



Illinois Department of Transportation

Office of Intermodal Project Implementation / Division of Aeronautics
1 Langhorne Bond Drive / Springfield, Illinois 62707-8415

March 1, 2024

SUBJECT: St. Louis Downtown Airport
Cahokia Heights, Illinois
St. Clair County
Illinois Project Number: CPS-4839
SBG Project Number: 3-17-SBGP-TBD
Contract No. SD063
Item No. 07A, 3/08/2024 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

Reason for Addendum:

Revisions to Plans/Special Provisions to include replacement of transformers with each relocated taxiway light fixture.

Revisions to Plans/Special Provisions to include replacement of L-867 base cans with each relocated base mounted taxiway light fixture.

Addition of Special Provisions Appendix B, Cable and Constant Current Regulator Testing Forms

To All Plan Holders:

Plan Changes:

Clarification: On Plan Sheet 11, Airfield Lighting Details and Notes Sheet 1:

The pay items AR125961 Relocate Stake Mounted Light and AR125962 Relocate Base Mounted Light, shall include replacement of the existing transformer with a new FAA L-830-1 30/45W series isolation transformer. The cost of the transformer shall be included within the respective pay item for light relocation.

The pay item AR125962 Relocate Base Mounted Light, shall include replacement of the existing base can with a new FAA L-867 Size B light base can to accommodate the safety ground requirement. The cost of the new base can shall be included within the respective pay item for light relocation.

Special Provisions Changes:

Addition to Special Provision Item 125 Installation of Airport Lighting Systems:

The pay items AR125961 Relocate Stake Mounted Light and AR125962 Relocate Base Mounted Light, shall include replacement of the existing transformer with a new FAA L-830-1 30/45W series isolation transformer. The cost of the transformer shall be included within the respective pay item for light relocation.

The pay item AR125962 Relocate Base Mounted Light, shall include replacement of the existing base can with a new FAA L-867 Size B light base can to accommodate the safety ground requirement. The cost of the new base can shall be included within the respective pay item for light relocation.

Addition to Special Provisions:

The attached Appendix B, Cable and Constant Current Regulator Testing Forms, is added to the contract documents.

Schedule of Prices Changes:

None.

Prime contractors must utilize the enclosed material when preparing their bid and must include any changes to the Schedule of Prices in their bid.

Questions on this addendum may be directed to Barry Stolz, P.E. of Hanson Professional Services at 314.942.5288.

APPENDIX B

CPS-St. Louis Downtown Airport
Cahokia, Illinois
Taxiway B Relocation, Phase 2:
Drainage Improvements

Cable and Constant Current Regulator
Testing Forms

Engineering Firm Hanson Professional Services Inc.
Airport Name CPS-St. Louis Downtown Airport
Project Taxiway B Relocation, Phase 2:
Drainage Improvements
IL Project No. CPS-4839
Hanson Project 20A000102C
Date _____

TESTING FORMS

___ For each respective series circuit in the areas of work, conduct cable insulation resistance test (Megger test) at the vault and record test results. Time duration of test should not be less than 90 seconds.

Cable Under Test	Cable Insulation Resistance	Test Voltage	Time Duration
Taxiway A Lighting series circuit cable			
Taxiway B, Lighting Circuit 1 series circuit cable			
Taxiway B, Lighting Circuit 2 series circuit cable			

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TESTING FORMS

___ Each respective lighting series circuit cable loop shall have the resistance tested and recorded at the vault. Use an Ohmmeter and measure the resistance of the series circuit loop at the Vault.

Cable Under Test	Series Circuit Loop Resistance in Ohms
Taxiway A Lighting series circuit cable	
Taxiway B, Lighting Circuit 1 series circuit cable	
Taxiway B, Lighting Circuit 2 series circuit cable	

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TESTING FORMS

Note: Provide a True RMS Ammeter for current measurements. Note Output voltage measurements are not required for constant current regulators that do not include an output voltage meter.

__ Test Taxiway A Lighting CCR by Manual Control and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

__ Test Taxiway A Lighting CCR in remote mode by airfield lighting control system and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

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TESTING FORMS

Note: Provide a True RMS Ammeter for current measurements. Note Output voltage measurements are not required for constant current regulators that do not include an output voltage meter.

__ Test Taxiway B, Lighting Circuit 1 CCR by Manual Control and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

__ Test Taxiway B, Lighting Circuit 1 CCR in remote mode by airfield lighting control system and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

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TESTING FORMS

Note: Provide a True RMS Ammeter for current measurements. Note Output voltage measurements are not required for constant current regulators that do not include an output voltage meter.

__ Test Taxiway B, Lighting Circuit 2 CCR by Manual Control and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

__ Test Taxiway B, Lighting Circuit 2 CCR in remote mode by airfield lighting control system and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

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___ After airfield lighting modifications, additions, and/or upgrades have been completed, conduct cable insulation resistance test (Megger test) at the vault and record test results for each respective series circuit in the areas of work. Time duration of test should not be less than 90 seconds.

Cable Under Test	Cable Insulation Resistance	Test Voltage	Time Duration
Taxiway A Lighting series circuit cable			
Taxiway B, Lighting Circuit 1 series circuit cable			
Taxiway B, Lighting Circuit 2 series circuit cable			

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___ After airfield lighting modifications, additions, and/or upgrades have been completed, each respective lighting series circuit cable loop shall have the resistance tested and recorded at the vault. Use an Ohmmeter and measure the resistance of the series circuit loop at the Vault.

Cable Under Test	Series Circuit Loop Resistance in Ohms
Taxiway A Lighting series circuit cable	
Taxiway B, Lighting Circuit 1 series circuit cable	
Taxiway B, Lighting Circuit 2 series circuit cable	

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Note: Provide a True RMS Ammeter for current measurements. Note Output voltage measurements are not required for constant current regulators that do not include an output voltage meter.

___ After airfield lighting modifications, additions, and/or upgrades have been completed, Test Taxiway A Lighting CCR by Manual Control and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

___ Test Taxiway A Lighting CCR in remote mode by airfield lighting control system and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

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Note: Provide a True RMS Ammeter for current measurements. Note Output voltage measurements are not required for constant current regulators that do not include an output voltage meter.

__ After airfield lighting modifications, additions, and/or upgrades have been completed, Test Taxiway B Lighting Circuit 1 by Manual Control and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

__ Test Backup CCR for Taxiway B Lighting Circuit 1 in remote mode by airfield lighting control system and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

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Note: Provide a True RMS Ammeter for current measurements. Note Output voltage measurements are not required for constant current regulators that do not include an output voltage meter.

__ After airfield lighting modifications, additions, and/or upgrades have been completed, Test Taxiway B Lighting Circuit 2 CCR by Manual Control and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

__ Test Taxiway B Lighting Circuit 2 CCR in remote mode by airfield lighting control system and record input current and output current at each step.

STEP	INPUT CURRENT	OUTPUT CURRENT	OUTPUT VOLTS
B10	Phase A:		
	Phase B:		
B30	Phase A:		
	Phase B:		
B100	Phase A:		
	Phase B:		

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TESTING FORMS

Record additional notes as applicable.

