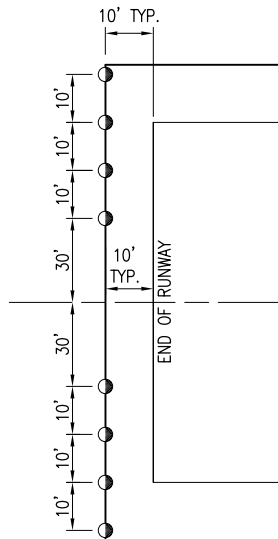


MATCHLINE STA. 10+50

AIRFIELD LIGHTING NOTES

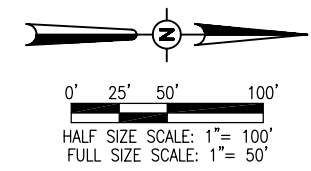
1. ALL PROPOSED RUNWAY AND THRESHOLD LIGHTS SHALL BE PLACED 10' FROM THE PAVEMENT EDGE UNLESS SHOWN OTHERWISE.
2. ALL PROPOSED RUNWAY AND THRESHOLD LIGHTS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THIS SHEET AND SHEETS NOS. 11, 12, 13 & 14 AND IN ACCORDANCE WITH THE ELECTRICAL DETAILS SHEETS (22 & 23) AND THE SPECIFICATIONS.
3. PROPOSED RUNWAY LIGHTING CABLES SHALL BE PLACED APPROXIMATELY 10' FROM THE PAVEMENT EDGE UNLESS SHOWN OTHERWISE. CABLES SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINISH GRADE.
4. THE PROPOSED RUNWAY LIGHTING CABLE SHALL BE 1/C, #8, 5 KV. FAA L-824 TYPE C UNDERGROUND CABLE IN 2" HDPE UNIT DUCT.
5. IN AREAS WHERE THERE IS A CONGESTION OF CABLES OR WHERE THE PROPOSED CABLE/DUCT CROSSES AN EXISTING CABLE, THE PROPOSED CABLE/DUCT SHALL BE TRENCHED INTO PLACE. ALL OTHER LOCATIONS THE PROPOSED CABLE/DUCT MAY BE EITHER TRENCHED OR PLOWED INTO PLACE. TRENCHING AND/OR PLOWING WILL BE CONSIDERED INCIDENTAL TO THE PROPOSED CABLES AND/OR DUCT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. THE PROPOSED LIGHTS SHALL BE FITTED WITH LENSES ACCORDING TO THE SCHEDULE ON SHEET 12.
7. ALL PROPOSED RUNWAY LIGHTS WILL BE TAGGED IN ACCORDANCE WITH THE LIGHT'S NUMBER SHOWN ON THE PLANS.
8. SEE "REIL INSTALLATION DETAILS" SHEET 19 AND SPECIAL PROVISIONS SPECS FOR REQUIREMENTS ON RELOCATION OF REILS.
9. SEE "L-806 WIND CONE ELEVATIONS DETAIL" SHEET 20 AND SPECIAL PROVISION SPECS FOR REQUIREMENTS ON REPLACEMENT OF L-806 SUPPLEMENTAL LIGHTED WIND CONES.
10. SEE "ELECTRICAL DETAIL SHEET 4" (SHEET 25) AND SPECIAL PROVISION SPECS FOR REQUIREMENTS ON ITEM AR125944 ADJUST TAXI GUIDANCE SIGN AND ITEM AR125945 ADJUST RUNWAY DISTANCE REMAIN SIGN.
11. SEE "ELECTRICAL DETAIL SHEET 1" (SHEET 22) AND SPECIAL PROVISION SPECS FOR REQUIREMENTS ON ITEM AR125964 RELOCATE TAXI GUIDANCE SIGN.



PROPOSED THRESHOLD LIGHT DETAIL
NOT TO SCALE

LEGEND

- EXISTING PAVEMENT
- EXISTING ELECTRICAL CABLES
- EXISTING TAXIWAY LIGHT
- EXISTING TAXI GUIDANCE SIGN/DISTANCE REMAINING SIGN
- PROPOSED BASE MOUNTED RUNWAY LIGHT
- PROPOSED BASE MOUNTED THRESHOLD LIGHT
- PROPOSED L-806 WIND CONE
- PROPOSED ELECTRICAL DUCT
- PROPOSED 2-1/C #8 5KV, L-824 TYPE C UG CABLE IN 2" HDPE DUCT
- PROPOSED 1/C #8 5KV, L-824 TYPE C UG CABLE IN 2" HDPE DUCT



FEB 22, 2010 2:50 PM VOORH00805 I:\AIRPORTS\SW-CARBONDALE\09A0060\CADD\AIRPORT\SHEET\R-142ELE.DWG - Layout1

DATE	REVISION	BY
02/22/10	ADDENDUM 1	JSL

SOUTHERN ILLINOIS AIRPORT
MURPHYSBORO / CARBONDALE, ILLINOIS

IL PROJ.: MDH-3920 A.I.P. PROJ.: 3-17-0009-B30

Hanson Project No.	09A0060D_0800
Filename	R-142ELE.DWG
Scale	1" = 50'
Date	01/08/10
LAYOUT	KNL 01/04/2010
DRAWN	BAK 01/06/2010
REVIEWED	CAH/JSL 01/08/2010

HANSON
Hanson Professional Services Inc.
1425 South Main Street
Springfield, IL 62702-2886
Offices Nationwide

REPLACE HIRL & VARIOUS ELECTRICAL UPGRADES

PROPOSED LIGHTING PLAN
STA. 0+00 TO STA. 10+50

SO079

BY	JSL
REVISION	
DATE	02/22/10
ADDENDUM	1

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR107812	L-807 WC-12' INTERNALLY LIT	EACH	1	
AR107900	REMOVE WIND CONE	EACH	1	
AR107901	REMOVE WIND TEE	L.S.	1	
AR107920	REPLACE WIND CONE	EACH	2	
AR108108	1/C #8 5KV UG CABLE	L.F.	16,711	
AR108558	2/C #8 600V UG CABLE IN UD	L.F.	1,011	
AR108800	CONTROL CABLE	L.F.	1,200	
AR109200	INSTALL ELECTRICAL EQUIPT	L.S.	1	
AR109600	L-821 CONTROL PANEL	EACH	1	
AR109620	LIGHTING CONTROL SYSTEM	L.S.	1	
AR110012	2" DIRECTIONAL BORE	L.F.	820	
AR110014	4" DIRECTIONAL BORE	L.F.	780	
AR110202	2" PVC DUCT DIRECT BURY	L.F.	14,111	
AR110552	EXTEND 2-WAY DUCT	L.F.	17	
AR110610	ELECTRICAL HANDHOLE	EACH	6	
AR125515	HIRL, BASE MOUNTED	EACH	66	
AR125550	HI THRESHOLD LIGHT BASE MTD	EACH	16	
AR125565	SPLICE CAN	EACH	1	
AR125901	REMOVE STAKE MOUNTED LIGHT	EACH	50	
AR125902	REMOVE BASE MOUNTED LIGHT	EACH	31	
AR125944	ADJUST TAXI GUIDANCE SIGN	EACH	3	
AR125945	ADJUST RWY DISTANCE REMAIN SIGN	EACH	5	
AR125964	RELOCATE TAXI GUIDANCE SIGN	EACH	6	
AR125967	RELOCATE REILS	PAIR	1	
AR150530	TRAFFIC MAINTENANCE	L.S.	1	


SUMMARY OF QUANTITIES - ADDITIVE ALTERNATE NO. 1

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AS101580	REFURBISH 36" BEACON	EACH	1	
AS108088	1/C #8 XLP-USE	L.F.	1,200	
AS125470	MODIFY EXISTING SIGN PANEL	EACH	62	
AS800591	UPGRADE AIRPORT ROTATING BEACON	L.S.	1	

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	PROPOSED CONSTRUCTION SEQUENCING PLAN
5	EXISTING LIGHTING PLAN STA. 0+00 TO STA. 10+50
6	EXISTING LIGHTING PLAN STA. 10+50 TO STA. 24+50
7	EXISTING LIGHTING PLAN STA. 24+50 TO STA. 38+50
8	EXISTING LIGHTING PLAN STA. 38+50 TO STA. 52+50
9	EXISTING LIGHTING PLAN STA. 52+50 TO STA. 65+06.32
10	PROPOSED LIGHTING PLAN STA. 0+00 TO STA. 10+50
11	PROPOSED LIGHTING PLAN STA. 10+50 TO STA. 24+50
12	PROPOSED LIGHTING PLAN STA. 24+50 TO STA. 38+50
13	PROPOSED LIGHTING PLAN STA. 38+50 TO STA. 52+50
14	PROPOSED LIGHTING PLAN STA. 52+50 TO STA. 65+06.32
15	GUIDANCE SIGN DATA
16	EXISTING SEGMENTED CIRCLE AND WIND TEE SITE PLAN
17	PROPOSED L-807 WIND CONE SITE PLAN
18	L-807 WIND CONE DETAIL
19	REIL INSTALLATION DETAIL
20	L-806 WIND CONE ELEVATION DETAIL
21	LIGHTNING PROTECTION DETAILS FOR BEACON
22	PROPOSED ELECTRICAL DETAILS SHEET 1
23	PROPOSED ELECTRICAL DETAILS SHEET 2
24	PROPOSED ELECTRICAL DETAILS SHEET 3
25	PROPOSED ELECTRICAL DETAILS SHEET 4
26	PROPOSED ELECTRICAL NOTES SHEET 1
27	PROPOSED ELECTRICAL NOTES SHEET 2
28	ELECTRICAL LEGEND AND ABBREVIATIONS
29	ELECTRICAL SITE PLAN
30	EXISTING ELECTRICAL PLAN FOR VAULT
31	PROPOSED ELECTRICAL PLAN FOR VAULT
32	PROPOSED GROUNDING PLAN FOR VAULT
33	EXISTING ELECTRICAL ONE LINE DIAGRAM FOR VAULT
34	PROPOSED ELECTRICAL ONE LINE DIAGRAM FOR VAULT
35	PROPOSED ELECTRICAL ONE LINE DIAGRAM FOR VAULT SHEET 2
36	CONTROL BLOCK DIAGRAM FOR AIRFIELD LIGHTING
37	L-821 CONTROL PANEL FOR ATCT
38	LIGHTING CONTACTOR PANEL DETAIL
39	LIGHTING CONTACTOR SCHEMATIC
40	HIGH VOLTAGE WIRING SCHEMATICS
41	SERIES PLUG CUTOUT INSTALLATION DETAIL
42	HIGH VOLTAGE WIRING SCHEMATIC FOR RUNWAY 18L-36R
43	LEGEND PLATE SCHEDULE
44	CCR GROUND BUS RISER
45	GROUNDING DETAILS
46	GROUNDING NOTES

SOUTHERN ILLINOIS AIRPORT
MURPHYSBORO / CARBONDALE, ILLINOIS



IL PROJ.: MDH-3920 A.I.P. PROJ.: 3-17-0009-B30

Hanson Project No.	09A0060D_0800
Filename	R-002ELP.DWG
Scale	NOT TO SCALE
Date	01/08/10
LAYOUT	KNL
DRAWN	BAK
REVIEWED	CAH
	11/12/09
	11/12/09
	xx/xx/xx

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REPLACE HIRL &
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SUMMARY OF QUANTITIES
AND
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2