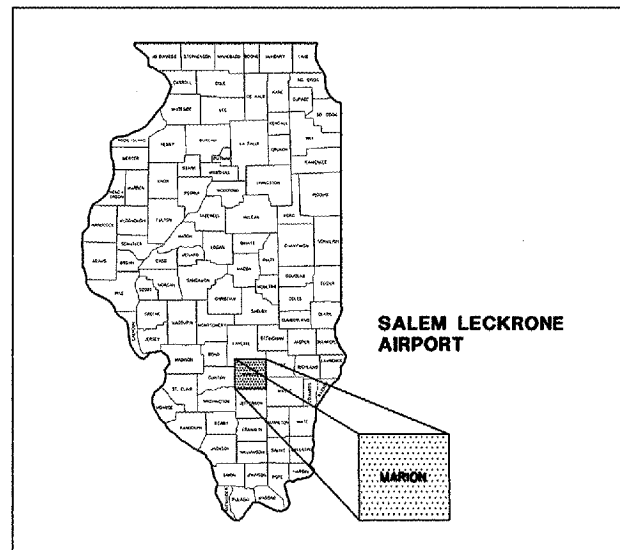


CONSTRUCTION PLANS FOR SALEM LECKRONE AIRPORT SALEM, MARION COUNTY, ILLINOIS REHABILITATE T-HANGER TAXIWAYS

THIS PROJECT SHALL CONSIST OF BITUMINOUS MILLING, RESURFACING WITH BITUMINOUS SURFACE COURSE,
CONSTRUCTING STORM SEWER, CONSTRUCTING TRENCH DRAINS, EARTHWORK GRADING, AND OTHER MISCELLANEOUS WORK.

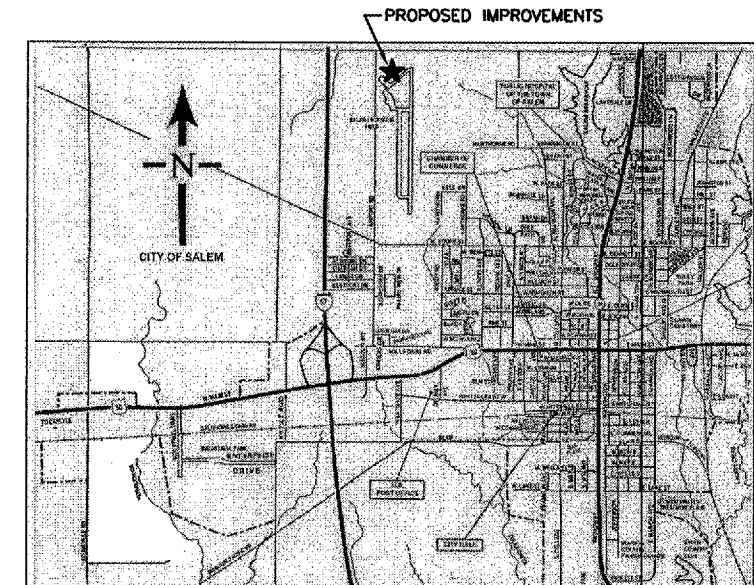


LOCATION MAP

ILLINOIS PROJECT - SLO-3602
AIP PROJECT NO - 3-17-0089-B11
DATE: JUNE 27, 2006

INDEX TO SHEETS

- 1 COVER SHEET, INDEX TO SHEETS, AND SUMMARY OF QUANTITIES
- 2 SAFETY PLAN
- 3 EXISTING SITE AND DEMOLITION PLAN
- 4 SITE LAYOUT AND GRADING PLAN
- 5 TYPICAL SECTIONS & MISCELLANEOUS DETAILS



VICINITY MAP

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	AWARDED QUANTITY			AS-BUILT QUANTITY
			FED/STATE/LOCAL	FED/LOCAL	TOTAL	
AR152410	UNCLASSIFIED EXCAVATION	C.Y.	170		170	
AR156540	RIPRAP	S.Y.	22.2		22.2	
AR156512	BALES	EACH	8		8	
AR401610	BITUMINOUS SURFACE COURSE	TON	319	195	514	
AR401650	BITUMINOUS PAVEMENT MILLING	S.Y.	1895	1739	3634	
AR401900	REMOVE BITUMINOUS PAVEMENT	S.Y.	277		277	
AR603510	BITUMINOUS TACK COAT	GAL.	250	180	430	
AR751001	TRENCH DRAIN	L.F.	226		226	
AR620520	PAVEMENT MARKING - WATERBORNE	S.F.	461		461	
AR701008	8" PVC STORM SEWER	L.F.	175		175	
AR705610	CONCRETE HEADWALL FOR UNDERDRAIN	EACH	2		2	
AR751411	INLET - TY A	EACH	1		1	
AR901510	SEEDING	ACRE	0.15		0.15	
AR908510	MULCHING	ACRE	0.15		0.15	

LATITUDE: 38°38'34"
LONGITUDE: 88°57'51"
ELEVATION: 573 M.S.L.

STS
STS Consultants
2524 South Broadway
P.O. BOX 850
Salem, Illinois 62881
Ph(618)548-3500
FAX(618)548-5246
IL Design Firm Reg.
No. 184-001518
www.stsconsultants.com



SUBMITTED BY *Michael R. Quandt*
DATE June 27, 2006

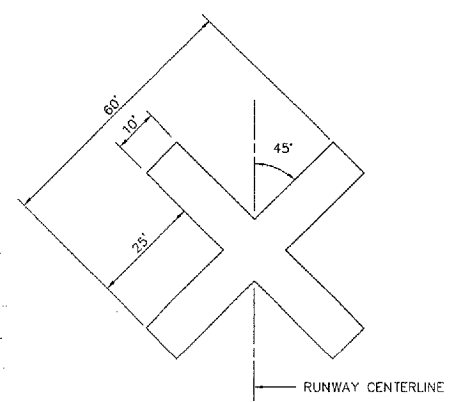
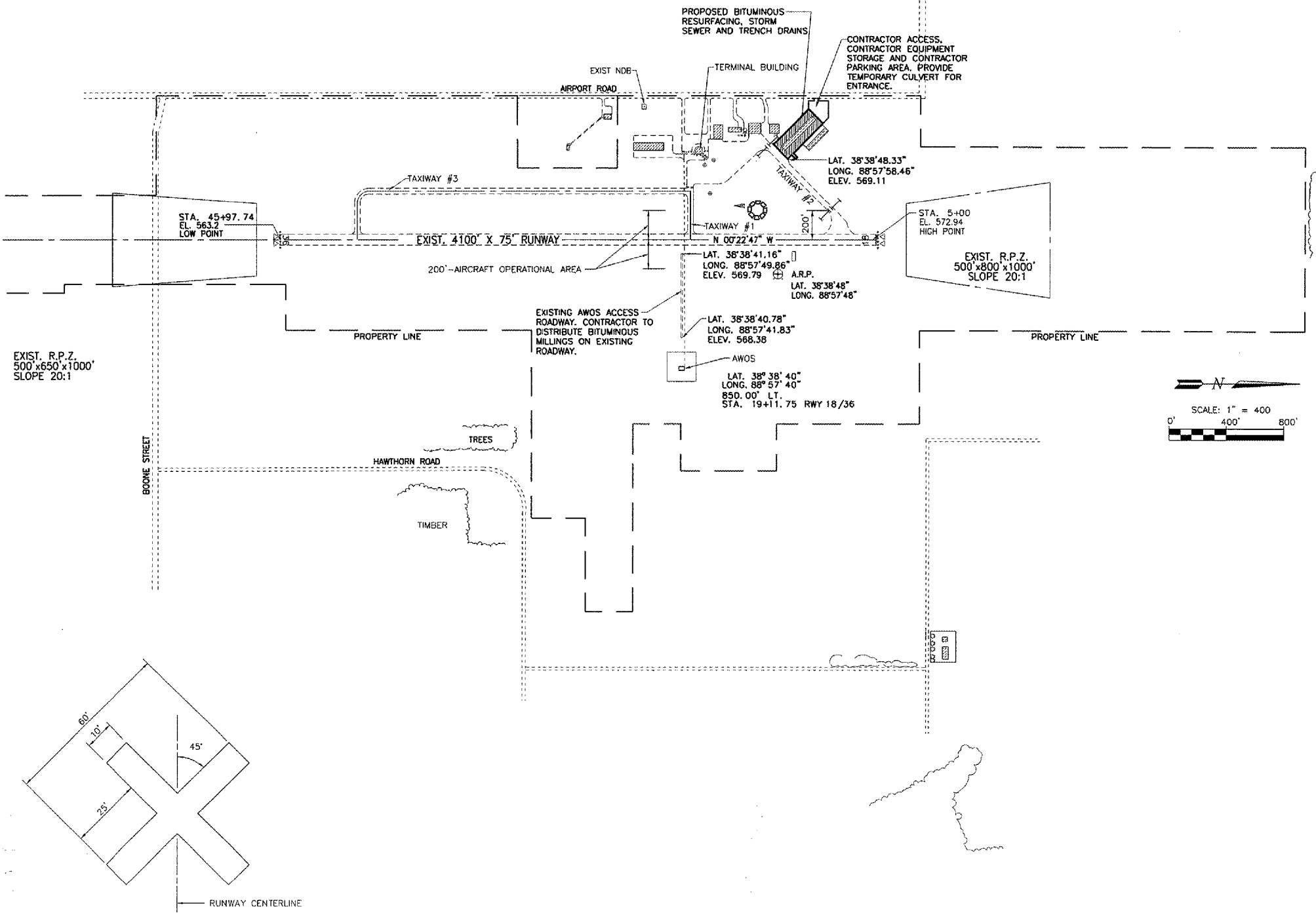
SALEM LECKRONE
AIRPORT
SALEM, ILLINOIS

APPROVED *Michael R. Quandt*
CHAIRMAN, SALEM AIRPORT AUTHORITY

DATE 6-27-06

LEGEND

- EXISTING NON-DIRECTIONAL BEACON (NDB)
- EXISTING AIRPORT BOUNDARY
- EXISTING ROTATING BEACON
- EXISTING INTERNALLY LIGHTED WIND CONE
- EXISTING THRESHOLD LIGHT - GREEN
- EXISTING RUNWAY PROTECTION ZONE (RPZ)
- FUTURE SEGMENTED CIRCLE
- SECURITY FENCE
- EXISTING AIRPORT BUILDINGS
- EXISTING RUNWAY END IDENTIFIER LIGHT (REIL)
- BARRICADES



CONTRACTOR'S RESPONSIBILITIES

1. THE CONTRACTOR'S EMPLOYEES WILL PARK IN THE EQUIPMENT PARKING AREA.
2. THE CONTRACTOR WILL FURNISH ALL EMPLOYEES WITH SOME TYPE OF TAG OR GARMENT TO IDENTIFY THEM AS BEING PART OF THE CONSTRUCTION CREW.
3. WHEN THE CONTRACTOR'S VEHICLES ARE ON THE AIRPORT SITE THEY WILL BE PROPERLY MARKED WITH THE INTERNATIONAL ORANGE AND WHITE FLAG DISPLAYED IN FULL VIEW ABOVE THE VEHICLES.
4. CONTRACTOR MUST HAVE AERONAUTIC RADIO FOR EMERGENCY USE (122.8 MHZ)
5. THE CONTRACTOR WILL NOT BE ALLOWED ACCESS TO THE AIRPORT TERMINAL BUILDING & WILL NEED TO SUPPLY PORTABLE RESTROOMS ON SITE FOR CONSTRUCTION CREWS.
6. CONTRACTOR PERSONNEL SHALL BE LIMITED TO AREA REQUIRED TO CONSTRUCT IMPROVEMENTS. ACCESS NOT ALLOWED ACROSS AIRPORT PROPERTY.
7. ALL BITUMINOUS MILLINGS SHALL BE DISTRIBUTED ON THE EXISTING AWOS ACCESS ROADWAY AND WILL BE PLACED AS DIRECTED BY THE AIRPORT MANAGER.

AIRCRAFT OPERATIONAL AREA

THE RESIDENT ENGINEER WILL ESTABLISH THE AIRCRAFT OPERATION AREA BY PLACING A ROW OF FLAGGED LATH 200' FROM THE RUNWAY CENTERLINE. THE CONTRACTOR OR HIS EMPLOYEES WILL NOT PROCEED INTO THE AIRCRAFT OPERATIONAL AREA WITHOUT FIRST CLOSING THE AFFECTED RUNWAY. THE CONTRACTOR WILL NOTIFY THE AIRPORT MANAGER ONE WEEK IN ADVANCE OF A RUNWAY CLOSING. ANY RUNWAY CLOSURE MUST BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY CONSTRUCTION. WHEN CONSTRUCTION ACTIVITIES ARE WITHIN 200' OF THE RUNWAY CENTERLINE, THE RUNWAY WILL BE CLOSED BY PLACING YELLOW CROSSES OVER THE NUMBERS OF THE RUNWAY. COST OF CONSTRUCTING, MAINTAINING AND REMOVING CROSSES WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONTRACTOR'S OPERATIONS WITHIN THE 200' AIRCRAFT OPERATION AREA SHALL BE STAGED SO THAT ONE RUNWAY CLOSING MAXIMUM WILL OCCUR. ONE CLOSURE FOR DISTRIBUTING MILLINGS TO EXISTING AWOS ACCESS ROADWAY.

DURING CONSTRUCTION OPERATIONS WITHIN 60' OF TAXIWAY #2 CENTERLINE, TAXIWAY #2 SHALL BE CLOSED BY PLACING BARRICADES AS SHOWN ON THIS SHEET. TAXIWAY #2 SHOULD BE OPENED AT THE END OF THE WORK DAY.

MISCELLANEOUS NOTES

NO OPEN HOLES OR TRENCHES WILL BE ALLOWED WITHIN 200' OF THE RUNWAY CENTERLINES OR WITHIN 60' OF THE TAXIWAY. THESE HOLES OR TRENCHES WILL BE FILLED IN AND ALL RUNWAYS WILL BE REOPENED AFTER EACH WORKDAY. WASTE AND LOOSE MATERIAL WITHIN 200' OF THE RUNWAY AND 60' OF THE TAXIWAY WILL BE REMOVED AFTER EACH WORKING DAY.

THE LOCATIONS OF THE UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAVE BEEN OBTAINED FROM EXISTING RECORDS. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER, IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED.

EROSION CONTROL

WORK WILL DISTURB LESS THAN 1 ACRE OF LAND. THEREFORE NO N.P.D.E.S. PERMIT WILL BE REQUIRED.

SCOPE OF WORK

WORK SHALL CONSIST OF BITUMINOUS MILLING, RESURFACING WITH BITUMINOUS SURFACE COURSE, CONSTRUCTING STORM SEWER, CONSTRUCTING TRENCH DRAINS, EARTHWORK GRADING, AND OTHER MISCELLANEOUS WORK.

HAUL ROUTE AND EQUIPMENT PARKING AREA

CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING AREA AS SHOWN ON THIS SHEET. INSTALL TEMPORARY CULVERT. IT WILL BE THEIR RESPONSIBILITY TO MAINTAIN THE HAUL ROUTE AND PARKING AREA DURING CONSTRUCTION, MAINTAIN THE AIRPORT SECURITY AT THE HAUL ROUTE ENTRANCE, AND RESTORE THESE AREAS TO THEIR ORIGINAL SHAPE AFTER CONSTRUCTION IS COMPLETED. ANY AREAS DAMAGED OUTSIDE THESE AREAS WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

EXISTING CABLE LOCATIONS

THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AND HAVE ALL UTILITIES LOCATED AND IDENTIFIED FOR DEPTH BEFORE ANY EXCAVATION BEGINS. 1-800-892-0123.

CONSTRUCTION EQUIPMENT HEIGHT

MAXIMUM HEIGHT OF CONSTRUCTION EQUIPMENT SHALL NOT EXCEED 25'.

DETAIL OF CROSS FOR CLOSED RUNWAY

ILLINOIS PROJECT: SLO-3602
AIP PROJECT NO: 3-17-0089-B11

2524 South Broadway, P.O. Box 850
Salem, Illinois 62881
Ph: (618) 548-3500
Fax: (618) 548-5248
IL Design Firm Registration
No. 184-001518

REHABILITATE T-HANGER TAXIWAYS
SALEM LECKRONE AIRPORT
SALEM, ILLINOIS

SAFETY PLAN

SURVEY	JAS	CHECKED	DATE	06/27/06	SHEET	2
DESIGN	MRO	APPROVED	REVISED			
DRAWN	DAW / P.T.		JOB NO.	30662001		5

1323892001A.GPJ/02-SAFETY 06/27/06

HORIZONTAL AND VERTICAL CONTROL DATA

POINT	DESCRIPTION	N. COOR.	E. COOR.	ELEV.
HVC#1	IRON PIN	14305.21	10454.56	569.31
HVC#2	IRON PIN	14415.33	10142.44	568.06
HVC#3	IRON PIN	14733.02	10106.40	566.51

LEGEND

- EXISTING POINT DESCRIPTOR AND ELEVATION
- EXISTING SURFACE DRAINAGE
- EXISTING IRON PIN
- EXISTING CONTROL POINT

NOTES:

EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHALL HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE OWNER & MUST BE CONSIDERED APPROXIMATE. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTACT J.U.L.I.E., ALL UTILITY COMPANIES, & THE OWNER.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. EACH CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

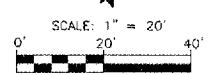
SEE SHEET 4 FOR NEW PAVEMENT ELEVATIONS, AND LIMITS OF NEW PAVEMENT STRUCTURES.

SEE SHEET 4 FOR REMAINING NOTES.

EXISTING BITUMINOUS PAVEMENT TO BE MILLED AS REQUIRED TO PLACE BITUMINOUS PAVEMENT, 2".

EXISTING PAVEMENT TO BE REMOVED AS REQUIRED TO PLACE 8" STORM SEWER TRENCH DRAIN AND NEW FULL DEPTH PAVEMENT, 8" SAW CUT FULL PERIMETER.

PLAN



ILLINOIS PROJECT: SLO-3602
AIP PROJECT NO: 3-17-0089-B11

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Salem, Illinois 62881
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REHABILITATE T-HANGER TAXIWAYS
SALEM LECKRONE AIRPORT
SALEM, ILLINOIS

EXISTING SITE
AND
DEMOLITION PLAN

SURVEY	CHECKED	DATE	SHEET
JAS		08/27/06	3
DESIGN	APPROVED	REVISED	
MRQ			
DRAWN	JOB NO.		
JMW/BLT	200602903		5

L:\2006\2333\30703-2600 05/23/06

NOTES:

SPECIFICATION: STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2002.

CONTRACTOR SHALL PERFORM HIS WORK IN A MANNER WHICH WILL NOT DAMAGE ANY UTILITY LINES. IF THE CONTRACTOR DAMAGES A UTILITY LINE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE LINE REPAIRED TO THE SATISFACTION OF THE USING AGENCY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR THE REPAIR COST.

SEED, FERTILIZE, AND MULCH ALL NON-PAVED OR NON-BUILDING AREAS THAT HAVE BEEN DISTURBED.

ALL DIMENSIONS AND CALLOUTS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN.

ALL WORK SHALL BE ON AIRPORT PROPERTY AND AIRPORT ROAD ROW.

ENGINEER WILL PROVIDE LAYOUT STAKING FOR ALL POINTS SHOWN ON PLAN VIEW WITH AN ELEVATION.

ANY EXCESS TOPSOIL SHALL BE STOCKPILED ON SITE AS INSTRUCTED BY AIRPORT MANAGER.

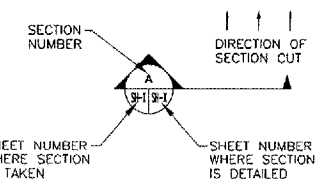
A PORTION OF THE BITUMINOUS MILLINGS SHALL BE PLACED ON GRAVEL ACCESS LANE LEADING TO AWOS LOCATION AS PER AIRPORT MANAGER DIRECTION. EXCESS MILLINGS SHALL BE DISPOSED OF OFF SITE BY CONTRACTOR.

CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY INLET PROTECTION AT THE GRATE INLET IN ACCORDANCE WITH IDOT STANDARD 280001-02 AND SECTION 280 OF I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

TRENCH DRAIN SHALL HAVE CONCRETE ENCASEMENT FULL PERIMETER, 6". SEE DETAIL SHEET 5.

LEGEND

- ⊙ NEW STORM SEWER INLET
- 569.00 NEW SPOT ELEVATION
- NEW SURFACE DRAINAGE
- NEW STONE RIPRAP
- W-# NEW PAVEMENT DETAILS SEE DETAIL SHEET 5



SECTION CUT

CONTRACTOR STAGING AREA

TEMPORARY CONSTRUCTION ENTRANCE WITH TEMPORARY ENTRANCE CULVERT.

EXISTING EDGE OF AIRPORT ROAD

TEMPORARY DITCH CHECK TYP. OF TWO. EACH DITCH CHECK CONSISTS OF FOUR STAKED BALES PAID FOR PER EACH BALE.

END DITCH GRADING MATCH EXISTING EL. 567.1±

HVC#2

NEW BITUMINOUS OVERLAY, 2" MIN.

GRADE 143'-DITCH AT 0.30% SLOPE

6" REFLECTIVE YELLOW TAXIWAY CENTERLINE STRIPE

PROVIDE CONCRETE HEADWALL FOR 8" PIPE DRAIN IDOT STD. 601101 INV. 567.53

PROVIDE 25'-8" S.S. AND 2-45' ELBOWS AT 0.40% SLOPE

GRATE EL. 568.59 DRAIN INV. 567.63

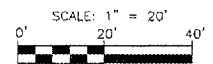
GRATE EL. 568.64 DRAIN INV. 567.68

36"-TRENCH DRAIN, NEENAH R-4996-CA WITH LOCKABLE TYPE A GRATE, OR EQUAL. PROVIDE 8" END OUTLET, W. END.

EXIST. GRASS

EXIST. BUILDING

PLAN



GRADE 287'-DITCH AT 0.30% SLOPE WITH 3:1 SIDE SLOPES (VAR. DITCH DEPTH CUT 1.3'± TO 0.5'±)

TRANSITION FROM EXIST. DITCH TO NEW DITCH

PROVIDE CONCRETE HEADWALL FOR 8" PIPE DRAIN IDOT STD. 601101 INV. 565.72

STONE RIPRAP 25'Lx8'Wx1'D

20'-8" S.S. AT 0.40% SLOPE

INLET T.Y. A WITH T.Y. 1 FRAME & OPEN LD LID EL. 568.40 INV. 565.80

130'-8" S.S. AT 0.40% SLOPE

GRATE EL. 568.51 DRAIN INV. 567.55 S.S. BELOW INV. 566.32

100'-TRENCH DRAIN, NEENAH R-4996-CA WITH LOCKABLE TYPE A GRATE, OR EQUAL. PROVIDE 8" BOTTOM OUTLET, W. END.

GRATE EL. 568.51 DRAIN INV. 567.55

GRATE EL. 568.62 DRAIN INV. 567.66

GRATE EL. 568.76 DRAIN INV. 567.80

GRATE EL. 568.78 DRAIN INV. 567.82

GRATE EL. 568.65 DRAIN INV. 567.69

GRATE EL. 568.76 INV. EL. 567.80

45"-TRENCH DRAIN, NEENAH R-4996-CA WITH LOCKABLE TYPE A GRATE, OR EQUAL. PROVIDE T-END SECTION, S. END.

END 6" REFLECTIVE YELLOW TAXIWAY CENTERLINE STRIPE

END 6" REFLECTIVE YELLOW TAXIWAY CENTERLINE STRIPE

ILLINOIS PROJECT: SLO-3602
AIP PROJECT NO: 3-17-0089-B11

REHABILITATE T-HANGER TAXIWAYS
SALEM LECKRONE AIRPORT
SALEM, ILLINOIS

SITE LAYOUT
AND
GRADING PLAN

SURVEY	JAS	CHECKED	DATE	06/27/08	SHEET	4
DESIGN	MRO	APPROVED	REVISED			
DRAWN	JAW / RIT	JOB NO.	20602903			5

1:\2008\2903\AIP\02\CA-LAYOUT.dwg 08/29/08

NOTE:
TOP LAYER OF SUPERPAVE BITUMINOUS CONCRETE SURFACE COURSE SHALL BE COMPACTED TO A SINGLE CONSISTENT LIFT OF 2" THICKNESS.

PAVEMENT DETAILS

W-A
BITUMINOUS CONCRETE SURFACE COURSE, METHOD 1, SUPERPAVE OVERLAY, MIN. THICKNESS 2". AT LOCATIONS WHERE EXISTING SURFACE DOES NOT ALLOW 2" OVERLAY, MILL AS REQUIRED.

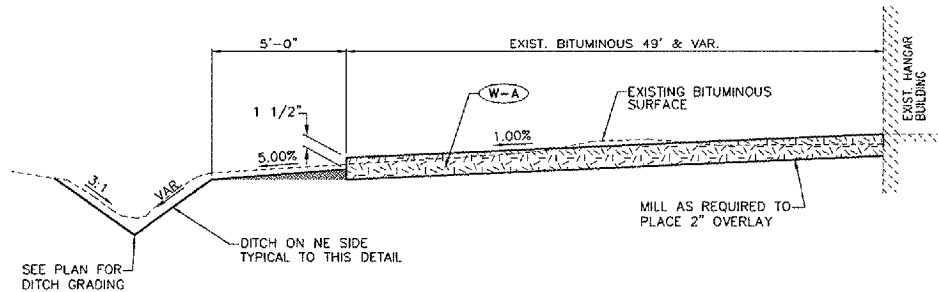
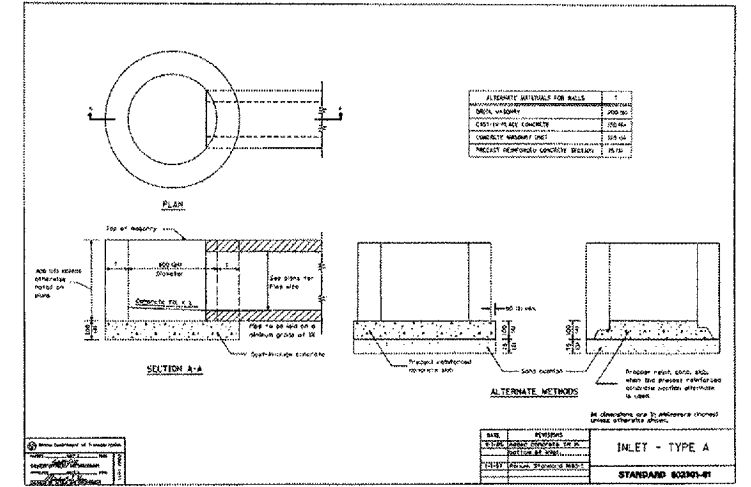
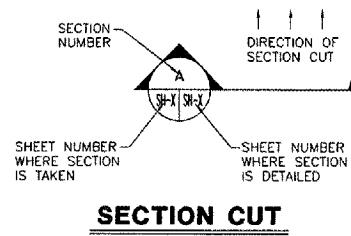
-EXISTING SURFACE TO BE CLEARED OF FOREIGN LOOSE DEBRIS AND HAVE BITUMINOUS MATERIALS (TACK COAT) APPLIED.

BITUMINOUS PAVEMENT SHALL CONFORM TO CRITERIA FOR PARKING APRONS DESIGNED FOR AIRCRAFTS UNDER 60,000 POUNDS.

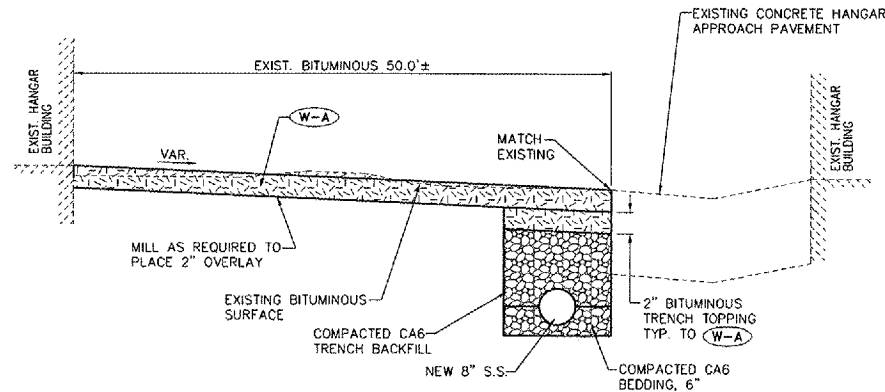
W-B
SUPPORT **W-A** PAVEMENT WITH 6" BITUMINOUS CONCRETE SURFACE COURSE, METHOD 1, SUPERPAVE, TO PROVIDE A FULL DEPTH BITUMINOUS SUPERPAVE PAVEMENT, 8" THICK. EXISTING PAVEMENT TO BE REMOVED AS REQUIRED TO PROVIDE 8" TOTAL THICKNESS.

-EXCAVATED SURFACE TO BE CLEARED OF FOREIGN LOOSE DEBRIS AND HAVE BITUMINOUS MATERIALS (TACK COAT) APPLIED.

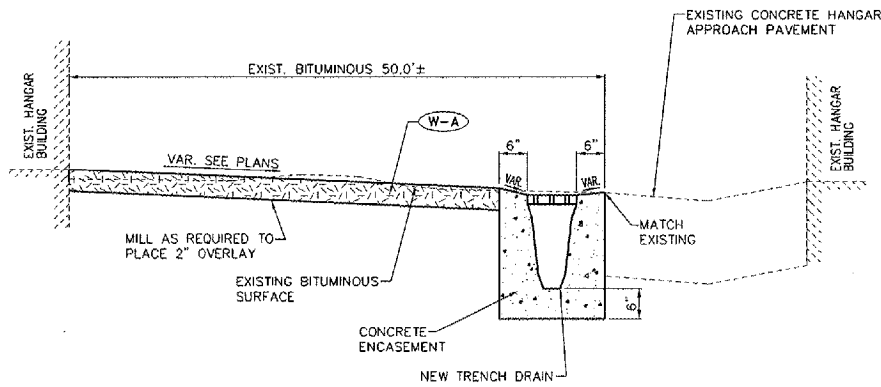
BITUMINOUS PAVEMENT SHALL CONFORM TO CRITERIA FOR PARKING APRONS DESIGNED FOR AIRCRAFTS UNDER 60,000 POUNDS.



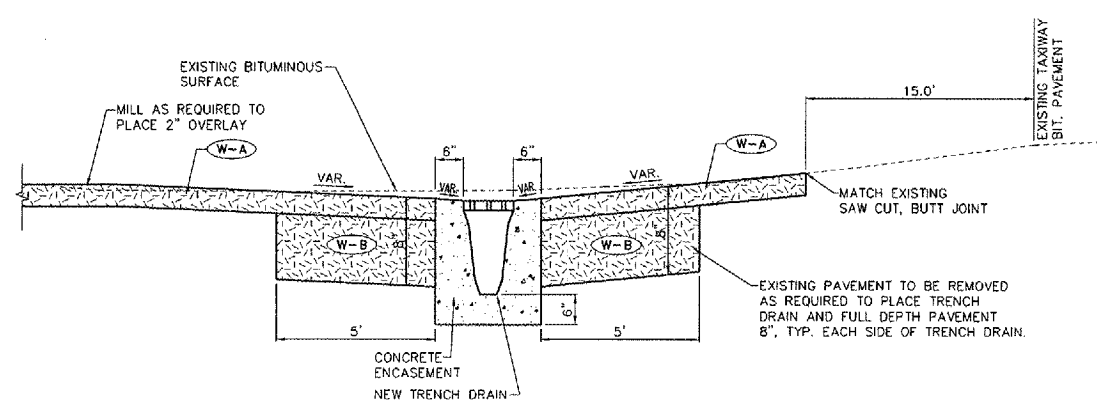
1 SECTION THRU APRON
SCALE: NONE



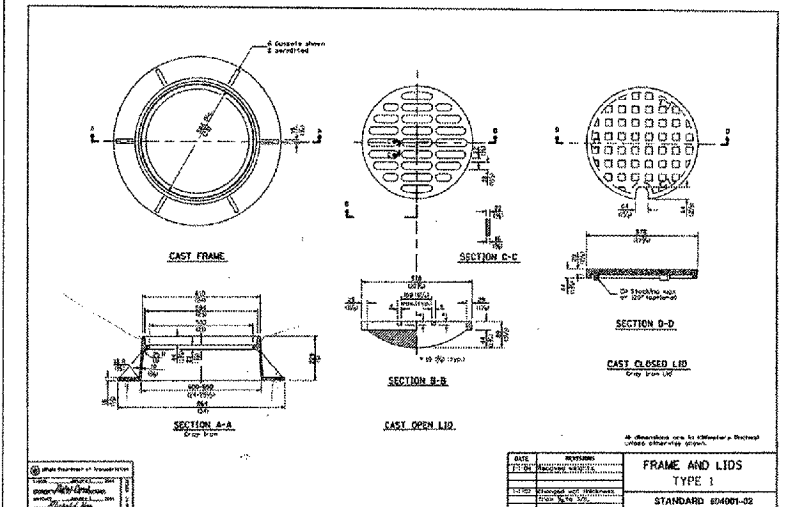
2 SECTION THRU APRON
SCALE: NONE



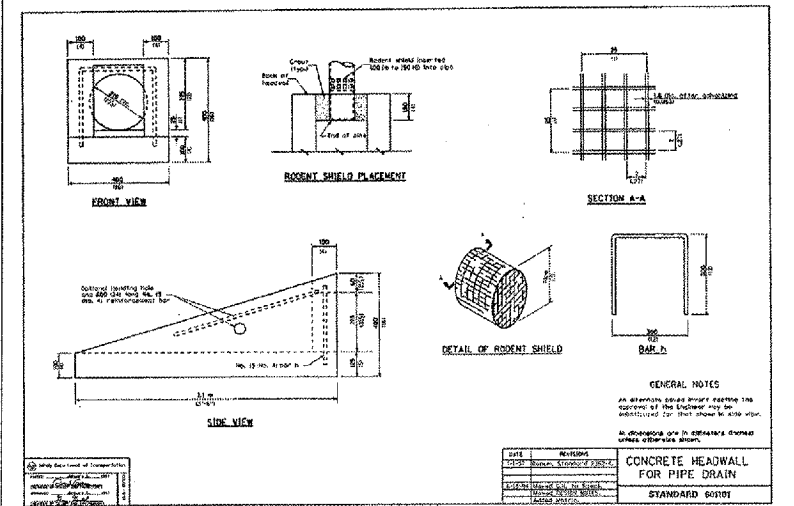
3 SECTION THRU APRON
SCALE: NONE



4 SECTION THRU APRON
SCALE: NONE



FRAME AND LIDS TYPE 1
STANDARD 604001-02



CONCRETE HEADWALL FOR PIPE DRAIN
STANDARD 60101

ILLINOIS PROJECT: SLO-3602
AIP PROJECT NO: 3-17-0089-B11

2524 South Broadway, P.O. Box 850
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REHABILITATE T-HANGER TAXIWAYS
SALEM LECKRONE AIRPORT
SALEM, ILLINOIS

TYPICAL SECTIONS
AND
MISC. DETAILS

DATE	REVISION	BY	CHECKED	DATE	SHEET
06/27/08 <td> <td>JAS <td> <td>06/27/08 <td>5 </td></td></td></td></td>	<td>JAS <td> <td>06/27/08 <td>5 </td></td></td></td>	JAS <td> <td>06/27/08 <td>5 </td></td></td>	<td>06/27/08 <td>5 </td></td>	06/27/08 <td>5 </td>	5
		MRO			
		JMM/BLT			