



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

July 27, 2012

**ADDENDUM #1, BID H-57-12
POMPANO BEACH AIRPARK TAXIWAY KILO RELOCATION**

To Whom It May Concern,

Please review the following questions and answers regarding the above bid.

1. Question: What pages are required to be submitted with the bid?

1. Answer: As stated in Instructions to Bidders 14.2, return bid pages 13-45. Substitute the revised pages that are enclosed with this Addendum for the original bid pricing pages.

The following pages are also required to be submitted with the bid:

The form "**VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS**" that is enclosed with this Addendum.

- DBE Form 1- Schedule of DBE Participation- Page 92
- DBE Form 2- DBE Subcontractor Identification Affidavit (For each DBE Subcontractor)-Page 93
- DBE Form 3, Letter of Intent to Perform as a Subcontractor (For each DBE Subcontractor)- Page 94
- If a Bidder cannot achieve the DBE contract goal stated, he is required to submit DBE Form 4, DBE Unavailability Certification –Page 95

2. Question: There is a discrepancy on the new guidance signs. Specification 126-2.4 L858 Signs reads that the "signs shall be furnished with quartz lamps installed". Under Basis of Payment 126-5.1, Item L-126-6 through L-126-9 are listed as new LED signs. Which is correct?

2. Answer: The signs shall be LED.

3. Question: Who is the manufacturer of the existing airfield guidance signs that are to be relocated or re-paneled? Are they rounded signs?

3. Answer: The existing signs are ADB, trapezoidal style signs; it is the contractor's responsibility to verify the manufacturer prior to ordering replacement panels.

4. Question: Who is the manufacturer of the existing lighted wind cone that is to be relocated and retro-fitted with a new LED kit?

4. Answer: The existing wind cone manufacturer is ADB.

5. Question: Are the existing light bases that are to be re-used precast? If not, relocating the base cans will be very labor intensive and it would probably be in the owner's best interest to have new base cans as the costs would be nearly the same.

5. Answer: The existing base cans are pre-cast.

6. Question: When was the existing edge lighting system installed?

6. Answer: The existing lighting system was installed approximately 6 years ago.

7. Question: Will a line item for extending 4w4 duct bank be added? Sheet E2.1 on the north side of Taxiway Alpha a 4w4" duct bank extension is shown.

7. Answer: No, it is not necessary. The work will be paid for under 1W4" concrete encased duct bank, payment item L-110-7 for each conduit.

8. Question: The duct bank extension shown on Sheet E2.1 does not extend beyond the edge of proposed pavement. Do the drawings need to be revised to extend the duct bank beyond the edge of proposed pavement? The same question applies to the following duct banks shown on Sheet E2.2: 2w4" duct bank extension at T/W "M", the 2W" extension on the west end of T/W "K", and the 8w4" extension on the south side of T/W "K".

8. Answer: The note 7 attached to the existing duct bank is to reflect the interception of the existing duct bank and the heavy line indicates the anticipated linear foot of concrete encasement of the existing duct bank requirement, also Note 7 states that the duct bank/concrete encasement is to be extended 5' beyond the proposed pavement edge. Please see sheet E4.1 where the plans indicate that 4-1W4" new concrete conduits are to be installed from the exiting duct bank to the proposed pavement edge. This is the same explanation for all of the above mentioned duct banks.

9. Question: Why does the duct bank extension on Sheet E2.2 start midway through existing pavement? Is this not already concrete encased?

9. Answer: It could not be verified (without demolition) if the existing duct bank under the existing pavement is concrete encased or not. Therefore, the contractor will be required to locate the exiting duct bank and concrete encase it within the proposed new pavement limits if it is not already concrete encased.

10. Question: Where can we find a list of approved Miami Dade County approved Aluminum Heavy Duty insulated doors? Referenced on Sheet E5.1, Note 4.

10. Answer: Product Search can be conducted on www.miamidade.gov under the Permitting, Environmental and Regulatory Affairs page.

11. Question: What is the size and location for suitable lockable office for engineer field office? (Article 28.01, page 75)

11. Response: A field office is not required.

12. Question: What salvage equipment/material will the owner desire to stockpile on site? (article 30.1, page 76)

12. Response: The only salvageable materials may be electrical items. The owner will make that determination during the construction process.

13. Question: Existing elevation grades are not legible on cross-section and geometry and paving plans.

13. Response: These sheets are being reissued in a effort to improve the printing quality.

14. Question: The demolition plans (sheet C4.4)"remove existing asphalt and rework base and geometry" and paving plan (sheet C5.4) "mill and overlay". Please clarify.

14. Response: As mentioned in the pre-bid conference, the intent is to reuse existing limerock base where the geometry of the old taxiway and new taxiway overlap. The demolition plans reflect locations where the existing asphalt shall be removed and the existing limerock base salvaged by reworking the base, reshaping, adjusting to new grades by blending in new limerock and recompacting. The geometry and paving plans reflect these same locations as a mill (remove existing pavement) and overlay. Payment item S-103-1, Asphalt Pavement Milling-Full depth removal covers the pavement removal, Payment item P-211-2 Limerock Base Course Reshaping/Recompacting cover the limerock work and Payment item P-401-1 covers the new asphalt (overlay).

15. Question: Bid item L-125-3 (alternate)- schedule shows 62 units. Counted 32.

15. Response: The unit quantity for Bid Item L-125-3 shall be revised to indicate a quantity of 32, see revised bid form.

16. Question: Bid item L-125-4 (Schedule) shows 5 units, counted 0.

16. Response: There is no change in the unit quantity for bid item L-125-4.

17. Question: Signage pay items quantities look incorrect.

17. Response: See revised bid form and signage schedule.

18. Question: Does the relocated sign include new panel? Quantities look incorrect.

18. Response: The bid items L-126-2, L-126-3 and L-126-4 for the relocation of existing guidance signs shall include the repaneling of the existing guidance sign, see revised bid item descriptions.

The following plan sheets are being reissued with revisions.

1. C-2.1- Maintenance of Traffic Details (CSPP)
2. C-2.2- Maintenance of Traffic Plan Phase 2 (CSPP)
3. C-2.3- Maintenance of Traffic Plan Phase 3 (CSPP)
4. C-2.4- Maintenance of Traffic Plan Phase 4 (CSPP)
5. C-2.5- Maintenance of Traffic Plan Phase 5 (CSPP)
6. C-2.6- Maintenance of Traffic Plan Phase 6 (CSPP)
7. E7.3- Electrical Signage Details

The following plan sheets are being reissued in an attempt to improve printing quality (no revisions)

1. C-4.1 Demolition Plan
2. C-5.1 Geometry and Paving Plan
3. C-5.2 Geometry and Paving Plan
4. C-5.3 Geometry and Paving Plan
5. C-5.4 Geometry and Paving Plan
6. C-5.5 Geometry and Paving Plan
7. C-6.1 Grading and Drainage Plan
8. C-6.2 Grading and Drainage Plan
9. C-6.3 Grading and Drainage Plan
10. C-6.4 Grading and Drainage Plan
11. C-6.5 Grading and Drainage Plan
12. C-10.1 Airfield Signage and Pavement Markings Plan
13. C-10.2 Airfield Signage and Pavement Markings Plan
14. C-10.3 Airfield Signage and Pavement Markings Plan
15. C-11.1 Cross Section Layout Plan
16. C-11.2 Taxiway Kilo Cross Sections
17. C-11.3 Taxiway Kilo Cross Sections
18. C-11.4 Taxiway Kilo Cross Sections
19. C-11.5 Taxiway Kilo Cross Sections
20. C-11.6 Taxiway Kilo Cross Sections
21. C-11.7 Taxiway Kilo Cross Sections
22. C-11.8 Taxiway Kilo Cross Sections
23. C-11.9 Taxiway Kilo Cross Sections

The following contract document revisions shall be made.

1. Replace the original pricing pages of the Bid Proposal Form with new pages that are enclosed with this Addendum. All bidders must use the new pricing pages.
2. Replace the original Specification L-126 pages 10-12 with new pages that are enclosed with this Addendum.
3. All Bidders must complete the form "**VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS**" and submit with their bid proposal, as required by Section 287.135, Florida Statutes.

The remainder of the solicitation is unchanged at this time. The bid opening remains as originally scheduled, 2:00 p.m. August 1, 2012.

Acknowledge receipt of this Addendum in the area provided on Page 14 of the bid.

Very truly yours,



Leeta Hardin
General Services Director

Enclosures

cc: website
file

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: _____

Vendor FEIN: _____

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

Certified By: _____

Authorized Signature Print Name and Title: _____

BASE BID*Note: Refer to Technical Specifications for further description of payment items*

<u>Bid Item Number</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>UOM</u>	<u>Unit Price</u>	<u>Total</u>
IN-1	Consideration for Indemnification	1	LS	\$10.00	\$10.00
S-100-1	Mobilization	1	LS	\$_____	\$_____
S-102-1	Airport Safety Requirements	1	LS	\$_____	\$_____
S-103-1	Asphalt Pavement Milling - Full Depth Removal	19,000	SY	\$_____	\$_____
S-103-2	Asphalt Pavement Milling - Partial Depth Removal	3,550	SY	\$_____	\$_____
S-105-1	Contractor's Quality Control	1	LS	\$_____	\$_____
S-106-1	Project Survey and Stakeout	1	LS	\$_____	\$_____
BO-1-1	Burrowing Owl Nest Protection	7	EA	\$_____	\$_____
GT-1-1	Gopher Tortoise Burrow Protection	1	EA	\$_____	\$_____
GT-1-2	Gopher Tortoise Burrow Relocation	7	EA	\$_____	\$_____
P-151-1	Clearing and Grubbing	14	AC	\$_____	\$_____
P-152-1	Unclassified Excavation	6,310	CY	\$_____	\$_____
P-152-2	Unsuitable Excavation	500	CY	\$_____	\$_____
P-152-3	Compacted Subgrade (LBR-40)	12,150	CY	\$_____	\$_____
P-156-1	Temporary Air and Water Pollution, Soil Erosion and Siltation Control	1	LS	\$_____	\$_____
P-211-1	Limerock Base Course (8" thick)	12,150	SY	\$_____	\$_____
P-211-2	Limerock Base Reshaping/Recompacting	9,800	SY	\$_____	\$_____
P-401-1	Bituminous Surface Course	2,719	TON	\$_____	\$_____
P-602-1	Bituminous Prime Coat	10,720	GAL	\$_____	\$_____
P-603-1	Bituminous Tack Coat	1,760	GAL	\$_____	\$_____
P-620-1	Temporary Runway and Taxiway Painting (50% Application)	22,500	SF	\$_____	\$_____

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P-620-2	Runway and Taxiway Painting	28,050	SF	\$ _____	\$ _____
P-620-3	Reflective Media	2,925	LB	\$ _____	\$ _____
P-620-4	Marking Removal	4,912	SF	\$ _____	\$ _____
D-701-1	18" Class II Reinforced Concrete Pipe	200	LF	\$ _____	\$ _____
D-701-2	24" Class II Reinforced Concrete Pipe	135	LF	\$ _____	\$ _____
D-701-3	30" Class II Reinforced Concrete Pipe	240	LF	\$ _____	\$ _____
D-701-4	36" Class II Reinforced Concrete Piped	1145	LF	\$ _____	\$ _____
D-751-1	FDOT Type D Ditch Bottom Inlet	13	EA	\$ _____	\$ _____
D-751-2	FDOT Type H (2 and 3 Grate) Ditch Bottom Inlet	1	EA	\$ _____	\$ _____
D-751-3	Replace existing structure CB-110	1	EA	\$ _____	\$ _____
T-901-1	Seeding and Mulching	11.25	AC	\$ _____	\$ _____
T-904-1	Sodding (Argentine Bahia)	11,000	SY	\$ _____	\$ _____
T-905-1	Topsoiling	7,300	CY	\$ _____	\$ _____
L-108-1	Hand excavate minimum 8" Wide x 28" Deep in earth. Complete in place	400	LF	\$ _____	\$ _____
L-108-2	Hand excavate minimum 18" Wide x 36" Deep in earth. Complete in place	400	LF	\$ _____	\$ _____
L-108-3	#8, 5KV, L-824 Conductor installed in new and existing Conduit/ Ductbank/Manhole system .Complete in Place	27,000	LF	\$ _____	\$ _____
L-108-4	#6, 5KV, L-824 Conductor installed in new and existing Conduit/ Ductbank/Manhole system . Complete in Place	15,750	LF	\$ _____	\$ _____
L-108-5	#6, 600V, XHHW Airfield Lighting Green Equipment Ground installed in new and existing Conduit/ Ductbank/Manhole system Complete in Place	21,500	LF	\$ _____	\$ _____

Addendum #1 Bid H-57-12

L-108-6	#6 Bare AWG Solid Counterpoise Conductor installed in separate counterpoise trench, parallel to edge of pavement. Complete in place.	6,200	LF	\$ _____	\$ _____
L-108-7	#6 bare solid AWG counterpoise conductor installed over conduit system, not parallel to edge of pavement. Complete in place.	7,100	LF	\$ _____	\$ _____
L-108-8	3/4" x 20' Ground Rods Connected to Counterpoise. Complete in place.	43	EA	\$ _____	\$ _____
L-108-9	10' Additional Ground Rod Sections. Complete in place	8	EA	\$ _____	\$ _____
L-110-1	1-2" Schedule 40 PVC Conduit Direct Buried in earth complete in Place. Complete in place	15,500	LF	\$ _____	\$ _____
L-110-2	Directional bore 2" Schedule 40 HDPE Conduit under existing taxiway and runway pavements. Complete in place	2,700	LF	\$ _____	\$ _____
L-110-3	1-2" Schedule 40 PVC Conduit installed under new full strength pavement complete in Place,	1,250	LF	\$ _____	\$ _____
L-110-4	1-2" Schedule 40 PVC Conduit installed in existing full strength pavement complete in Place, - Includes sawcutting of pavement, excavation, concrete, conduits, connectors, labor, backfill, and pavement repair complete in place	50	LF	\$ _____	\$ _____
L-110-5	1-4" Schedule 40 PVC Conduit installed in earth complete in Place, - Includes excavation, concrete, labor, and backfill, complete in place	1,500	LF	\$ _____	\$ _____
L-110-6	Directional bore 4" schedule 40 HDPE Conduit under existing taxiway and runway pavements. Complete in place.	3,700	LF	\$ _____	\$ _____
L-110-7	1-4" Schedule 40 PVC Conduit installed under new full strength pavement complete in Place, -	1,300	LF	\$ _____	\$ _____

L-110-8	Hand excavate and concrete encase 2W4" ductbank. Complete in place	300	LF	\$ _____	\$ _____
L-110-10	Hand excavate and concrete encase 8W4" ductbank. Complete in place,	75	LF	\$ _____	\$ _____
L-110-11	Hand excavate, split duct and concrete encase existing 4" FAA ductbank per linear foot.	200	LF	\$ _____	\$ _____
L-110-12	Intercept existing conduit system and connect to new conduit system and extend circuit. Complete in place.	20	EA	\$ _____	\$ _____
L-110-13	Hand excavate and intercept existing 2W4" duct bank. Complete in place.	6	EA	\$ _____	\$ _____
L-110-15	Hand excavate and intercept existing 8W4" duct bank. Complete in place.	4	EA	\$ _____	\$ _____
L-115-1	L-867 16" diameter junction can with cover installed in earth. Complete in place.	1	EA	\$ _____	\$ _____
L-115-2	L-867 16" Diameter 2 can Junction can plaza installed in earth. Complete in place.	5	EA	\$ _____	\$ _____
L-115-3	L-867 16" Diameter 2 can bottomless Junction can plaza installed in earth. Complete in place.	1	EA	\$ _____	\$ _____
L-115-4	L-867 16" Diameter 3 can Junction can plaza installed in earth. Complete in place.	3	EA	\$ _____	\$ _____
L-115-5	L-867 16" Diameter 3 can bottomless Junction can plaza installed in earth. Complete in place.	1	EA	\$ _____	\$ _____
L-115-6	L-867 16" Diameter 4 can Junction can plaza installed in earth. Complete in place.	1	EA	\$ _____	\$ _____
L-115-7	L-867 16" Diameter 5 can bottomless Junction can plaza installed in earth. Complete in place.	2	EA	\$ _____	\$ _____

L-115-8	L-867 16" Diameter 8 can bottomless Junction can plaza installed in earth.. Complete in place.	1	EA	\$ _____	\$ _____
L-115-9	L-867 16" Diameter 9 can bottomless Junction can plaza installed in earth. Complete in place.	1	EA	\$ _____	\$ _____
L-115-10	Core drill existing manhole in earth/existing pavement and connect to conduit system. Complete in place.	8	EA	\$ _____	\$ _____
L-115-11	Intercept existing light base can in earth and connect to conduit system. Complete in place.	30	EA	\$ _____	\$ _____
L-125-1	New L-861T(L) LED Taxiway Elevated Edge Light and new L-867 base can installed in earth. Complete in place.	31	EA	\$ _____	\$ _____
L-125-2	New L-852D Quartz, Aluminum flush mounted Runway Edge Light with new base can. Complete in place	3	EA	\$ _____	\$ _____
L-125-3	New L-861T(L) LED Taxiway Elevated Edge Light installed on relocated L-867 base can installed in earth. Complete in place.	106	EA	\$ _____	\$ _____
L-125-4	New L-861T(L) LED Taxiway Elevated Edge Light installed on existing base can. Complete in place.	25	EA	\$ _____	\$ _____
L-125-5	Adjust existing Flush Mounted Runway Edge Lightcan installed in existing pavement.	2	EA	\$ _____	\$ _____
L-125-6	Mounting, clean, re-rack manhole.	2	EA	\$ _____	\$ _____
L-125-7	Intercept existing circuit conductors in existing base can/manhole/junction can and extend circuits accordingly. Complete in place.	65	EA	\$ _____	\$ _____
L-125-8	Removal of existing junction can/light base can in earth.. Complete in place.	5	EA	\$ _____	\$ _____

L-125-9	Removal of existing 2-can Junction Can Plaza in earth/existing pavement, complete. Complete in place.	21	EA	\$_____	\$_____
L-125-10	Removal of existing manhole in earth, complete. Complete in place.	2	EA	\$_____	\$_____
L-125-11	Relocate existing windcone and provide new LED retrofit kit, complete. Complete in place.	1	EA	\$_____	\$_____
L-125-12	Identification of cables, ductbanks and lighting fixtures per FAA specifications. Complete in place.	1	LS	\$_____	\$_____
L-125-13	Temporary Wiring to maintain existing systems in operation or to bypass segments of existing systems. Complete in place.	1	LS	\$_____	\$_____
L-125-14	Provide and Install new package HVAC system for the existing airfield electrical vault. Complete in place.	1	LS	\$_____	\$_____
L-126-1	Removal of existing guidance sign and concrete base, complete. Complete in place.	7	EA	\$_____	\$_____
L-126-2	Relocate existing size 2, 1 module guidance sign with new concrete base in earth/rock complete. Complete in place	1	EA	\$_____	\$_____
L-126-3	Relocate existing size 2, 2 module guidance sign with new concrete base in earth/rock complete in place.	1	EA	\$_____	\$_____
L-126-4	Relocate existing size 2, 3 module guidance sign with new concrete base in earth/rock complete in place.	11	EA	\$_____	\$_____
L-126-5	Relocate existing size 2, 4 module guidance sign with new concrete base in earth/rock complete in place.	3	EA	\$_____	\$_____
L-126-6	New size 2, 1 module LED guidance sign and concrete base installed in earth/rock complete in place.	2	EA	\$_____	\$_____

L-126-7	New size 2, 2 module LED guidance sign and concrete base installed in earth/rock complete in place.	1	EA	\$_____	\$_____
L-126-8	New size 2, 3 module LED guidance sign and concrete base installed in earth/rock complete in place.	5	EA	\$_____	\$_____
L-126-9	New size 2, 4 module LED guidance sign and concrete base installed in earth/rock complete in place.	7	EA	\$_____	\$_____
L-126-10	Intercept existing sign pad in earth, connect to conduit system and extend circuit accordingly. Complete in place	5	EA	\$_____	\$_____
L-126-11	Repanel existing size 2, 1 module guidance sign. Complete in place.	7	EA	\$_____	\$_____
L-126-12	Repanel existing size 2, 2 module guidance sign. Complete in place.	6	EA	\$_____	\$_____
L-126-13	Repanel existing size 2, 3 module guidance sign. Complete in place.	3	EA	\$_____	\$_____
L-126-14	Repanel existing size 5 runway distance remaining sign. complete in place.	2	EA	\$_____	\$_____

TOTAL BASE BID AMOUNT \$_____

GRAND TOTAL BASE BID in Words: _____

ALTERNATE NO. 1 BID*Note: Refer to Technical Specifications for further description of payment items*

<u>Bid Item Number</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>UOM</u>	<u>Unit Price</u>	<u>Total</u>
IN-1	Consideration for Indemnification	1	LS	\$10.00	\$10.00
S-100-1	Mobilization	1	LS	\$_____	\$_____
S-102-1	Airport Safety Requirements	1	LS	\$_____	\$_____
S-103-1	Asphalt Pavement Milling - Full Depth Removal	6,750	SY	\$_____	\$_____
S-103-2	Asphalt Pavement Milling - Partial Removal	1,400	SY	\$_____	\$_____
S-105-1	Contractor's Quality Control	1	LS	\$_____	\$_____
S-106-1	Project Survey and Stakeout	1	LS	\$_____	\$_____
GT-1-1	Gopher Tortoise Burrow Protection	1	EA	\$_____	\$_____
GT-1-2	Gopher Tortoise Burrow Relocation	3	EA	\$_____	\$_____
P-151-1	Clearing and Grubbing	7	AC	\$_____	\$_____
P-152-1	Unclassified Excavation	3,590	CY	\$_____	\$_____
P-152-2	Unsuitable Excavation	500	Y	\$_____	\$_____
P-152-3	Compacted Subgrade (LBR-40)	4,100	CY	\$_____	\$_____
P-156-1	Temporary Air and Water Pollution, Soil Erosion and Siltation Control	1	LS	\$_____	\$_____
P-156-2	Silt Fence	525	LF	\$_____	\$_____
P-211-1	Limerock Base Course (8" thick)	4,100	SY	\$_____	\$_____
P-211-2	Limerock Base Reshaping/Recompacting	3,250	SY	\$_____	\$_____
P-401-1	Bituminous Surface Course	1,006	TON	\$_____	\$_____
P-602-1	Bituminous Prime Coat	3,930	GAL	\$_____	\$_____

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P-603-1	Bituminous Tack Coat	700	GAL	\$ _____	\$ _____
P-620-1	Temporary Runway and Taxiway Painting (50% Application)	7,500	SF	\$ _____	\$ _____
P-620-2	Runway and Taxiway Painting	9,350	SF	\$ _____	\$ _____
P-620-3	Reflective Media	975	LB	\$ _____	\$ _____
P-620-4	Marking Removal	1,638	SF	\$ _____	\$ _____
D-701-2	24" Class II Reinforced Concrete Pipe	175	LF	\$ _____	\$ _____
D-701-3	30" Class II Reinforced Concrete Pipe	430	LF	\$ _____	\$ _____
D-751-1	FDOT Type D Ditch Bottom Inlet	1	EA	\$ _____	\$ _____
D-751-2	FDOT Type H (2 and 3 Grate) Ditch Bottom Inlet	1	EA	\$ _____	\$ _____
T-901-1	Seeding and Mulching	3.75	AC	\$ _____	\$ _____
T-904-1	Sodding (Argentine Bahia)	1,800	SY	\$ _____	\$ _____
T-905-1	Topsoiling	3,600	CY	\$ _____	\$ _____
L-108-1	Hand excavate minimum 8" Wide x 28" Deep in earth. Complete in place.	100	LF	\$ _____	\$ _____
L-108-2	Hand excavate minimum 18" Wide x 36" Deep in earth. Complete in place	100	LF	\$ _____	\$ _____
L-108-3	#8, 5KV, L-824 Conductor installed in new and existing Conduit/ Ductbank/Manhole system -Complete in Place	6,500	LF	\$ _____	\$ _____
L-108-4	#6, 5KV, L-824 Conductor installed in new and existing Conduit/ Ductbank/Manhole system - Complete in Place	1,000	LF	\$ _____	\$ _____
L-108-5	#6, 600V XHHN, Airfield Lighting Green Equipment Ground installed in new and existing Conduit/ Ductbank/Manhole system - Complete in Place	5,000	LF	\$ _____	\$ _____

L-108-6	#6 Bare AWG Solid Counterpoise Conductor installed in separate counterpoise trench, parallel to edge of pavement. Complete in place.	1600	LF	\$ _____	\$ _____
L-108-7	#6 bare solid AWG counterpoise conductor installed over conduit system, not parallel to edge of pavement. Complete in place.	1500	LF	\$ _____	\$ _____
L-108-8	3/4" x 20' Ground Rods Connected to Counterpoise at 500'. Complete in place.	7	EA	\$ _____	\$ _____
L-108-9	10' Additional Ground Rod Sections. Complete in place	2	EA	\$ _____	\$ _____
L-110-1	1-2" Schedule 40 PVC Conduit Direct Buried in earth. Complete in place	3,000	LF	\$ _____	\$ _____
L-110-2	Directional bore 2" Schedule 40 HDPE Conduit under existing taxiway and runway pavements, complete in Place	1,000	LF	\$ _____	\$ _____
L-110-3	1-2" Schedule 40 PVC Conduit installed under new full strength pavement complete in Place,	250	LF	\$ _____	\$ _____
L-110-4	1-2" Schedule 40 PVC Conduit installed in existing full strength pavement complete in Place,	200	LF	\$ _____	\$ _____
L-110-5	1-4" Schedule 40 PVC Conduit installed in earth complete in Place,	200	LF	\$ _____	\$ _____
L-110-7	1-4" Schedule 40 PVC Conduit installed under new full strength pavement complete in Place.	450	LF	\$ _____	\$ _____
L-110-9	Hand excavate and concrete encase 4W4" ductbank. Complete in place.	50	LF	\$ _____	\$ _____
L-110-12	Intercept existing conduit system and connect to new conduit system and extend circuit. Complete in place.	9	LF	\$ _____	\$ _____
L-110-14	Hand excavate and intercept existing 4W4" duct bank. Complete in place.	1	EA	\$ _____	\$ _____

L-115-2	L-867 16" Diameter 2 can Junction can plaza installed in earth. Complete in place.	2	EA	\$ _____	\$ _____
L-115-3	L-867 16" Diameter 2 can bottomless Junction can plaza installed in earth. Complete in place.	1	EA	\$ _____	\$ _____
L-115-11	Intercept existing light base can in earth and connect to conduit system. Complete in place.	10	EA	\$ _____	\$ _____
L-125-1	New L-861T(L) LED Taxiway Elevated Edge Light and new L-867 base can installed in earth. Complete in place.	5	EA	\$ _____	\$ _____
L-125-2	New L-852D Quartz, Aluminum flush mounted Runway Edge Light with new base can. Complete in place.	1	EA	\$ _____	\$ _____
L-125-3	New L-861T(L) LED Taxiway Elevated Edge Light installed on relocated L-867 base can installed in earth. Complete in place.	32	EA	\$ _____	\$ _____
L-125-4	New L-861T(L) LED Taxiway Elevated Edge Light installed on existing base can. Complete in place.	5	EA	\$ _____	\$ _____
L-125-5	Adjust existing Flush Mounted Runway Edge Light can installed in existing pavement.	2	EA	\$ _____	\$ _____
L-125-7	Intercept existing circuit conductors in existing base can/manhole/junction can and extend circuits accordingly. Complete in place.	15	EA	\$ _____	\$ _____
L-125-8	Removal of existing junction can/light base can in earth, complete. Complete in place.	14	EA	\$ _____	\$ _____
L-125-9	Removal of existing 2-can Junction Can Plaza in earth/existing pavement, complete. Complete in place.	5	EA	\$ _____	\$ _____

L-125-12	Identification of cables, duct banks and lighting fixtures per FAA specifications. Complete in place.	1	LS	\$ _____	\$ _____
L-125-13	Temporary Wiring to maintain existing systems in operation or to bypass segments of existing systems. Complete in place.	1	LS	\$ _____	\$ _____
L-126-1	Removal of existing guidance sign and concrete base in earth complete. Complete in place.	5	EA	\$ _____	\$ _____
L-126-2	Relocate existing size 2, 1 module guidance sign with new concrete base in earth/rock complete. Complete in place.	2	EA	\$ _____	\$ _____
L-126-3	Relocate existing size 2, 2 module guidance sign with new concrete base in earth/rock complete in place.	3	EA	\$ _____	\$ _____
L-126-4	Relocate existing size 2, 3 module guidance sign with new concrete base in earth/rock complete in place.	3	EA	\$ _____	\$ _____
L-126-11	Repanel existing size 2, 1 module guidance sign. Complete in place.	1	EA	\$ _____	\$ _____
L-126-12	Repanel existing size 2, 2 module guidance sign. Complete in place.	2	EA	\$ _____	\$ _____
L-126-13	Repanel existing size 2, 3 module guidance sign. Complete in place.	2	EA	\$ _____	\$ _____
TOTAL ALTERNATIVE NO. 1 BID AMOUNT				\$ _____	\$ _____

126-3.5 MINOR DEPARTURES

Minor departures from exact dimensions shown in the electrical plans may be permitted where required to avoid conflict or unnecessary difficulty in placement of a dimensional item, provided contract requirements are met. The Contractor shall promptly obtain approval from the Owner and/or the FAA Resident Engineer prior to undertaking any such proposed departure.

126-4 METHODS OF MEASUREMENT.

126-4.1 GENERAL Lighted and Unlighted Airport Guidance Signs will be paid for under this item shall be the number of each type and sign panel combination installed as complete units and signs relocated or removed, including installed, adjusted, removed or replaced, complete in place, ready for operation, and accepted by the Engineer.

126-5 BASIS OF PAYMENT

126-5.1

Payment will be made at the Contract unit price for each Lighted and Unlighted Airport Guidance Sign that is installed, removed or relocated, by the Contractor and accepted by the Engineer. This price shall be full compensation for furnishing all materials including, junction boxes, base cans, blank covers, concrete pad, steel cages, grounding, excavation, backfill, isolation transformers, connectors, splice kits, wiring, heat shrink, grommets, identification, demolition, testing and for all preparation, assembly, installation of these materials, and for all labor, equipment, and incidentals necessary to complete this item. See plans for specific details.

Payment will be made under:

- | | |
|--------------|---|
| Item L-126-1 | Removal of existing guidance sign and concrete base in earth complete. Includes backfill, sod, labor, disposal of concrete base, connections, connector kits, delivery of sign to owner, disconnection of existing circuit, removal of circuit conductors to edge light, reconnection of existing circuit, capping of conduits, temporary conduit and conductors and etc., complete in place. – Price per each |
| Item L-126-2 | Relocate existing size 2, 1 module guidance sign with new concrete base in earth/rock complete. Includes excavation, removal of existing concrete base, new high early concrete base, rock, sawcutting, backfill, rebar, steel cover, tethers, relocation of sign, lamps, new sign panels , transformers, hardware, conduits, conductors, counterpoise, junction can, grounding, ground rods, testing, wiring, connector kits, backfill, identification, carbon steel bolts, temporary conduit and conductors, labor and etc. for a complete working system in place. – Price per each |
| Item L-126-3 | Relocate existing size 2, 2 module guidance sign with new concrete base in earth/rock complete. Includes excavation, removal of existing concrete base, new high early concrete base, rock, sawcutting, backfill, rebar, steel cover, tethers, relocation of sign, lamps, new sign panels , transformers, carbon steel bolts, hardware, conduits, conductors, counterpoise, junction can, grounding, ground rods, testing, wiring, |

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- connector kits, backfill, identification, temporary conduit and conductors, labor and etc. for a complete working system in place. – Price per each
- Item L-126-4 Relocate existing size 2, 3 module guidance sign with new concrete base in earth/rock complete. Includes excavation, removal of existing concrete base, new high early concrete base, rock, sawcutting, backfill, rebar, steel cover, tethers, relocation of sign, lamps, **new sign panels**, transformers, hardware, conduits, conductors, counterpoise, junction can, grounding, ground rods, testing, wiring, carbon steel bolts, connector kits, backfill, identification, temporary conduit and conductors, labor and etc. for a complete working system in place. – Price per each
- Item L-126-5 Relocate existing size 2, 4 module guidance sign with new concrete base in earth/rock complete. Includes excavation, removal of existing concrete base, new high early concrete base, rock, sawcutting, backfill, rebar, steel cover, tethers, relocation of sign, lamps, transformers, hardware, conduits, conductors, counterpoise, junction can, grounding, ground rods, testing, wiring, connector kits, carbon steel bolts, backfill, identification, temporary conduit and conductors, labor and etc. for a complete working system in place. – Price per each
- Item L-126-6 New size 2, 1 module LED guidance sign and concrete base installed in earth/rock complete. Includes excavation, high early concrete base, rebar, steel cover, tethers, sign panels, sign, lamps, transformers, hardware, conduits, conductors, counterpoise, junction can, grounding, ground rods, testing, carbon steel bolts, wiring, connectors, backfill, sod restoration, identification, labor and etc. for a complete working system in place. – Price per each
- Item L-126-7 New size 2, 2 module LED guidance sign and concrete base installed in earth/rock complete. Includes excavation, high early concrete base, rebar, steel cover, tethers, sign panels, sign, lamps, transformers, hardware, conduits, conductors, counterpoise, junction can, grounding, ground rods, testing, carbon steel bolts, wiring, connectors, backfill, sod restoration, identification, labor and etc. for a complete working system in place. – Price per each
- Item L-126-8 New size 2, 3 module LED guidance sign and concrete base installed in earth/rock complete. Includes excavation, high early concrete base, rebar, steel cover, tethers, sign panels, sign, lamps, transformers, hardware, conduits, conductors, counterpoise, junction can, grounding, ground rods, testing, carbon steel bolts, wiring, connectors, backfill, sod restoration, identification, labor and etc. for a complete working system in place. – Price per each
- Item L-126-9 New size 2, 4 module LED guidance sign and concrete base installed in earth/rock complete. Includes excavation, high early concrete base, rebar, steel cover, tethers, sign panels, sign, lamps, transformers, hardware, conduits, conductors, counterpoise, junction can, grounding, ground

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- rods, testing, carbon steel bolts, wiring, connectors, backfill, sod restoration, identification, labor and etc. for a complete working system in place. – Price per each
- Item L-126-10 Intercept existing sign pad in earth, connect to conduit system and extend circuit accordingly. Includes excavation, core drill and repair can, backfill, sign transformer, lamps, concrete, pavement repair, conductor removal and replacement, splice kits, labor and etc. for a complete working system in place. – Price Per Each
- Item L-126-11 Repanel existing size 2, 1 module guidance sign. Includes new legend panels, new message dividers, hardware, new lamps, new transformer, identification, connector kits, labor and etc. complete in place. – Price per each
- Item L-126-12 Repanel existing size 2, 2 module guidance sign. Includes new legend panels, new message dividers, hardware, new lamps, new transformer, identification, connector kits, labor and etc. complete in place. – Price per each
- Item L-126-13 Repanel existing size 2, 3 module guidance sign. Includes new legend panels, new message dividers, hardware, new lamps, new transformer, identification, connector kits, labor and etc. complete in place. – Price per each
- Item L-126-14 Repanel existing size 5, runway distance remaining sign. Includes new legend panels, hardware, new lamps, new transformer, identification, connector kits, labor and etc. complete in place. – Price per each

END OF ITEM L-126