

# TRANSPORTATION BULLETIN



**Illinois Department of Transportation**

## **ADDENDUM NO. 1**

Dated: September 2, 2011

For: Transportation Bulletin  
Volume 14, No. 33 Dated: August 19, 2011  
Letting Date: September 23, 2011

### Item No. 1A - Replace Nav aids and Airfield Lighting

Fairfield Municipal Airport  
Fairfield, Illinois  
Wayne County  
Illinois Project No.: FWC-4105  
Federal Project No. 3-17-0043-B12  
Contract No. FA005

### REASON FOR ADDENDUM:

Schedule of Prices Revised:

AR108158 1/C #8 5KV UG CABLE IN UD changes in quantity from 1460 L.F. to  
1630 L.F.

Construction Plan Revisions

### TO ALL PLAN HOLDERS:

Replace Schedule of Prices dated 08/11/11 with revised Schedule of Prices dated  
8/30/11. Return with bid. Bidders are cautioned to verify the correct quantity if utilizing  
CBIDS.

## **CONSTRUCTION PLANS**

### Revised Plan Sheet 2 of 32.

The Quantity of Item AR108158 1/C #8 5KV UG CABLE IN UD changed from 1460 L.F. to 1630 L.F. Replace Plan Sheet 2 with the Revised Plan Sheet 2 dated 8/23/2011.

### Revised Plan Sheet 9 of 32.

The Location of the Proposed L-806 Supplemental Wind Cone has changed from Station 126+24, 265' Right to Station 121+24, 280' Right. A note was added in regard to earth material to build up the area around the REIL slave unit. Replace Plan Sheet 9 with the Revised Plan Sheet 9 dated 8/23/2011.

### Revised Plan Sheet 12 of 32.

The Location of the Proposed L-807 Primary Wind Cone has changed from Station 11+00, 215' Right to Station 11+00, 285' Right. Replace Plan Sheet 12 with the Revised Plan Sheet 12 dated 8/23/2011.

**END OF ADDENDUM No. 1**

## SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITIES	AS BUILT QUANTITIES
AR106930	REPLACE LIGHT FIXTURE	EACH	2	
AR107408	L-806 WIND CONE-8' LIGHTED	EACH	1	
AR107712	L-807 WIND CONE-12' LIGHTED	EACH	1	
AR107900	REMOVE WIND CONE	EACH	1	
AR108084	1/C #4 XLP-USE	L.F.	1,530	
AR108086	1/C #6 XLP-USE	L.F.	2,100	
AR108158	1/C #8 5 KV UG CABLE IN UD	L.F.	(1,630)	
AR108654	3/C #4 600V UG CABLE IN UD	L.F.	5,050	
AR108656	3/C #6 600V UG CABLE IN UD	L.F.	2,100	
AR109200	INSTALL ELECTRICAL EQUIPMENT	L.S.	1	
AR110014	4" DIRECTIONAL BORE	L.F.	1,000	
AR110610	ELECTRICAL HANDHOLE	EACH	4	
AR125540	MI THRESHOLD LIGHT STAKE MTD	EACH	8	
AR125565	SPLICE CAN	EACH	4	
AR125610	REILS	PAIR	1	
AR125901	REMOVE STAKE MOUNTED LIGHT	EACH	8	
AR125907	REMOVE REILS	PAIR	1	
AR125989	REFURBISH PLASI	EACH	2	
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1	
AR150520	MOBILIZATION	L.S.	1	

## INDEX TO SHEETS

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1	COVER SHEET
2	SUMMARY OF QUANTITIES AND INDEX TO SHEETS
3	PROPOSED SAFETY PLAN
4	EXISTING ELECTRICAL PLAN FOR RWY. 9-27 STA. 115+00 TO 129+00
5	EXISTING ELECTRICAL PLAN FOR RWY. 9-27 STA. 129+00 TO 142+50
6	EXISTING ELECTRICAL PLAN FOR RWY. 9-27 STA. 142+50 TO 156+75
7	EXISTING ELECTRICAL PLAN FOR RWY. 18-36 STA. 0+50 TO 14+50
8	EXISTING ELECTRICAL PLAN FOR RWY. 18-36 STA. 14+50 TO 21+50
9	PROPOSED ELECTRICAL PLAN FOR RWY. 9-27 STA. 115+00 TO 129+00
10	PROPOSED ELECTRICAL PLAN FOR RWY. 9-17 STA. 129+00 TO 142+50
11	PROPOSED ELECTRICAL PLAN FOR RWY. 9-27 STA. 142+50 TO 156+75
12	PROPOSED ELECTRICAL PLAN FOR RWY. 18-36 STA. 0+50 TO 14+50
13	PROPOSED ELECTRICAL PLAN FOR RWY. 18-36 STA. 14+50 TO 21+50
14	ELECTRICAL DETAILS SHEET 1
15	ELECTRICAL DETAILS SHEET 2
16	L-806 WIND CONE ELEVATION DETAIL
17	L-807 WIND CONE ELEVATION DETAIL
18	REIL DETAILS
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20	ELECTRICAL NOTES SHEET 1
21	ELECTRICAL NOTES SHEET 2
22	ELECTRICAL LEGEND AND ABBREVIATIONS
23	VAULT FLOOR PLAN
24	EXISTING ELECTRICAL ONE LINE DIAGRAM FOR VAULT AND AIRFIELD
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26	PROPOSED ELECTRICAL ONE LINE FOR VAULT AND AIRFIELD - SHEET 2
27	PROPOSED AIRFIELD LIGHTING CONTROL WIRING SCHEMATIC
28	LIGHTING CONTACTOR PANEL DETAIL
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30	TRANSFORMER WIRING DIAGRAMS & LEGEND PLATE SCHEDULE
31	GROUNDING DETAILS
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DATE	REVISION
8/9/11	ART08158 QTY. UPDATE
8/23/11	ADDENDUM NO. 1

**FAIRFIELD MUNICIPAL AIRPORT  
FAIRFIELD, ILLINOIS**

IL. PROJ.: FWC-4105      A.I.P. PROJ.: 3-17-0043-B12

Hanson Project No. 11A0016D 0001

Filename R-002FLP.DWG

Scale NOT TO SCALE

Date 07/01/2011

INVOIT	DATE	05 / 74 / 44
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LAYOUT	RNL	05/31/11
DRAWING	PAK	05/31/11

DRAWN	BAK	03/31/11
REVIEWED	CAH	06/29/11



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1525 South Sixth Street  
Springfield Illinois 62703-2886

h: (217) 788-2450 Fax: (217) 788-2503

[www.hanson-inc.com](http://www.hanson-inc.com)  
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## REPLACE NAVAIDS & AIRFIELD LIGHTING

















## SUMMARY OF QUANTITIES AND INDEX TO SHEETS

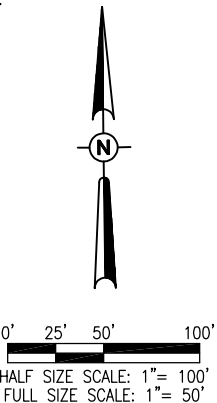
2

2 of 32 sheets

## ADDENDUM NO. 1



- |                                                                                       |                                                              |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------|
|  | EXISTING PAVEMENT                                            |
|  | EXISTING ELECTRICAL DUCT                                     |
|  | PROPOSED DIRECTIONAL BORE DUCT                               |
|  | EXISTING ELECTRICAL CABLE                                    |
|  | PROPOSED 1/C #8 AWG, FAA L-824 5000V TYPE C UG CABLE IN U.D. |
|  | PROPOSED 3-1/C #4 XLP-USE, 600V UG CABLE IN U.D.             |
|  | PROPOSED REIL CONTROL CABLES IN 2" GRSC                      |
|  | EXISTING SPLICE CAN                                          |
|  | EXISTING HANDHOLE                                            |
|  | EXISTING STAKE MOUNTED RUNWAY LIGHT                          |
|  | EXISTING BASE MOUNTED RUNWAY LIGHT                           |
|  | EXISTING L-861SE STAKED MOUNTED THRESHOLD LIGHT              |
|  | EXISTING TAXI GUIDANCE SIGN                                  |
|  | PROPOSED REIL'S                                              |
|  | PROPOSED SUPPLEMENTAL LIGHTED WIND CONE                      |
|  | PROPOSED SPLICE CAN                                          |
- 
- 



1. ALL WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR/MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
2. CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS. CONTRACTOR SHALL FIELD VERIFY RESPECTIVE CIRCUITS AND POWER SOURCES PRIOR TO REMOVING OR DISCONNECTING THE RESPECTIVE AIRFIELD LIGHTING, NAVAID, OR OTHER DEVICE.
3. PROPOSED THRESHOLD LIGHTS SHALL BE PLACED 10' (FT.) FROM THE PAVEMENT EDGE UNLESS SHOWN OTHERWISE ON THESE CONSTRUCTION DRAWINGS.
4. PROPOSED THRESHOLD LIGHTS, OTHER AIRFIELD LIGHTING, SPLICE CANS, HANDHOLES, ELECTRICAL DUCTS, AND CABLE SHALL BE INSTALLED AT THE LOCATIONS SHOWN AND IN COMPLIANCE WITH THE SPECIFICATIONS, SPECIAL PROVISIONS, RESPECTIVE DETAILS, AND MANUFACTURER'S RECOMMENDATIONS.
5. PROPOSED CABLE FOR RUNWAY LIGHTING SHALL BE INSTALLED APPROXIMATELY 12' FROM THE PAVEMENT EDGE UNLESS SHOWN OTHERWISE. CABLES SHALL BE PLACED A MINIMUM OF 18" BELOW FINISHED GRADE.
6. THE PROPOSED RUNWAY LIGHTING CABLE SHALL BE 1/C, #8 AWG, FAA L-824, 5000 VOLT, TYPE C UNDERGROUND CABLE IN UNIT DUCT.
7. IN AREAS WHERE THERE IS A CONGESTION OF CABLES OR WHERE THE PROPOSED CABLE CROSSES AN EXISTING CABLE, THE CONTRACTOR IS REQUIRED TO HAND DIG THE TRENCH NECESSARY FOR THE PROPOSED CABLE. AT OTHER LOCATIONS, THE PROPOSED CABLE MAY BE TRENCHED OR PLOWED INTO PLACE. HAND DIGGING, TRENCHING AND/OR PLOWING WILL BE CONSIDERED INCIDENTAL TO THE PROPOSED CABLES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. PROPOSED RUNWAY THRESHOLD LIGHTS SHALL BE FITTED WITH RED/GREEN LENSES. RED SIDE SHALL FACE TOWARDS THRESHOLD.

9. ALL PROPOSED THRESHOLD LIGHTS SHALL BE TAGGED BY THE CONTRACTOR IN ACCORDANCE WITH THE LIGHT NUMBERS SHOWN ON THESE CONSTRUCTION DRAWINGS.
10. THE CONTRACTOR SHALL SECURE, IDENTIFY AND PLACE ALL TEMPORARY EXPOSED WIRING IN CONDUIT, DUCT OR UNIT DUCT TO PREVENT ELECTROCUTION AND FIRE IGNITION SOURCES AS PER THE REQUIREMENTS OF FAA AC 150/5370-2E, PART 3-6, C. ALL LABOR, MATERIALS, AND TIME NECESSARY TO COMPLY WITH THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. EXISTING AIRFIELD LIGHTING CABLES IN AREAS OF NEW WORK SHALL BE DISCONNECTED & REMOVED WHERE IN CONFLICT WITH NEW CONSTRUCTION. IN OTHER AREAS CABLES MAY BE ABANDONED IN PLACE.
12. SEE "REIL INSTALLATION DETAILS" SHEET AND SPECIAL PROVISIONS SPECS FOR REQUIREMENTS ON INSTALLATION OF REILS.
13. SEE "L-806 WIND CONE ELEVATIONS DETAIL" SHEET AND SPECIAL PROVISION SPECS FOR REQUIREMENTS ON INSTALLATION OF L-806 SUPPLEMENTAL LIGHTED WIND CONES.
14. NO CONNECTION TO AN ACTIVE LIGHTING CIRCUIT WILL BE BROKEN UNTIL THE CIRCUIT HAS BEEN TURNED OFF IN ACCORDANCE WITH NOTE 1.

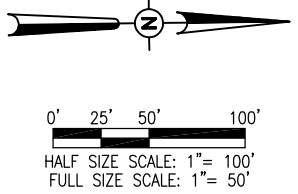
THE REILS ON RUNWAY 27 SHALL BE LOCATED 40 FEET DOWNWIND OF THE RUNWAY THRESHOLD & 75 FEET FROM THE RUNWAY EDGE TO COMPLY WITH FAA AC 150/5340-30E, FAA ORDER JO6850.2B, AND ACCOMMODATE THE ADJACENT TAXIWAY TURNAROUND AND THE RUNWAY 27 PLASI (PVASI) UNIT.

FOR RUNWAY 9-27 THE RSA (RUNWAY SAFETY AREA) IS 150' WIDE X 300' (OR 75' FROM RUNWAY 9-27 CENTERLINE). FOR RUNWAY 9-27 THE OFA (OBJECT FREE AREA) IS 500' WIDE X 300' (OR 250' FROM RUNWAY 9-27 CENTERLINE). THE PROPOSED SUPPLEMENTAL LIGHTED WIND CONE IS LOCATED OUTSIDE OF THE RSA AND OFA TO COMPLY WITH THE REQUIREMENTS OF FAA AC 150/5340-30E. THE PROPOSED SUPPLEMENTAL LIGHTED WIND CONE IS LOCATED ON THE RIGHT SIDE OF RUNWAY 9-27 TO ACCOMMODATE FUTURE TAXIWAY "C" EXTENSION AS SHOWN ON THE FUTURE AIRPORT LAYOUT PLAN.

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.

## ADDENDUM NO. 1



STATE JOB #- - - -

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SCHEDULE OF PRICES  
CONTRACT NUMBER - FA005

ECMS002 DTGECM03 ECMR003 PAGE 1  
RUN DATE - 08/30/11  
RUN TIME - 190058

COUNTY NAME	CODE	DIST	AIRPORT NAME	FED PROJECT	ILL PROJECT
WAYNE	191	07	FAIRFIELD MUNICIPAL	3-17-0043-B12	FW-C -4105

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AR106930	REPLACE LIGHT FIXTURE	EACH	2.000 X		=		
AR107408	L-806 WIND CONE-8' LIGHTED	EACH	1.000 X		=		
AR107712	L-807 WIND CONE-12' LIGHTED	EACH	1.000 X		=		
AR107900	REMOVE WIND CONE	EACH	1.000 X		=		
AR108084	1/C #4 XLP-USE	L.F.	1,530.000 X		=		
AR108086	1/C #6 XLP-USE	L.F.	2,100.000 X		=		
AR108158	1/C #8 5 KV UG CABLE IN UD	L.F.	1,630.000 X		=		
AR108654	3/C #4 600 V UG CABLE IN UD	L.F.	5,050.000 X		=		
AR108656	3/C #6 600 V UG CABLE IN UD	L.F.	2,100.000 X		=		
AR109200	INSTALL ELECTRICAL EQUIPMENT	L.S.	1.000 X		=		
AR110014	4" DIRECTIONAL BORE	L.F.	1,000.000 X		=		
AR110610	ELECTRICAL HANDHOLE	EACH	4.000 X		=		
AR125540	MI THRESHOLD LIGHT STAKE MTD	EACH	8.000 X		=		
AR125565	SPLICE CAN	EACH	4.000 X		=		
AR125610	REILS	PAIR	1.000 X		=		

FAIRFIELD MUNICIPAL  
WAYNE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SCHEDULE OF PRICES  
CONTRACT NUMBER - FA005

ECMS002 DTGECM03 ECMR003 PAGE 2  
RUN DATE - 08/30/11  
RUN TIME - 190058

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
AR125901	REMOVE STAKE MOUNTED LIGHT	EACH	8.000	X	=		
AR125907	REMOVE REILS	PAIR	1.000	X	=		
AR125989	REFURBISH PLASI	EACH	2.000	X	=		
AR150510	ENGINEER'S FIELD OFFICE	L.S.	1.000	X	=		
AR150520	MOBILIZATION	L.S.	1.000	X	=		
TOTAL						\$	

NOTE:

1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.
2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.
3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.
4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.