

Addendum No. 2

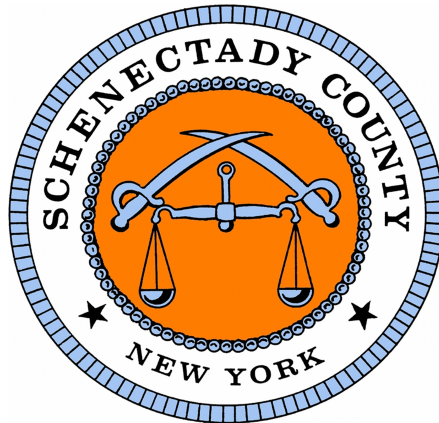
For

Taxiway A (North) and Taxiway D Rehabilitation

Schenectady County Airport

Contract No. RFB-2023-41
FAA AIP No. 03-36-0106-062-2021
CHA Project No. 056418.000

May 3rd, 2023



TO ALL BIDDERS:

The following information constitutes **Addendum No. 2** of the Contract Documents. Each bidder shall acknowledge receipt of this Addendum.

All revisions to the Drawings and Specifications called for in this Addendum shall be reflected in the Construction Drawings and Specifications issued to the successful bidder at the Pre-Construction Meeting.

The following addendum items modify, change, delete from or add to the requirements of the contract documents for this project. The articles contained in the addendum take precedence over the requirements of the previously published contract documents. Where any article of the contract specifications or any detail of the contract drawings is modified or any paragraph, subparagraph or clause thereof is modified or deleted by the articles contained in this addendum, the unaltered provisions of that articles, paragraph, subparagraph or clause shall remain in effect.

ITEM No. 1 – CLARIFICATIONS

None

ITEM No. 2 – CONTRACTOR'S QUESTIONS

1. Due to the fact that there is only one source to get L-861T incandescent fixtures, will you accept LED?

Due to the maintenance desires of the airport, LED fixtures are not desirable and are unacceptable. Per FAA AC 150/5345-53D Addendum April 2023, there are 5 manufacturers that have current approvals for non-LED fixtures. These include ADB Safegate, Flight Light, Hughey Phillips, Yonyang Airport Lighting Equipment, and Airport Lighting Company. Please see attached excerpt from FAA AC 150/5345-53D Addendum April 2023 which states the information provided above.

2. Page 4 of the P-401 SPEC states that “mix designs that are not dated or which are from a prior construction season shall not be accepted”. Will mix designs used in prior years be acceptable for this project? Material sources have not changed from the materials originally submitted on, designed with, and approved from previous years.

Mix designs, as stated in the P-401 specification, are to be dated for this project, and shall not be from previous years or construction seasons. The contractor shall be required to issue a mix design and testing results which are for this project's specific stockpiles or expected utilized materials.

3. If we are allowed to use the same designs, can we be authorized to change the gradation target of the #16 screen from its designed target of 27% passing to 30% passing? The reason this change is necessary is at 27%, the material was consistently at the Action Limits at the start of the project yet moving it to 30% allowed for more flexibility to make changes to the design to achieve both Air Voids and Gradation during production.

The Gradation requirements under this project are not permitted to be changed during the time of the bid. The contractor shall bid with the expectation of being required and expected to meet the gradation targets as per the specifications. Any requests to modify the gradation requirements can be made during the construction phase via written request but shall be entirely at the discretion of the engineer in charge for approval. Contractor shall not bid any item under this contract expecting that a modification to the specifications may be approved.

4. If we are not allowed to use the same design, what will the new design requirement be for compaction method: Gyration or Hammer Blows? This is not specified and is listed in such a way to provide the plant with the option. Is this true, or does it need to be one or the other?

The use of Gyration or Blows shall be at the discretion of the Contractor based on the testing equipment available. All testing equipment utilized must meet the requirements of the P-401 Specification.

5. In addendum #1, Page 11 of 12, under Taxiway Construction Duration, bullet point three, references taxiway grooving. There is currently no item included in the Bid Schedule for pavement grooving, and page 10 of the P-401 Specification states that sawcut grooving is not required. Please clarify whether sawcut grooving is or is not included and under what pay item it is to be included should it be required?

*Taxiway Grooving (Saw-Cut Grooving) is **NOT** an item within this project.*

ITEM No. 3 – FRONT ENDS

None

ITEM No. 4 – SPECIFICATIONS

None

ITEM No. 5 – MISCELLANEOUS

None

APPENDIX 1. THIRD PARTY CERTIFICATION BODIES.

The following Third Party Certification Bodies (Third Party Certifiers) have met the requirements contained in ADVISORY CIRCULAR 150/5345-53D, AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM, dated 9/26/12 and have been accepted as Third Party Certifiers under the Airport Lighting Equipment Certification Program.

| | |
|--|--|
| Intertek Testing Services (Formerly ETL Testing Laboratories, Inc. 3933 U.S. Route 11 Cortland, New York 13045 (607) 753-6711 or (800) 345-3851 | Elite Electronic Engineering, Inc. 1516 Centre Circle Downers Grove, Illinois 60515 (630) 495-9770 |
|--|--|

THIS LISTING CONTAINS A COMPLETE UPDATE OF THE CERTIFIED EQUIPMENT AND MANUFACTURERS LISTS, ADDENDUM TO APPENDIX 3 AND APPENDIX 4, OF ADVISORY CIRCULAR 150/5345-53D, AIRPORTING LIGHTING EQUIPMENT CERTIFICATION PROGRAM, DATED 09/26/12. EQUIPMENT NOT LISTED HERE, BUT LISTED IN PRIOR ADDENDUMS TO THE ADVISORY CIRCULAR HAVE BEEN DELETED.

Users should consult equipment manufacturers' catalogs or literature for complete ordering. For each lighting fixture listed in the addendum, the number in parentheses () after the manufacturer's catalog number indicates the specific lamp used in certification of the equipment. The (L), in parentheses (), the last letter after the L-number designation indicated a LED lamp required for the listed manufacturer part numbers.

| MFG | FAA type | CLASS | STYLE | MODE | SIZE | RATING | CAT NO. |
|--|-----------------|-------|---------|------|---------|--------|--|
| HUGHEY & PHILLIPS, LLC | L-858Y,R,L(L) | 2 | 2,3,5 | 3 | 2 | | L858-MX-2-3-X(709); L858-MX-2-3-X-B(709) |
| HUGHEY & PHILLIPS, LLC | L-858Y,R,L(L) | 2 | 2,3,5 | 3 | 3 | | L858-MX-3-3-X(709); L858-MX-3-3-X-B(709) |
| HUGHEY & PHILLIPS, LLC | L-858B(L) | 2 | 2,3,5 | 3 | 4 | | L858-MX-4-3-X(709); L858-MX-4-3-X-B(709) |
| HUGHEY & PHILLIPS, LLC | L-858B(L) | 2 | 2,3,5 | 3 | 5 | | L858-MX-5-3-X(709); L858-MX-5-3-X-B(709) |
| HUGHEY & PHILLIPS, LLC | L-858C,R,Y,L | NA | 4 | 1,2 | 1, 2, 3 | | L-858-X-X-X |
| STANDARD SIGNS, INC. | L-858Y, R, L, C | NA | 4 | 2 | 1, 2, 3 | | SUL-4; MUL-4; LUL-4 SUL-6; MUL-6; LUL-6 |
| STANDARD SIGNS, INC. | L-858Y, R, L(L) | 1,2 | 2, 3, 5 | 2 | 1 | | SXL (442) |
| STANDARD SIGNS, INC. | L-858Y, R, L(L) | 1,2 | 2, 3, 5 | 2, 3 | 2 | | MXL (442) |
| STANDARD SIGNS, INC. | L-858Y, R, L(L) | 1,2 | 2, 3, 5 | 2. 3 | 3 | | LXL (442) |
| STANDARD SIGNS, INC. | L-858B(L) | 1,2 | 2, 3, 5 | 2, 3 | 4 | | D1L (442) |
| STANDARD SIGNS, INC. | L-858B(L) | 1,2 | 2, 3, 5 | 2, 3 | 5 | | DL1L (442) |
| STANDARD SIGNS, INC. | L-858B | 1, 2 | 2, 3 | 2, 3 | 4 | | D1x (373) |
| STANDARD SIGNS, INC. | L-858B | 1, 2 | 2, 3 | 2, 3 | 5 | | DL1x (373) |
| STANDARD SIGNS, INC. | L-858Y, R, L | 1, 2 | 2, 3 | 2 | 1 | | SXx (373) |
| STANDARD SIGNS, INC. | L-858Y, R, L | 1, 2 | 2, 3 | 2, 3 | 2 | | MXx (373) |
| STANDARD SIGNS, INC. | L-858Y, R, L | 1, 2 | 2, 3 | 2, 3 | 3 | | LXx (373) |
| STANDARD SIGNS, INC. | L-858B | 1, 2 | 5 | 2, 3 | 4 | | D1P (11A); D1Q (33) |
| STANDARD SIGNS, INC. | L-858B | 1, 2 | 5 | 2, 3 | 5 | | DL1P (11A); DL1Q (33) |
| STANDARD SIGNS, INC. | L-858Y, R, L | 1, 2 | 5 | 2 | 1 | | SXP (11A); SXQ (33) |
| STANDARD SIGNS, INC. | L-858Y, R, L | 1, 2 | 5 | 2, 3 | 2 | | MXP (11A); MXQ (33) |
| STANDARD SIGNS, INC. | L-858Y, R, L | 1, 2 | 5 | 2, 3 | 3 | | LXP (11A); LXQ (33) |
| YOUYANG AIRPORT LIGHTING EQUIPMENT INC. | L-858Y(L) | 2 | 3 | 2 | 3 | | TGS(L)-858Y-13223-XXXX (877) |
| YOUYANG AIRPORT LIGHTING EQUIPMENT INC. | L-858R(L) | 2 | 3 | 2 | 3 | | TGS(L)-858R-13223-XXXX (877) |
| YOUYANG AIRPORT LIGHTING EQUIPMENT INC. | L-858L(L) | 2 | 3 | 2 | 3 | | TGS(L)-858L-13223-XXXX (877) |
| L-859 Lights, Flashing, Omnidirectional (FAA AC 150/5345-51B) | | | | | | | |
| FLASH TECHNOLOGY LLC | L-859V, I | | F | | | | FTS 417 (75); FTS 437 (75) |
| STROBE APPROACH LIGHTING TECHNOLOGY | L-859V | | F | | | | L849-V1-F (287) |
| STROBE APPROACH LIGHTING TECHNOLOGY | L-859I | | F | | | | L849-I-F (287) |
| L-861 Runway and Taxiway Elevated Lights, Medium Intensity (FAA AC 150/5345-46E) | | | | | | | |
| ADB SAFEGATE AMERICAS, LLC | L-861(L) | | | 1 | | | EMIS2XX0XS00X00 (731); EMIS2YG0XS00X00 (762)(763) |
| ADB SAFEGATE AMERICAS, LLC | L-861E(L) | | | 1 | | | EMIS2RR0XS00X00(733); EMIS2RG0XS00X00(732)(733); EMIS2NG0XS00X00(732); |
| ADB SAFEGATE AMERICAS, LLC | L-861SE(L) | | | 1 | | | EMIS2RG0XSFOX00 (764)(765); EMIS2NR0XSFOX00 (764); EMIS2NG0XSFOX00 (765); |
| ADB SAFEGATE AMERICAS, LLC | L-861SE | | | 1 | | | 44A2090-16X1 (819)(820); 44A2090-18X2 (819)(820) |
| ADB SAFEGATE AMERICAS, LLC | L-861T(L) | | | 1 | | | ETES-1X10 (445); ETES-1X11 (445) |
| ADB SAFEGATE AMERICAS, LLC | L-861T(L) | | | 1 | | | ETES-6X10 (445); ETES-6X11 (445) |
| ADB SAFEGATE AMERICAS, LLC | L-861T(L) | | | 1 | | | EHP-B2XX0 (445) |
| ADB SAFEGATE AMERICAS, LLC | L-861 | | | 1 | | | 44C1081-21XX(747); 44C1081-61XX(290); 44C1081-22XX(747); 44C1081-62XX(290); 44C1081-29XX(747); 44C1081-69XX(290); 44C1081-63XX(290); 44C1081-6CXX(290); 44C1081-6DXX(290); |
| ADB SAFEGATE AMERICAS, LLC | L-861E | | | 1 | | | 44C1081-66XX(290); 44C1081-67XX(290); 44C1081-6BXX(290); 44C1081-6EXX(290); |
| ADB SAFEGATE AMERICAS, LLC | L-861T | | | 1 | | | 44C1081-55XX(291); 44C1081-65XX(290) |
| AIRPORT LIGHTING COMPANY | L-861 | | | 1 | | | 216-45-Q-CC-XX (725); 216-45-Q-CY-XX (725); 216-45-Q-YY-XX (725); 216-45-Q-YR-XX (725); 216-45-Q-GY-XX (725); 216-45-Q-CR-XX (725) |
| AIRPORT LIGHTING COMPANY | L-861E | | | 1 | | | 216-45-Q-RR-XX (725); 216-45-Q-RO-XX (725); 216-45-Q-GR-XX (725); 216-45-Q-GO-XX (725) |

Any run way fixture listed above that uses a LED lighting source may not be compatible with Enhanced Flight Vision Systems that use IR energy emissions for imaging.
(L) Indicates LED fixture IR element present is not tested nor certified under this program as to compatible with any night vision equipment.

| MFG | FAA type | CLASS | STYLE | MODE | SIZE | RATING | CAT NO. |
|--|------------|-------|-------|------|------|--------|---|
| AIRPORT LIGHTING COMPANY | L-861T | | | 1 | | | 216-45-Q-BB-XX (725); 216-30-Q-BB-XX (661) |
| AIRPORT LIGHTING COMPANY | L-861(L) | | | 1 | | | ALC-861L-CC-XX-X (553); ALC-861L-CY-XX-X (553) ALC-861L-GY-XX-X (555); ALC-861L-RC-XX-X (553) ALC-861L-RY-XX-X (553); ALC-861L-YY-XX-X (553) |
| AIRPORT LIGHTING COMPANY | L-861E(L) | | | 1 | | | ALC-861L-GO-XX-X (554); ALC-861L-RR-XX-X (553); ALC-861L-RG-XX-X (556) |
| AIRPORT LIGHTING COMPANY | L-861T(L) | | | 1 | | | ALC-861L-BB-XX-X (552) |
| AIRPORT LIGHTING COMPANY | L-861SE(L) | | | 1 | | | ESEL-RG-XX-X (945)(946); ESEL-GR-XX-X (946)(945); ESEL-OG-XX-X (946); ESEL-GO-XX-X (946) |
| atg airports ltd | L-861T(L) | | | | | | IR861T(L)-1-B-0-1-1-00 (774) |
| CROUSE HINDS AIRPORT LIGHTING PRODUCTS | L-861(L) | | | 1 | | | 861M-AP1-WM-1-XX-0-0 (653); 861M-AP1-WM-2-XX-0-0 (653); 861M-AP1-WM-1-XX-1-0 (653); 861M-AP1-WM-2-XX-1-0 (653); 861M-AP1-YM-1-XX-0-0 (653); 861M-AP1-YM-2-XX-0-0 (653); 861M-AP1-YM-1-XX-1-0 (653); 861M-AP1-YM-2-XX-1-0 (653) |
| CROUSE HINDS AIRPORT LIGHTING PRODUCTS | L-861T(L) | | | 1 | | | 861T-AP1-BA-1-XX-0-0 (655); 861T-AP1-BA-2-XX-0-0 (655); 861T-AP1-BA-1-XX-1-0 (655); 861T-AP1-BA-2-XX-1-0 (655); |
| CROUSE HINDS AIRPORT LIGHTING PRODUCTS | L-861E(L) | | | 1 | | | 861E-AP1-RG-1-XX-0-0 (651)(657); 861E-AP1-RG-2-XX-0-0 (651)(657); 861E-AP1-RG-1-XX-1-0 (651)(657); 861E-AP1-RG-2-XX-1-0 (651)(657); 861E-AP1-RR-1-XX-0-0 (651); 861E-AP1-RR-2-XX-0-0 (651); 861E-AP1-RR-1-XX-1-0 (651); 861E-AP1-RR-2-XX-1-0 (651); 861E-AP1-GN-1-XX-0-0 (657); 861E-AP1-GN-2-XX-0-0 (657); 861E-AP1-GN-1-XX-1-0 (657); 861E-AP1-GN-2-XX-1-0 (657) |
| CROUSE HINDS AIRPORT LIGHTING PRODUCTS | L-861SE(L) | | | 1 | | | 861S-AP1-RG-1-XX-0-0 (652)(657); 861S-AP1-RG-2-XX-0-0 (652)(657); 861S-AP1-RG-1-XX-1-0 (652)(657); 861S-AP1-RG-2-XX-1-0 (652)(657); 861S-AP1-GN-1-XX-0-0 (657); 861S-AP1-GN-2-XX-0-0 (657); 861S-AP1-GN-1-XX-1-0 (657); 861S-AP1-GN-2-XX-1-0 (657) |
| CROUSE HINDS AIRPORT LIGHTING PRODUCTS | L-861(L) | | | 1 | | | 861B-AP1-WY-1-XX-0-0 (653); 861B-AP1-WY-2-XX-0-0 (653); 861B-AP1-WY-1-XX-1-0 (653); 861B-AP1-WY-2-XX-1-0 (653); 861B-AP1-WR-1-XX-0-0 (653); 861B-AP1-WR-2-XX-0-0 (653); 861B-AP1-WR-1-XX-1-0 (653); 861B-AP1-WR-2-XX-1-0 (653); 861B-AP1-YR-1-XX-0-0 (653); 861B-AP1-YR-2-XX-0-0 (653); 861B-AP1-YR-1-XX-1-0 (653); 861B-AP1-YR-2-XX-1-0 (653); 861B-AP1-GY-1-XX-0-0 (656)(654); 861B-AP1-GY-2-XX-0-0 (656)(654); 861B-AP1-GY-1-XX-1-0 (656)(654); 861B-AP1-GY-2-XX-1-0 (656)(654) |
| CROUSE HINDS AIRPORT LIGHTING PRODUCTS | L-861T(L) | | | | | | 861T-1-XX (844) |
| CROUSE HINDS AIRPORT LIGHTING PRODUCTS | L-861T(L) | | | | | | 861T-2-XX (844) |
| FLIGHT LIGHT INC. | L-861 | | | 1 | | | FL-861-C-45Q-XX-X (33) (818); FL-861-CY-45Q-XX-X (33) (818) FL-861-C-45-XX-X (634); FL-861-CY-45-XX-X (634) |
| FLIGHT LIGHT INC. | L-861E | | | 1 | | | FL-861-GR-45Q-XX-X (33) (818); FL-861-GR-45-XX-X (634) |
| FLIGHT LIGHT INC. | L-861T | | | 1 | | | FL-861-B-30Q-XX-X (31) (817); FL-861-B-45Q-XX-X (33) (818) FL-861-B-45-XX-X (634) |

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| MFG | FAA type | CLASS | STYLE | MODE | SIZE | RATING | CAT NO. |
|---|------------|-------|-------|------|------|--------|--|
| HUGHEY & PHILLIPS, LLC | L-861(L) | | | 1 | | | 861-L-W-XX (495); 861-L-Y-XX (495); 861-L-WY-XX (495); 861-L-WR-XX (495); 861-L-YR-XX (495); 861-L-GY-XX (494)(495) |
| HUGHEY & PHILLIPS, LLC | L-861T(L) | | | 1 | | | 861T-L-B-XX-X (682) |
| HUGHEY & PHILLIPS, LLC | L-861E(L) | | | 1 | | | 861E-L-GB-XX-X (495); 861E-L-RG-XX-X (494)(495); 861E-L-RR-XX-X (494); |
| HUGHEY & PHILLIPS, LLC | L-861SE(L) | | | 1 | | | 861SE-L-GB-XX-X (495); 861SE-L-RG-XX-X (494)(495) |
| HUGHEY & PHILLIPS, LLC | L-861T(L) | | | 1 | | | 861T-L-B-066-XX-6 (683); 861T-L-B-066-XX-7 (683) |
| HUGHEY & PHILLIPS, LLC | L-861 | | | 1 | | | L861-066-XX-45-XXM (681) |
| HUGHEY & PHILLIPS, LLC | L-861E | | | 1 | | | L861E-066-XX-1-XXM (681) |
| HUGHEY & PHILLIPS, LLC | L-861T | | | 1 | | | L861T-066-B-45-XXM (681) |
| HUGHEY & PHILLIPS, LLC | L-861T | | | 1 | | | L861T-066-B-30-XXM (685) |
| HUGHEY & PHILLIPS, LLC | L-861T(L) | | | 1 | | | 7400 LED (579)(580) |
| HUGHEY & PHILLIPS, LLC | L-861 | | | 1 | | | 7100(706); 7100Q(705); 7550(706); 7550Q(705) |
| HUGHEY & PHILLIPS, LLC | L-861E | | | 1 | | | 7250(706); 7250Q(705) |
| HUGHEY & PHILLIPS, LLC | L-861T | | | 1 | | | 7400(707); 7400Q(708) |
| MULTI-ELECTRIC MANUFACTURING, INC. | L-861(L) | | | | | | LEMIRL-F-0-YG-XX-X-X (948) LEMIRL-F-0-W-XX-X-X (949) LEMIRL-F-0-Y-XX-X-X (949) LEMIRL-F-0-YW-XX-X-X (949) LEMIRL-F-0-WR-XX-X-X (949) LEMIRL-F-0-YR-XX-X-X (949) |
| MULTI-ELECTRIC MANUFACTURING, INC. | L-861E(L) | | | | | | LEMIRL-F-E-RG-XX-X-X(951)(952) LEMIRL-F-E-GM-XX-X-X(951) LEMIRL-F-E-RR-XX-X-X(952) |
| MULTI-ELECTRIC MANUFACTURING, INC. | L-861SE(L) | | | | | | LEMIRL-F-S-RG-XX-X-X(950)(952) LEMIRL-F-S-GM-XX-X-X(950) |
| MULTI-ELECTRIC MANUFACTURING, INC. | L-861T(L) | | | 1 | | | LTE-F-XX-A-X-X (544) |
| OCEM AIRFIELD TECHNOLOGY | L-861(L) | | | | | | LEMIRL-F-0-YG-XX-X-X (948) LEMIRL-F-0-W-XX-X-X (949) LEMIRL-F-0-Y-XX-X-X (949) LEMIRL-F-0-YW-XX-X-X (949) LEMIRL-F-0-WR-XX-X-X (949) LEMIRL-F-0-YR-XX-X-X (949) |
| OCEM AIRFIELD TECHNOLOGY | L-861E(L) | | | | | | LEMIRL-F-E-RG-XX-X-X(951)(952) LEMIRL-F-E-GM-XX-X-X(951) LEMIRL-F-E-RR-XX-X-X(952) |
| OCEM AIRFIELD TECHNOLOGY | L-861SE(L) | | | | | | LEMIRL-F-S-RG-XX-X-X(950)(952) LEMIRL-F-S-GM-XX-X-X(950) |
| OCEM AIRFIELD TECHNOLOGY | L-861T(L) | | | 1 | | | LETE-F-35-A-X-X (544); LETE-F-35-B-X-X (544); LETE-F-50-A-X-X (544); LETE-F-50-B-X-X (544); LETE-F-61-A-X-X (544); LETE-F-61-B-X-X (544); LETE-F-76-A-X-X (544); LETE-F-76-B-X-X (544); |
| YOUYANG AIRPORT LIGHTING EQUIPMENT INC. | L-861T | | | 1 | | | ELC-TEDL-045-01(33) |
| YOUYANG AIRPORT LIGHTING EQUIPMENT INC. | L-861T(L) | | | 1 | | | ELE(L)-TEDL-B-FX(926) |
| YOUYANG AIRPORT LIGHTING EQUIPMENT INC. | L-861T | | | | | | ELD-TEDL-045-01 (857) |
| L-862 Runway Edge, Threshold, End, Stop Bar, High Intensity (FAA AC 150/5345-46E) | | | | | | | |
| ADB SAFEGATE AMERICAS, LLC | L-862S | | | 1 | | | 44A5877-X (153) |
| ADB SAFEGATE AMERICAS, LLC | L-862E | | | 1 | | | 44A2071-411X (801) 44A2071-412X (801) 44A2071-413X (801) 44A2071-417X (801) |

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