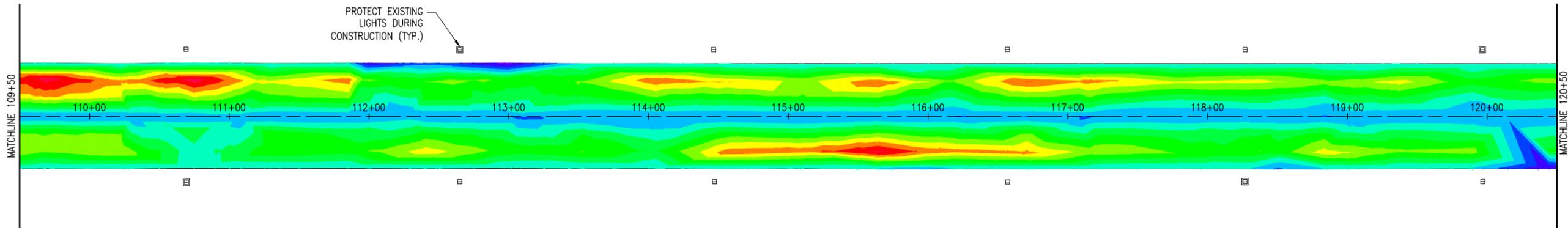
MILLING DEPTH TABLE		
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	-4.50"	-4.00"
	-4.00"	-3.50"
	-3.50"	-3.00"
	-3.00"	-2.50"
	-2.50"	-2.00"
	-2.00"	-1.50"
	-1.50"	-1.00"
	-1.00"	-0.50"
	-0.50"	0.00"
	0.00"	0.50"
	0.50"	1.00"
	1.00"	1.50"

NOTE: THIS PLAN SHEET IS INTENDED TO BE PRINTED IN COLOR FOR BEST VISIBILITY.

**NOTES:**

- FOLLOWING THE PROJECT AWARD, THE ENGINEER CAN PROVIDE THE RELEVANT AUTOCAD AND CIVIL 3D SURFACE MODEL FILES TO THE AWARDED CONTRACTOR UPON REQUEST TO ASSIST WITH CONSTRUCTION LAYOUT.
- BUTT JOINT MILLING AREAS ARE NOT SHOWN ON PROPOSED VARIABLE MILLING PLAN SHEETS FOR CLARITY. REFER TO TYPICAL CROSS SECTIONS FOR BUTT JOINT CONSTRUCTION DETAILS.
- THE POSITIVE VALUES SHOWN IN THE BOTTOM THREE (3) ROWS OF THE MILLING DEPTH TABLE ON THIS SHEET REPRESENT THE ADDITIONAL BITUMINOUS MATERIAL (IN EXCESS OF THE PROPOSED 1-1/2" OVERLAY) REQUIRED IN ORDER TO OBTAIN THE PROPOSED FINISHED PAVEMENT GRADES PER THE PLANS. ADDITIONAL BITUMINOUS MATERIAL PLACED TO ACCOMMODATE THESE GRADES SHALL BE PAID FOR UNDER ITEM AR401613.

PROTECT EXISTING LIGHTS DURING CONSTRUCTION (TYP.)



**REHABILITATE RUNWAY 18-36**

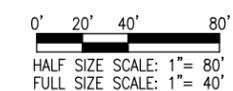
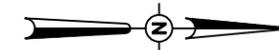
IDA No: SLO-4429  
SBG Project No: 3-17-SBGP-TBD  
Contract No. SA033

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 8, 2018  
PROJECT NO: 18A0017D  
CAD FILE: C-111-PRP.DWG  
DESIGN BY: JRH 05/16/2018  
DRAWN BY: JRH 05/16/2018  
REVIEWED BY: BSS 05/18/2018

SHEET TITLE

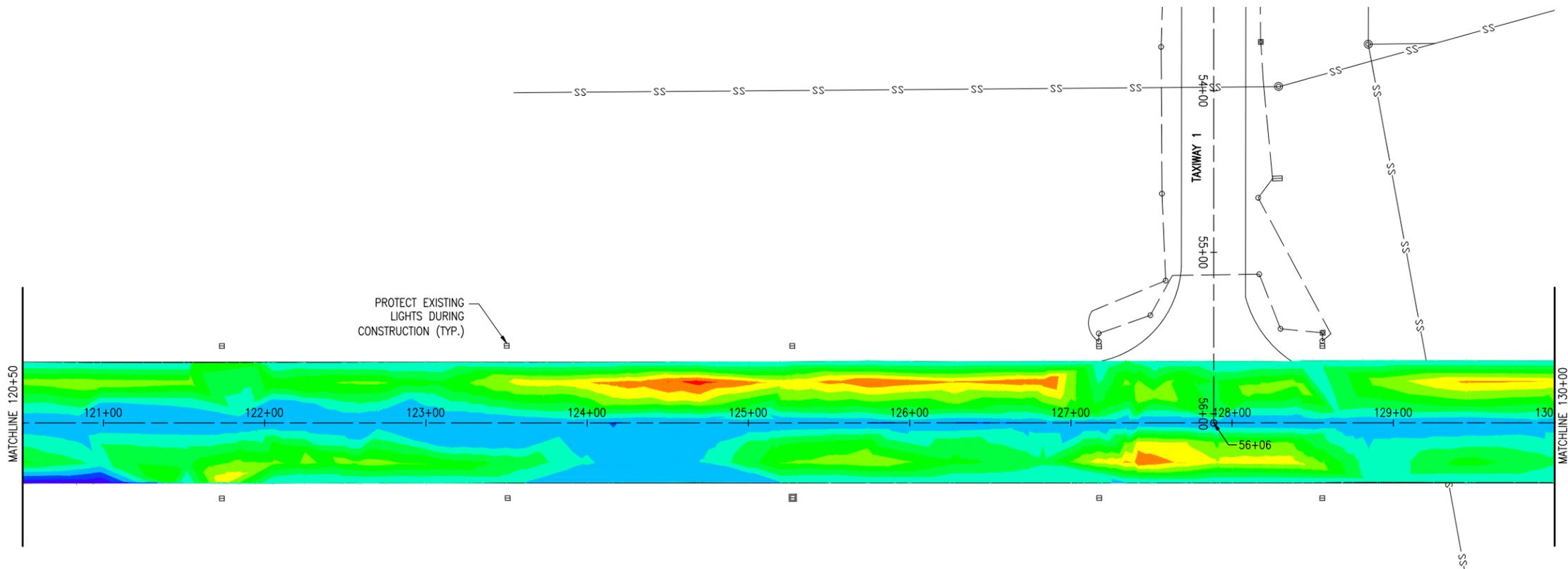
**PROPOSED VARIABLE MILLING PLAN - SHEET 1**



**LEGEND**

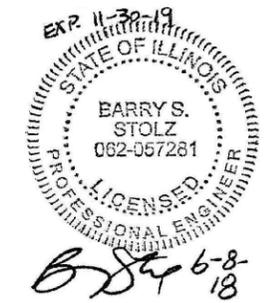
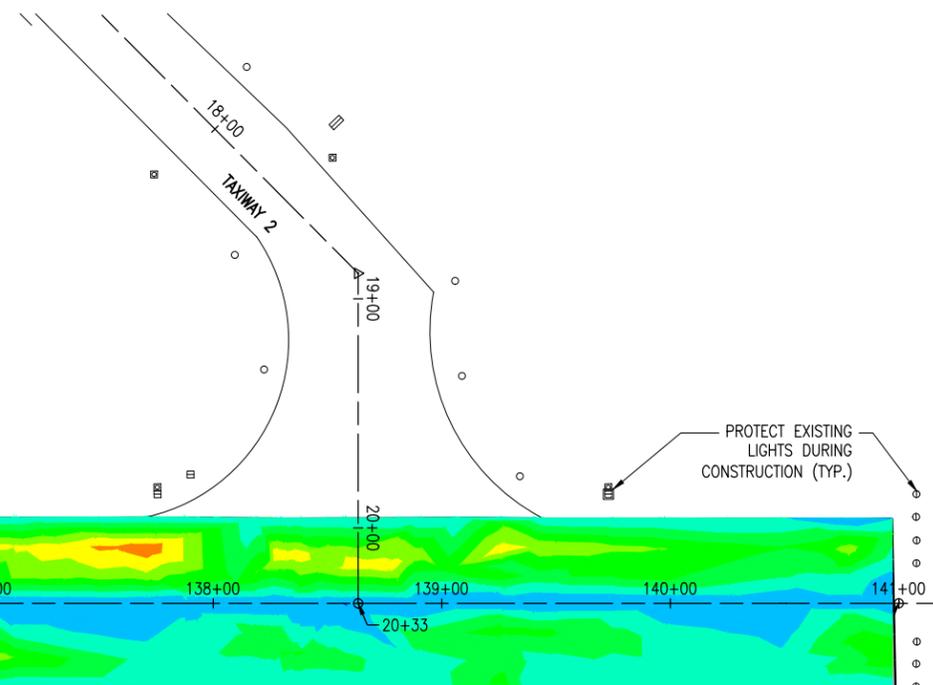
- EXISTING IMPROVEMENTS
- PROPOSED RUNWAY REHABILITATION

PROTECT EXISTING LIGHTS DURING CONSTRUCTION (TYP.)



MILLING DEPTH TABLE		
COLOR	MIN. MILL DEPTH	MAX. MILL DEPTH
	-4.50"	-4.00"
	-4.00"	-3.50"
	-3.50"	-3.00"
	-3.00"	-2.50"
	-2.50"	-2.00"
	-2.00"	-1.50"
	-1.50"	-1.00"
	-1.00"	-0.50"
	-0.50"	0.00"
	0.00"	0.50"
	0.50"	1.00"
	1.00"	1.50"

NOTE: THIS PLAN SHEET IS INTENDED TO BE PRINTED IN COLOR FOR BEST VISIBILITY.



**REHABILITATE RUNWAY 18-36**

IDA No: SLO-4429  
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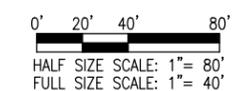
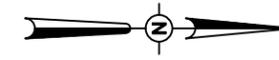
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**PROPOSED VARIABLE MILLING PLAN - SHEET 2**



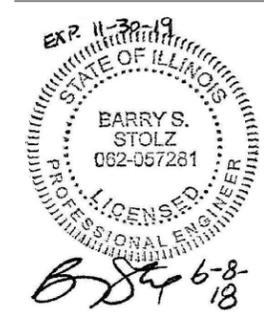
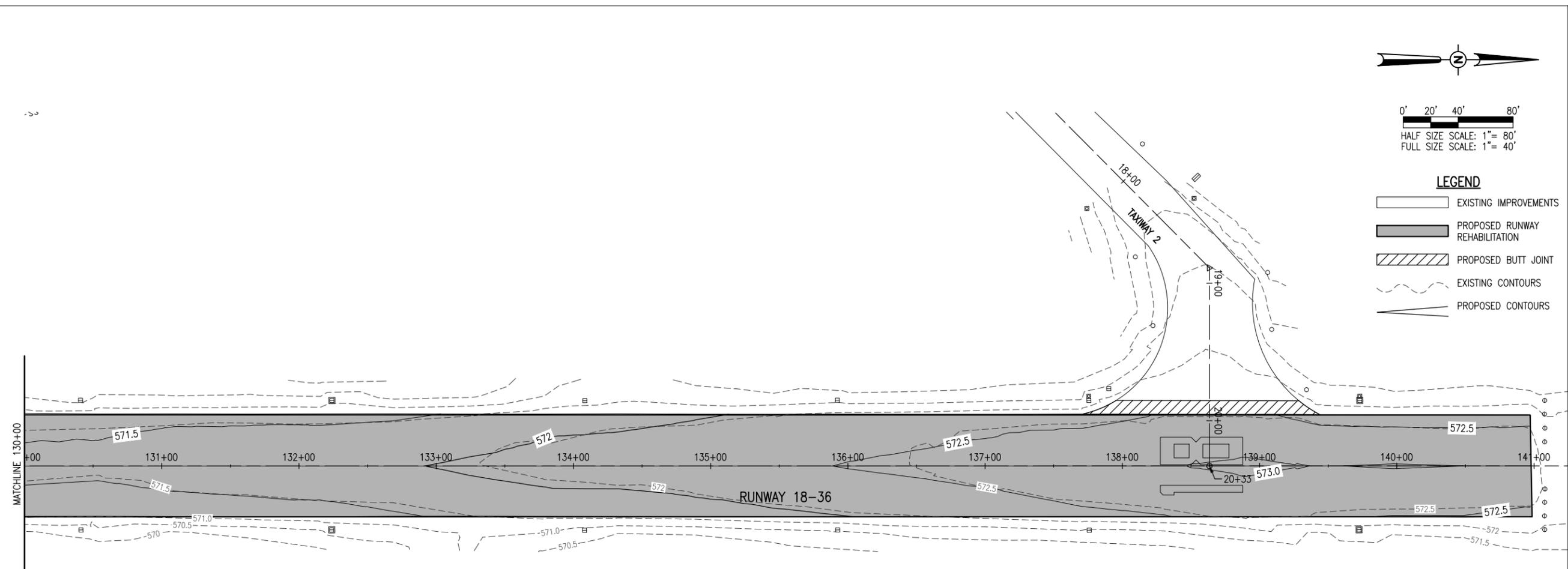






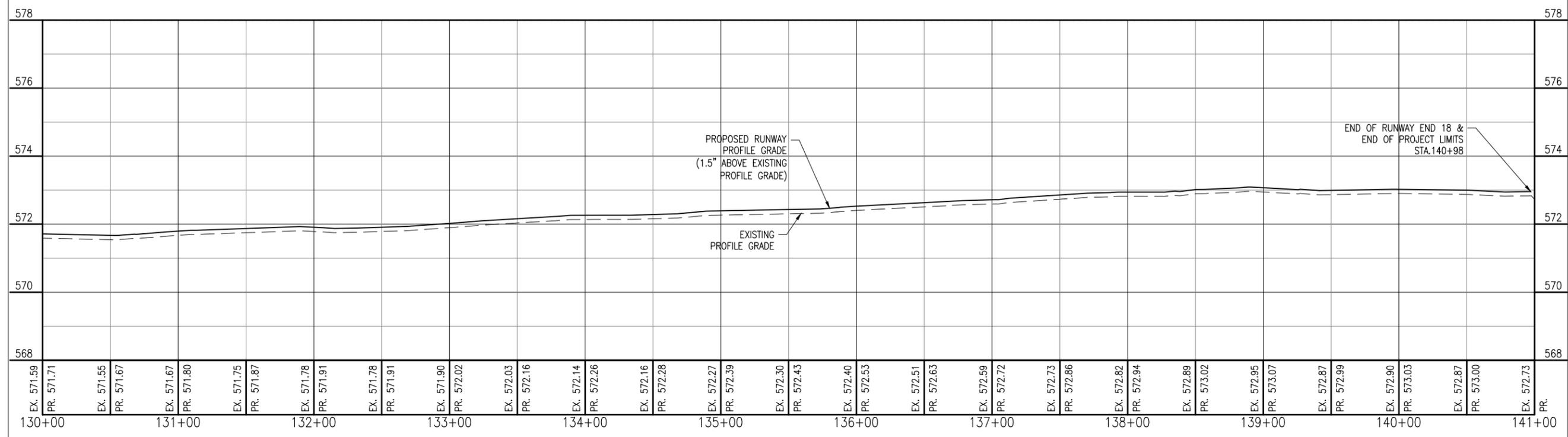
**LEGEND**

- EXISTING IMPROVEMENTS
- PROPOSED RUNWAY REHABILITATION
- PROPOSED BUTT JOINT
- EXISTING CONTOURS
- PROPOSED CONTOURS



**REHABILITATE  
RUNWAY 18-36**

IDA No: SLO-4429  
SBG Project No:  
3-17-SBGP-TBD  
Contract No. SA033

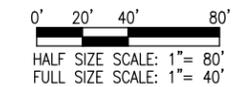
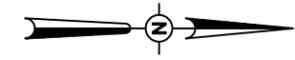



NO.	DATE	DESCRIPTION		
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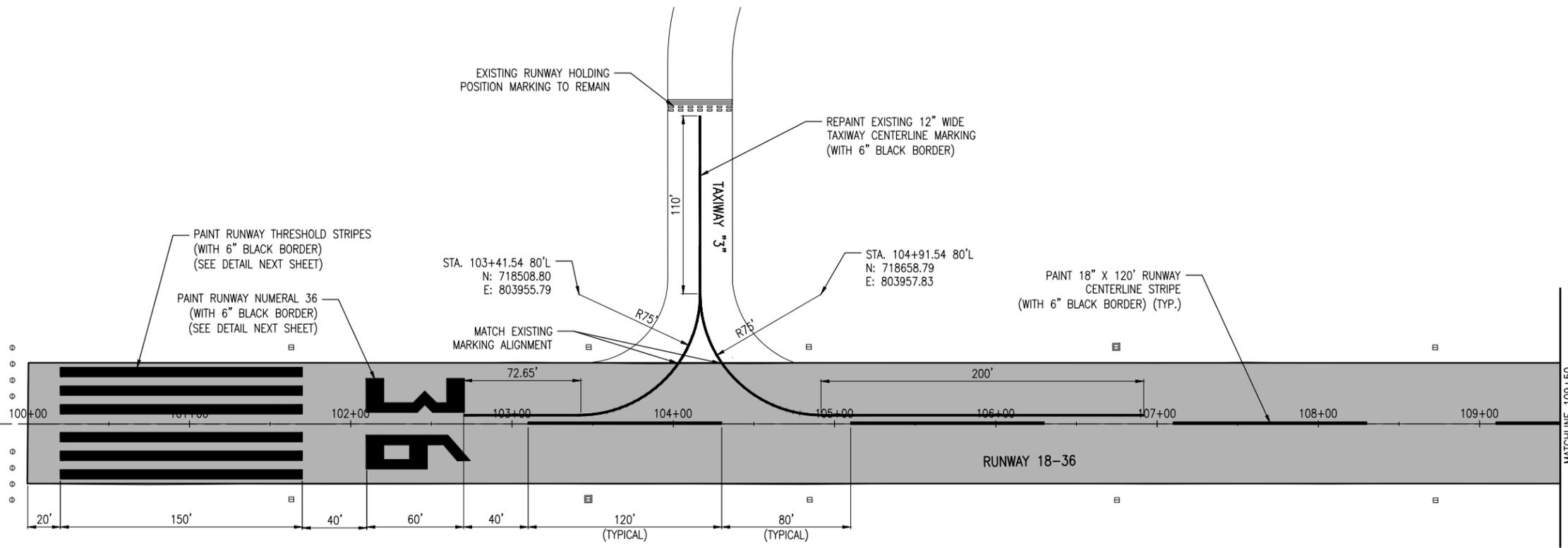
**PROPOSED PLAN  
AND PROFILE STA.  
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140+98**

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**LEGEND**

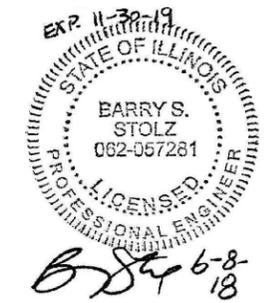
- EXISTING IMPROVEMENTS
- PROPOSED RUNWAY REHABILITATION



**PAVEMENT MARKING NOTES**

1. THE PAVEMENT MARKING-WATERBORNE (620) SHALL BE PLACED IN ACCORDANCE WITH ITEM 620 "PAVEMENT MARKING" AS STATED ON PAGE 272 OF THE ILLINOIS STANDARD SPECIFICATIONS FOR CONSTRUCTION OF AIRPORTS, ADOPTED APRIL 1, 2012.
2. THIS ITEM SHALL CONSIST OF RUNWAY MARKING AND TAXIWAY CENTERLINE MARKING IN ACCORDANCE WITH THESE SPECIFICATIONS AND AT THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. ALL MARKING WILL BE WHITE AND YELLOW IN COLOR WITH A 6-IN BLACK BORDER. THE PROPOSED PAVEMENT MARKING WILL BE APPLIED IN TWO APPLICATIONS.
3. ANY MATERIAL DELIVERED THAT FAILS TO MEET THE SPECIFICATIONS SHALL BE DISPOSED OF BY THE VENDOR AND IMMEDIATELY REPLACED WITH ACCEPTABLE MATERIAL ENTIRELY AT THE VENDOR'S EXPENSE, INCLUDING HANDLING AND TRANSPORTATION CHARGES.
4. IF THE CONTRACTOR ELECTS TO "BLOCK PAINT" THE BLACK PAINT AND THEN PAINT EITHER YELLOW OR WHITE PAINT OVER THE BLACK PAINT; ONLY THE VISIBLE 6" BLACK OUTLINE WILL BE ELIGIBLE FOR PAYMENT.
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.
6. CUT-OFF SHEETS WILL BE REQUIRED TO INSURE STRAIGHT EDGES.
7. THE PROPOSED MARKING WILL BE PAID FOR UNDER ITEM:  
AR620520 PAVEMENT MARKING-WATERBORNE \_\_\_\_ PER S.F.  
AR620525 PAVEMENT MARKING-BLACK BORDER \_\_\_\_ PER S.F.

MARKING QUANTITIES FOR RUNWAY 18-36	
<b>YELLOW MARKING</b>	<b>TOTAL AREA (S.F.)</b>
TAXIWAY CENTERLINES	1,913
<b>TOTAL YELLOW: 1,913</b>	
<b>WHITE MARKING</b>	<b>TOTAL AREA (S.F.)</b>
RUNWAY CENTERLINE STRIPES	3,210
THRESHOLD BARS	10,350
RUNWAY NUMERALS	2,529
<b>TOTAL WHITE: 16,089</b>	
<b>BLACK MARKING</b>	<b>TOTAL AREA (S.F.)</b>
TAXIWAY CENTERLINES	1,908
RUNWAY CENTERLINE STRIPES	2,230
THRESHOLD BARS	1,881
RUNWAY NUMERALS	414
<b>TOTAL BLACK: 6,433</b>	
<b>TOTAL YELLOW AND WHITE: 18,002</b>	
<b>TOTAL BLACK: 6,433</b>	
<b>TOTAL MARKING 24,435</b>	



**REHABILITATE RUNWAY 18-36**

IDA No: SLO-4429

SBG Project No:  
3-17-SBGP-TBD

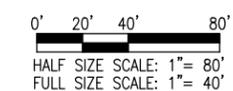
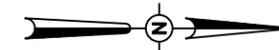
Contract No. SA033

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 8, 2018  
PROJECT NO: 18A0017D  
CAD FILE: C-151-MRK.DWG  
DESIGN BY: CWS 05/07/2018  
DRAWN BY: CWS 05/07/2018  
REVIEWED BY: BSS 05/18/2018

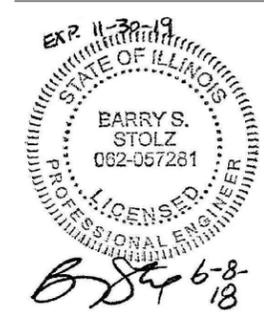
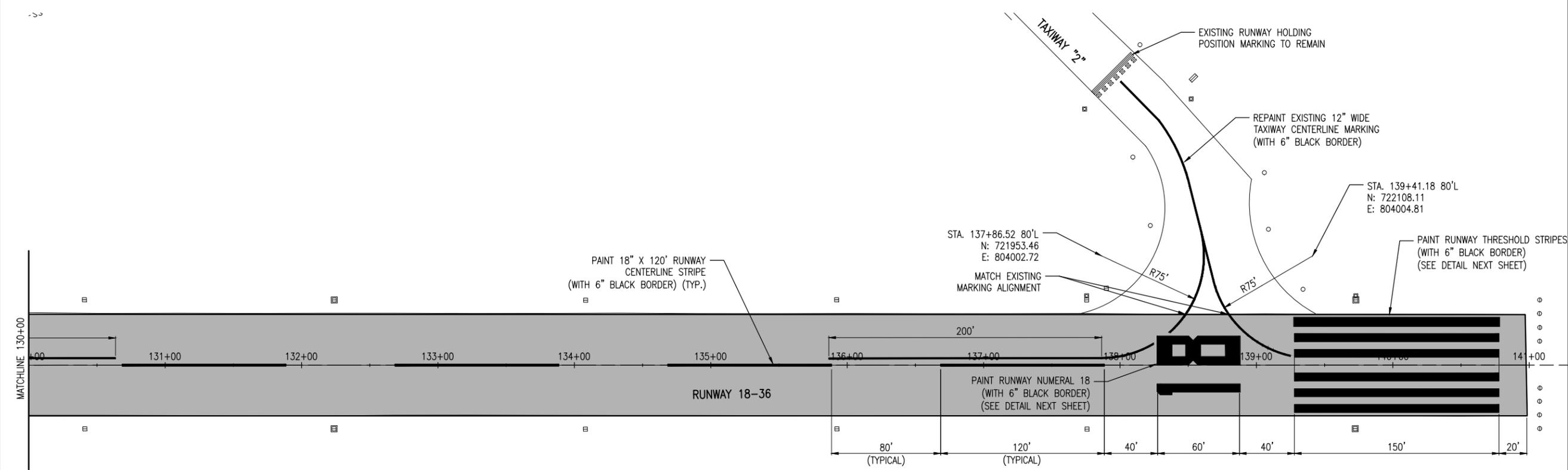
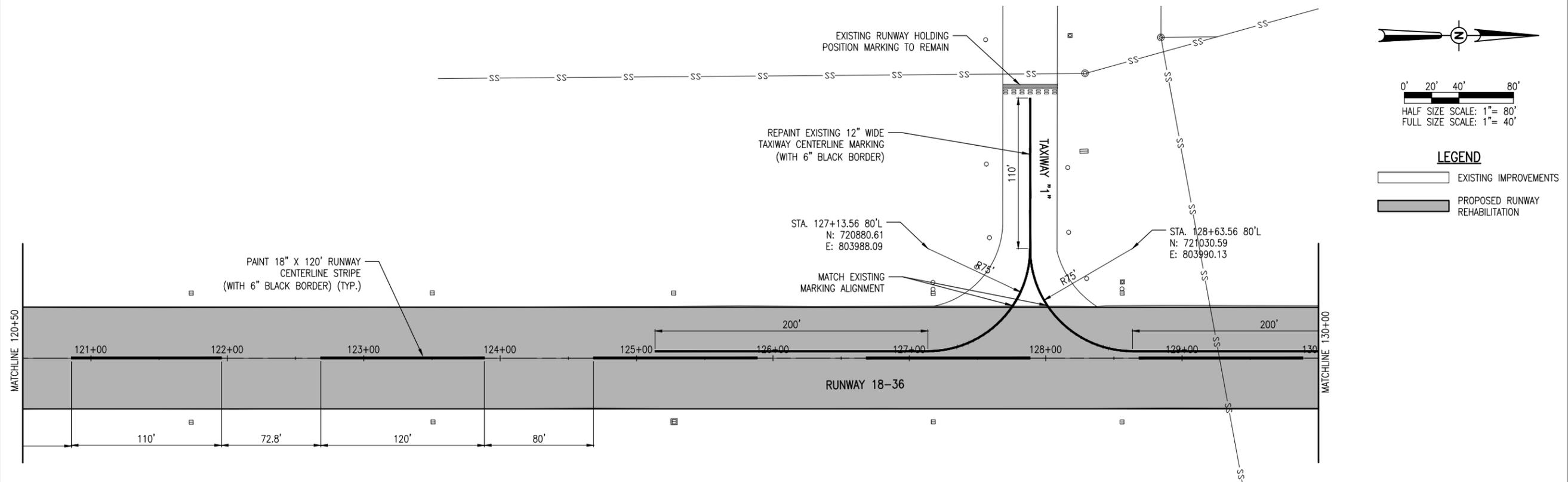
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**PROPOSED MARKING PLAN - SHEET 1**



**LEGEND**

- EXISTING IMPROVEMENTS
- PROPOSED RUNWAY REHABILITATION



**REHABILITATE  
RUNWAY 18-36**

IDA No: SLO-4429  
SBG Project No:  
3-17-SBGP-TBD  
Contract No. SA033


NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: JUNE 8, 2018

PROJECT NO: 18A0017D  
CAD FILE: C-151-MRK.DWG

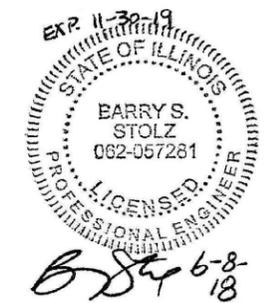
DESIGN BY: CWS 05/07/2018  
DRAWN BY: CWS 05/07/2018

REVIEWED BY: BSS 05/18/2018

SHEET TITLE

**PROPOSED MARKING  
PLAN - SHEET 2**

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REHABILITATE  
RUNWAY 18-36

IDA No: SLO-4429

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		DES	DWN	REV

ISSUE: JUNE 8, 2018

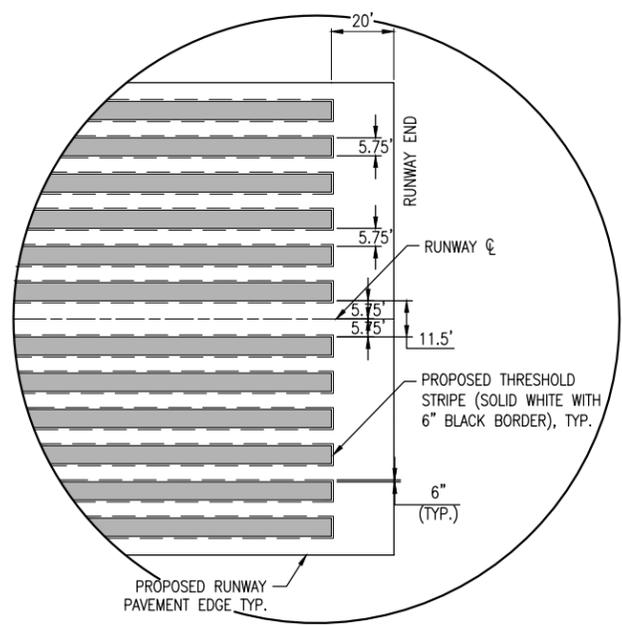
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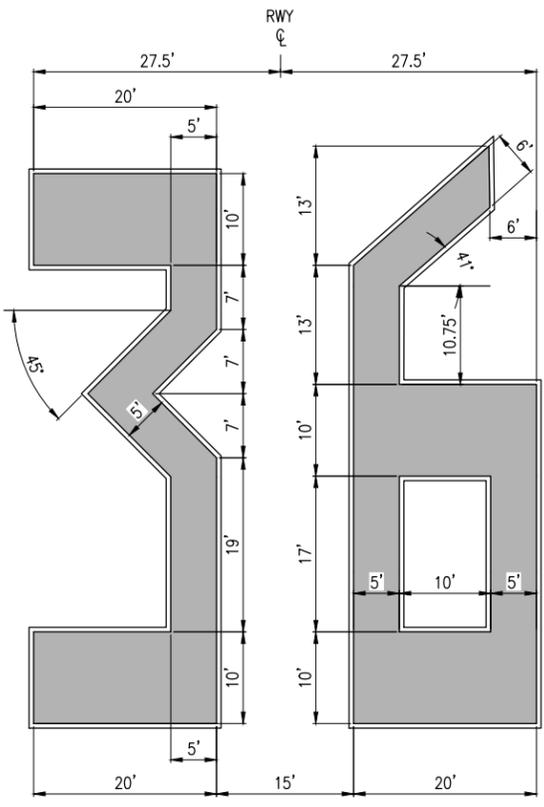
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SHEET TITLE

MARKING DETAILS  
AND NOTES



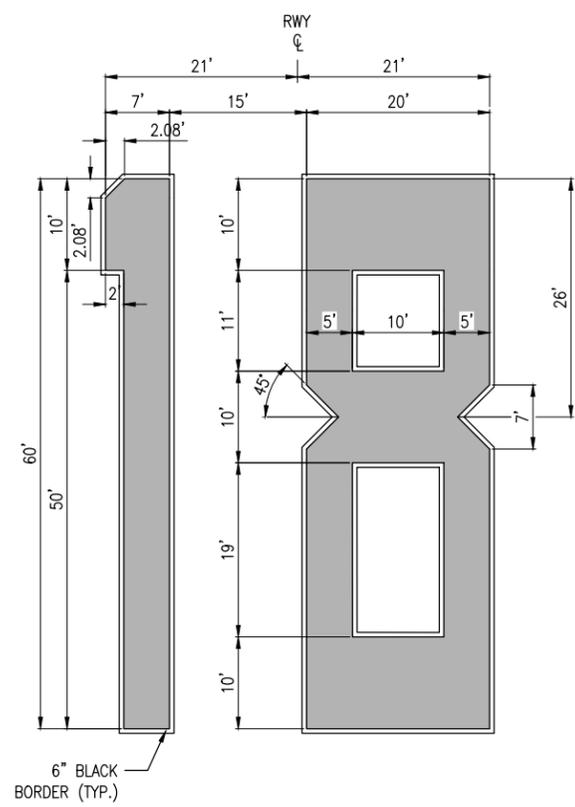
**RUNWAY THRESHOLD MARKING DETAIL**  
NOT TO SCALE



WHITE = 634 S.F.  
BLACK = 103 S.F.

WHITE = 713 S.F.  
BLACK = 113 S.F.

**RUNWAY 36 DESIGNATION MARKING**  
NOT TO SCALE



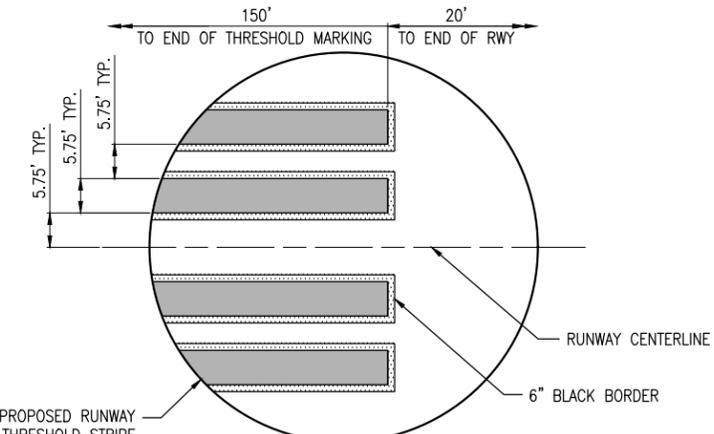
WHITE = 318 S.F.  
BLACK = 68 S.F.

WHITE = 874 S.F.  
BLACK = 132 S.F.

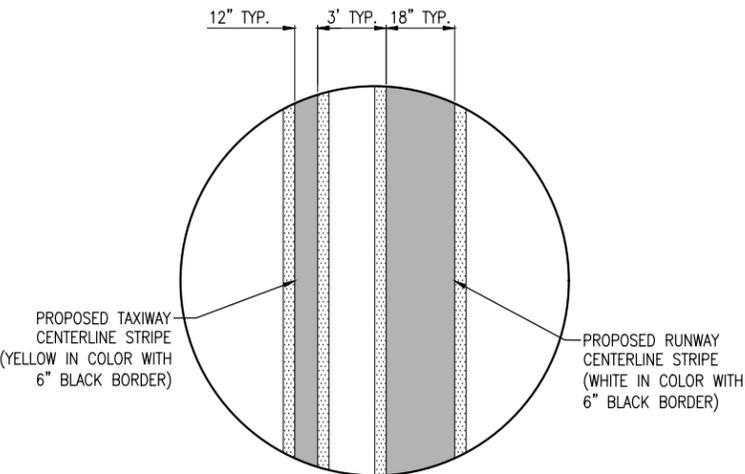
**RUNWAY 18 DESIGNATION MARKING**  
NOT TO SCALE

**RUNWAY DESIGNATION MARKING NOTES:**

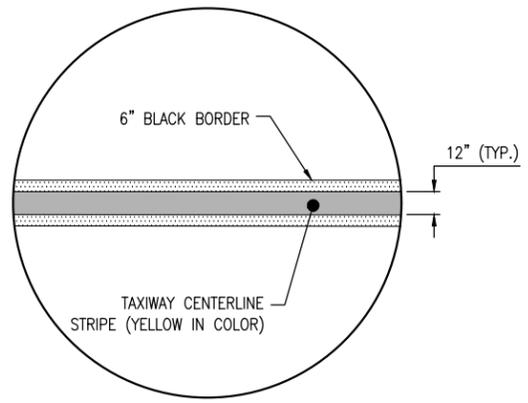
1. ALL NUMERAL MARKING WILL BE WHITE IN COLOR WITH A 6" BLACK OUTLINE.
2. NUMERALS ARE HORIZONTALLY SPACED 15 FEET APART.
3. DOUBLE DIGIT NUMERAL DESIGNATIONS ARE CENTERED ON THE RUNWAY PAVEMENT CENTERLINE BASED ON THE CENTER OF THE OUTER EDGES OF THE TWO NUMERALS.



**THRESHOLD STRIPE DETAIL**  
NOT TO SCALE



**TAXIWAY CENTERLINE LEAD-IN DETAIL**  
NOT TO SCALE



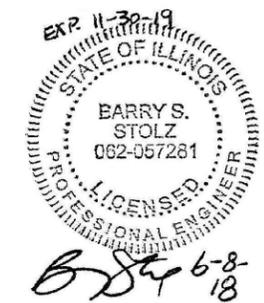
**TAXIWAY CENTERLINE DETAIL**  
NOT TO SCALE





Salem-Leckrone Airport

SALEM AIRPORT AUTHORITY  
1100 AIRPORT RD.  
SALEM, IL 62881



REHABILITATE  
RUNWAY 18-36

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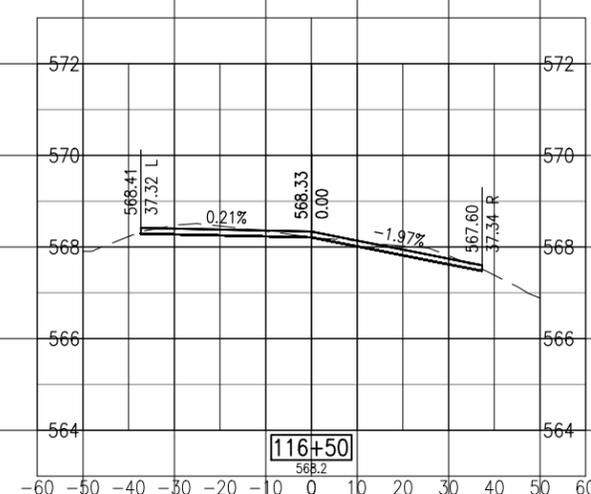
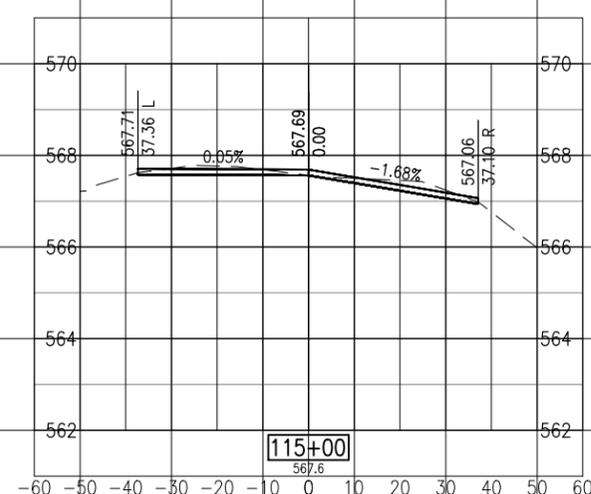
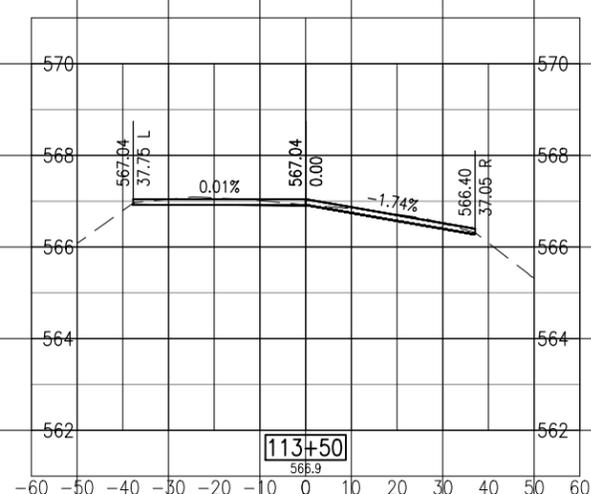
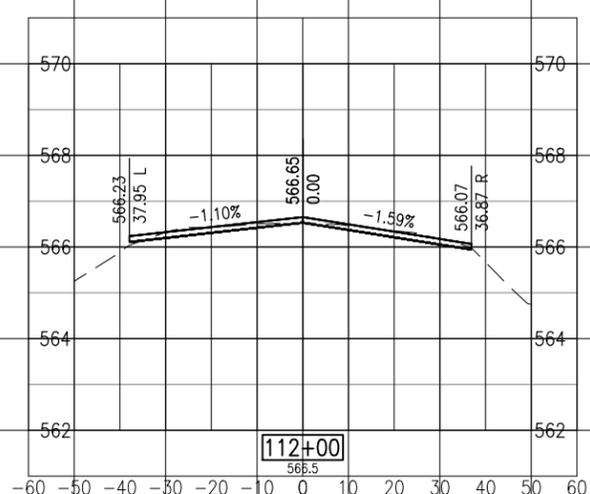
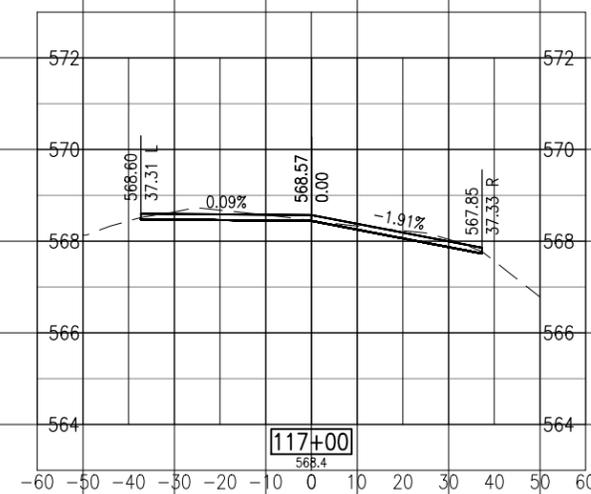
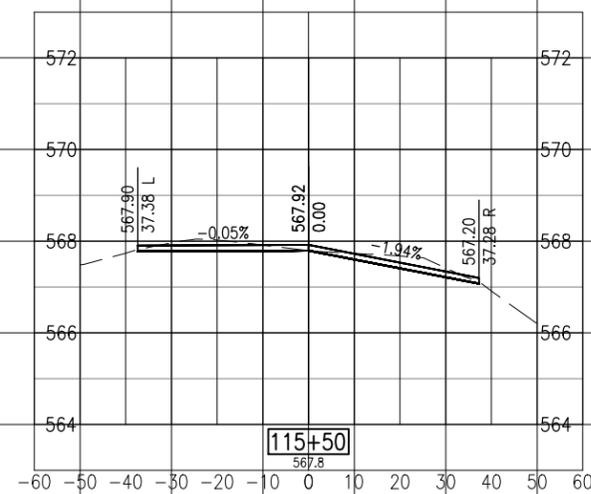
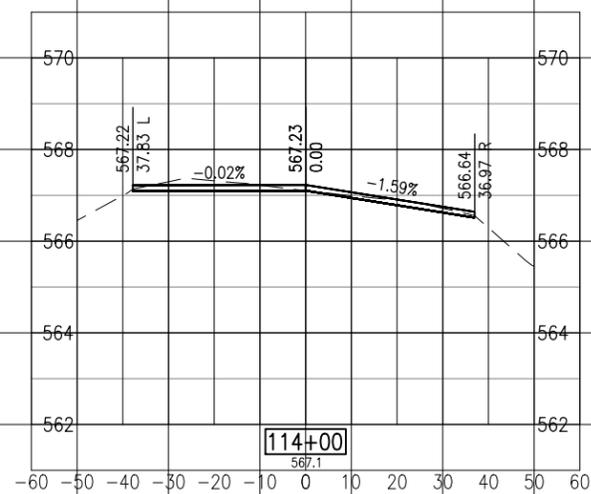
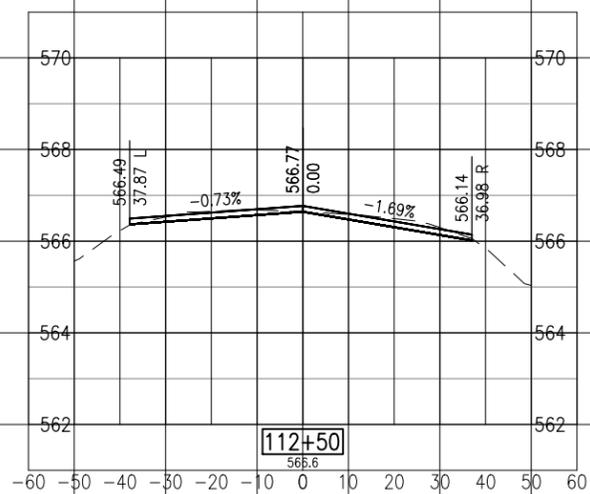
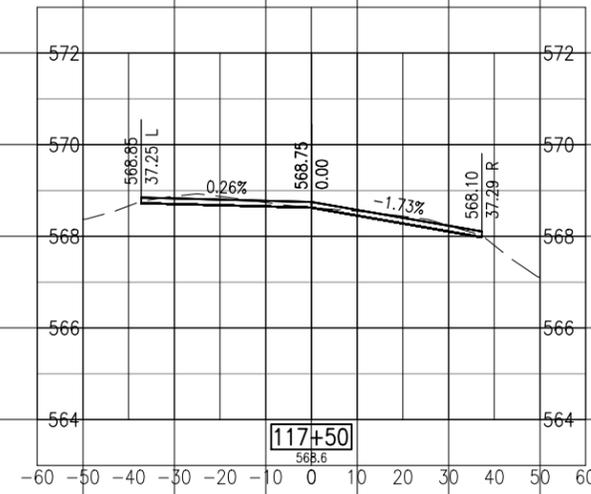
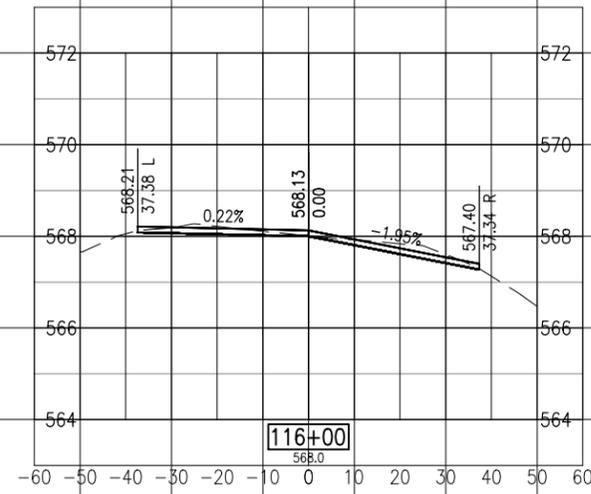
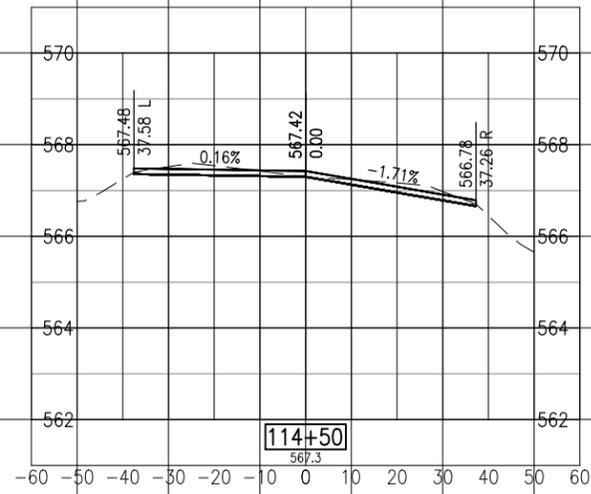
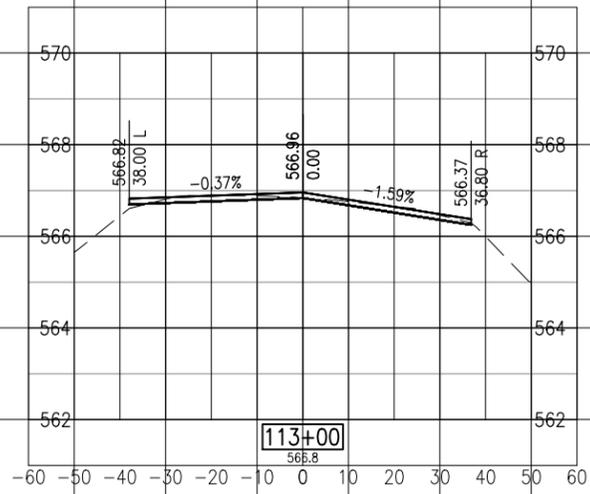
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CAD FILE: C-301-XS.DWG

DESIGN BY: JRH 05/17/2018  
DRAWN BY: JRH 05/17/2018

REVIEWED BY: BSS 05/18/2018

SHEET TITLE

PROPOSED CROSS  
SECTIONS STA.  
112+00 TO STA.  
117+50



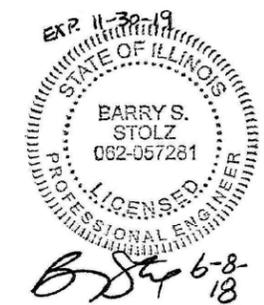
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Salem-Leckrone Airport

SALEM AIRPORT AUTHORITY  
1100 AIRPORT RD.  
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REHABILITATE  
RUNWAY 18-36

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DRAWN BY: JRH 05/17/2018

REVIEWED BY: BSS 05/18/2018

SHEET TITLE

PROPOSED CROSS  
SECTIONS STA.  
130+00 TO STA.  
135+50

