



# MANATEE COUNTY FLORIDA

February 3, 2010

TO: To All Interested Bidders

RE: IFB #10-0795TR – Roadway Lighting LED Retrofit

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## ADDENDUM #2

Bidders are hereby notified that this Addendum shall be acknowledged on Page 22 of the Bid Form, and made a part of the above named bid documents. Bids submitted without acknowledgment of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid documents. These items shall have the same force and effect as the original bidding and contract documents and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date shall conform to the additions and revisions listed herein.

### 1. Clarifications:

- a. This bid is for material ONLY.
- b. C.01 PURPOSE: Should read, “Manatee County will replace 1,178 existing (County owned) quantity of 88 - 200 watt, quantity of 91 - 250 watt and quantity of 999 - 400 watt High Pressure Sodium (HPS) roadway lighting fixtures with an LED equivalent fixture. The project would affect various segments of county maintained roadways and intersections (see Exhibit A for further specifications).
- c. The LED lighting installation shall be done by County staff.
- d. **D. TECHNICAL SPECIFICATIONS FOR LED STREET LIGHTING**
  - i. The technical specifications listed are for the equivalent replacement of 200 watt HPS lamps and fixtures. The 250 and 400 watt may be different. Vendor to supply all parameters for each type of replacement.
  - ii. Under Minimum Standard column, replace “Vendor to Provide” to read “Vendor Must Provide”.
- e. Light levels must comply with IES RP-8-00 and AASHTO guidelines.

- f. Set time delays are NOT required.
  - g. Bid Bond is NOT required.
  - h. Only the "Turnpike" fixtures have NO arms. The others have arms but the length is negligible.
  - i. All lights/poles are on one side, as per Exhibit "A".
  - j. Two model types are required: Cobra and Turnpike.
  - k. Multiple deliveries of a minimum of 100 units at a time are required. Estimated install rate is 100 per month, but, may vary due to unforeseen circumstances beyond our control.
2. New BID FORM (page 22) is attached to the addendum.

**Reminder: Bid Due date is - February 16, 2010, 3:00 PM**

Sincerely,

A handwritten signature in blue ink, appearing to read "R C Cuthbert", with a long horizontal flourish extending to the right.

R. C. "Rob" Cuthbert, C.P.M.  
Purchasing Division Manager

Attachments

## D. TECHNICAL SPECIFICATIONS FOR LED STREET LIGHTING

### GENERAL REQUIREMENTS:

- Established company currently manufacturing LED street light fixtures
- Provide contact information for 3 municipalities where the fixtures are currently being used
- Provide onsite, hands on installation training
- Provide LED manufacturer/source information
- Provide partial shipments of fixtures on a monthly basis (maximum of 100 fixtures per month)
- Must comply with requirements of the American Recovery and Reinvestment Act of 2009
- Grey Powder coated, aluminum fixture housing/non decorative

Description	Minimum Standard	Vendor Response
LED Drive Current	max 600mA	
Input Voltage Range	120-277V	
Input Frequency	60Hz	
Total Harmonic Distortion (at full load)	<20%	
Power Factor (at full load)	>90%	
LED Manufacturer & Model #	Vendor Must Provide	
LED's Max Rated Temperature Junction (Tj)	Vendor Must Provide	
LED Junction Temperature @	25°C / 77°F @350mA & 525mA 40°C / 104°F @350mA & 525mA	
Surge Protection, MOV Class "C"	10Kv	
MOV Fail Position	ON	
Color Temperature Range	4,000 to 5,500	
CRI	>65	
Luminous efficiency	57Lm/W @ 700mA	
Light Distribution Type (Roadway)	II or III	
.ies Files Available	Vendor Must Provide	
LM-79's	Vendor Must Provide	
LM-80	Vendor Must Provide	
B.U.G. Rating	Vendor Must Provide	
Light Loss Factor @ 50,000 hrs & justification	Required	
Twist lock Photocell Receptacle	Required	
Lead free / RoHs Compliant	Required	
Manufactured in Certified RoHs facility	Yes/No	
Mounting (Roadway)	1 1/4" to 2"	
Warranty, driver, LED's & Housing	5 Year Total Warranty (min.)	
LED Device Manufacturer	Vendor Must Provide	
Passive Heat Dissipation System	Required	
System Wattages	Vendor Must Provide	
IP-65 rating or higher	Required	

**Return this page with Bid Form**

AUTHORIZED SIGNATURE: \_\_\_\_\_

\_\_\_\_\_ DATE: \_\_\_\_\_  
(Print Name & Title of Signer)

**EXHIBIT "A"**  
 Addendum #2 IFB #10-0795TR  
 Street Light Inventory

POLE NUMBER	LOCATION	FIXTURE	WATTAGE	APPROX. HEIGHT	SPACING	SETBACK	RP8 CLASSIFICATION	DIST. TYPE (Pattern)	QUANTITY
HH8	5004 18 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH9	5009B 18 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH10	18 ST W @ 51 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH11	5108 18 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH12	5115 18 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH13	18 ST W @ 52 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH14	5203 52 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH15	19 ST W @ 46 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH16	4609 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH17	19 ST W @ 47 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH18	19 ST W @ 48 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH19	4806 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH20	19 ST W @ 49 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH21	4907B 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH22	5000 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH23	5007 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH24	19 ST W @ 51 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH25	5108 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH26	5115 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH27	5202 19 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH28	19 ST W @ 52 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH29	4431 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH30	4514A 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH31	4519 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH32	20 ST W @ 46 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH33	4610 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH34	20 ST W @ 47 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH35	20 ST W @ 48 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH36	4805B 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH37	20 ST W @ 49 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH38	4905 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH39	5004 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH40	5012 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH41	20 ST W @ 51 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH42	5106 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH43	5112 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH44	5121 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH45	20 ST W @ 52 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH46	5216 20 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH47	21 ST W @ 46 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH48	4611 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH49	21 ST W @ 47 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH50	21 ST W @ 48 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH51	4809 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH52	21 ST W @ 49 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH53	4909 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH54	5004 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH55	5011 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH56	21 ST W @ 51 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH57	5106 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH58	5115 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH59	5119 21 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH60	2020 52 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH61	WEST OF 20 ST W ON 52 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH62	22 ST W @ 47 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH63	22 ST W @ 48 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH64	4808 22 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH65	22 ST W @ 49 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH66	4908 22 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH67	5003 22 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH68	5012 22 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH69	51 AVE W @ 22 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH70	48 AVE W @ 23 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH71	4807 23 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH72	23 ST W @ 49 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH73	4910 23 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH74	5006 23 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH75	5011 23 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH76	23 ST W @ 51 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH77	2209 47 AVR DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH78	24 ST W @ 47 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH79	24 ST W @ 48 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH80	4807 24 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH81	24 ST W @ 49 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH82	2311 49 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH83	4910 24 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH84	5003 24 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH85	5010 24 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH86	5016 24 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH87	2506 47 AVE DR W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1

**EXHIBIT "A"**  
 Addendum #2 IFB #10-0795TR  
 Street Light Inventory

POLE NUMBER	LOCATION	FIXTURE	WATTAGE	APPROX. HEIGHT	SPACING	SETBACK	RP8 CLASSIFICATION	DIST. TYPE (Pattern)	QUANTITY
HH88	2505 48 AVE W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH89	48 AVE W @ 25 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH90	4805 25 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH91	49 AVE W @ 25 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH92	49 AVE W EAST OF 26 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH93	47 AVE DR W @ 26 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH94	48 AVE W @ 26 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
HH95	49 AVE W @ 26 ST W	COBRA	200	25FT	N/A	7FT	N/A	TYPE II	1
101	5 ST E @ 61 AVE E NW CORNER	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
105	END OF EL CONQUISTADOR PKWY	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
106	9 ST W @ 65 AVE W	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
107	COUNTRY OAKS BLVD @ CYPRESS LAKES DR	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
109	31 ST E @ 38 AVE E	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
111	9 ST E @ 37 AVE E	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
112	5 ST W @ 27 AVE W	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
117	PALM VIEW RD @ US41	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
118	56 AVE W @ 28 ST W	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
119	56 AVE W @ 27 ST W	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
120	45 ST W @ 13 AVE W	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
124	END OF PINEY POINT RD	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
125	PALMA SOLA BLVD @ ALHAMBRA	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
139	UPPER MANATEE RIVER RD @ RYE RD	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
142	TALLEVAST RD @ 9 ST E S/E CORNER	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
143	5 ST E @ 59 AVE E NW CORNER	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
144	63 AVE E @ 9 ST E NW CORNER	COBRA	250	25FT	N/A	7FT	N/A	TYPE II	1
i15420SW	9 ST E @ 13 AVE E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i15432	301 BLVD @ 9 ST E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	4
i15489NE	43 ST W @ 9 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i15493NE	39 ST W @ 9 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i15600NW	59 ST W @ 11 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i15794NW	59 ST W @ 17 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16074SE	26 ST W @ BAYSHORE GARDENS PKWY	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16074NW	26 ST W @ BAYSHORE GARDENS PKWY	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16078SE	53 AVE W @ 26 ST W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16108SW	9 ST E @ 26 AVE E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16112NW	26 AVE E @ 27 ST E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16199SW	9 ST E @ 30 AVE E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16296SW	34 ST W @ BAYSHORE GARDENS PKWY	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16296NW	34 ST W @ BAYSHORE GARDENS PKWY	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16297SW	34 ST W @ 53 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16297NW	34 ST W @ 53 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16307SW	34 ST W @ BAYSHORE HIGH	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16307NW	34 ST W @ BAYSHORE HIGH	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16687NW	9 ST E @ 57 AVE E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16693NW	34 ST W @ 57 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16693SW	34 ST W @ 57 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16739SW	59 ST W @ 22 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16878NE	75 ST W @ 18 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16878SE	75 ST W @ 18 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i17022SE	FLORIDA BLVD @ CANADA ST	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i18885SW	34 ST W @ 60 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i18885NW	34 ST W @ 60 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i19275NW	53 AVE W @ 20 ST W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i19300	53 AVE W @ 36 ST W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	4
i19305NW	53 AVE W @ 66 ST W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i19540NE	75 ST W @ 29 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i19540SE	75 ST W @ 29 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i20050	University Pkwy @ Lakewood Ranch Blvd	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	4
i23348NE	26 ST W @ 57 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i23353SE	26 ST W @ 60 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i17177NW	WHITFIELD AVE GOLF CART CROSSING	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i30629	53 AVE W @ 43 ST W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	4
i30725NE	301 BLVD @ 15 ST E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i37346NW	University PKWY @ MARKET ST	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i37346SW	University PKWY @ MARKET ST	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i37346NE	University PKWY @ MARKET ST	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i37807	University Pkwy @ Town Center Pkwy	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	4
i493SE	53 AVE E @ 9 ST E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i493SW	53 AVE E @ 9 ST E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i525NW	Ellenton Gillette Rd @ 17 ST E	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16230SW	9 ST W @ 30 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i16230NE	9 ST W @ 30 AVE W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i30794	University Pkwy @ Legacy Blvd	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	4
i889SE	301 BLVD @ 9 ST EXT.	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i889NW	301 BLVD @ 9 ST EXT.	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i17186NW	301 BLVD @ 3 ST W	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i8200	Lakewood Ranch Blvd @ Natures Way	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	1
i18896	Lakewood Ranch Blvd @ Center Ice Pkwy	COBRA	250	30FT	N/A	7FT	N/A	TYPE II	4
100	5 ST E @ 57 AVE E SW CORNER	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
102	60 AVE E @ 1 ST E SW CORNER	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1

**EXHIBIT "A"**  
 Addendum #2 IFB #10-0795TR  
 Street Light Inventory

POLE NUMBER	LOCATION	FIXTURE	WATTAGE	APPROX. HEIGHT	SPACING	SETBACK	RP8 CLASSIFICATION	DIST. TYPE (Pattern)	QUANTITY
103	61 AVE E @ 9 ST E SE CORNER	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
108	27 ST E @ 38 AVE E	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
113	SALLY LEE DR @ US301	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
114	LINDEN DR @ US301	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
123	7 AVE DR W @ 59 ST W	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
126	53 AVE W @ 75 ST W S/E CORNER --REMOVED	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
127	US41 @ 69 ST E	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
128	51 ST W @ 50 AVE W	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
129	51 ST W @ END OF GUARD RAIL	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
130	51 ST W @ 52 AVE W	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
131	43 ST W @ 45 ST W	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
132	43 ST W @ 52 PL W	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
133	WHITFIELD AVE EXT @ OLD FARM RD	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
134	WHITFIELD AVE EXT @ OLD FARM RD	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
135	WHITFIELD AVE EXT @ TIMBERLAKE DR	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
136	WHITFIELD AVE EXT @ TIMBERLAKE DR	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
137	WHITFIELD AVE EXT @ GARDENS DR	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
138	WHITFIELD AVE @ 43 CT E	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
140	53 AVE W @ 75 ST W S/E CORNER	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
141	53 AVE W @ 75 ST W NW CORNER	COBRA	400	25FT	N/A	7FT	N/A	TYPE II	1
16A1 THRU 16A20	59 ST W FROM 8 AVE DR W TO SOUTH	COBRA	400	40FT	240	15	COLLECTOR	TYPE III	20
17A1 THRU 17A11	FROM LC TO THE NORTH	COBRA	400	40FT	250	20	COLLECTOR	TYPE III	11
17B1 THRU 17B11	FROM LC TO THE SOUTH	COBRA	400	40FT	250	20	COLLECTOR	TYPE III	11
33A1 THRU 33A11	LAKEWOOD RANCH BLVD S OF SR64 WEST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	11
33B1 THRU 33B13	LAKEWOOD RANCH BLVD S OF SR64 WEST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	13
33C1 THRU 33C10	LAKEWOOD RANCH BLVD S OF SR64 EAST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	10
33D1 THRU 33D14	LAKEWOOD RANCH BLVD S OF SR64 EAST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	14
34A1 THRU 34A7	LAKEWOOD RANCH BLVD WEST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	7
34B1 THRU 34B8	LAKEWOOD RANCH BLVD WEST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	8
34C1 THRU 34C9	LAKEWOOD RANCH BLVD EAST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	9
34D1 THRU 34D7	LAKEWOOD RANCH BLVD EAST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	7
35A1 THRU 35A8	LAKEWOOD RANCH BLVD WEST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	8
35B1 THRU 35B9	LAKEWOOD RANCH BLVD WEST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	9
35C1 THRU 35C8	LAKEWOOD RANCH BLVD EAST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	8
35D1 THRU 35D9	LAKEWOOD RANCH BLVD EAST SIDE	COBRA	400	40FT	350	15	COLLECTOR	TYPE III	9
38A1 THRU 38A16	FROM LC TO THE NORTH	COBRA	400	40FT	200	10	COLLECTOR	TYPE III	16
38B1 THRU 38B17	FROM LC TO THE SOUTH	COBRA	400	40FT	200	10	COLLECTOR	TYPE III	17
39A1 THRU 39A3	WEST SIDE OF 9 ST E	TURNPIKE	400	50FT	250	10	COLLECTOR	TYPE III	3
39B1 THRU 39B2	WEST SIDE OF 9 ST E	TURNPIKE	400	50FT	250	10	COLLECTOR	TYPE III	2
40A1 THRU 40A3	WEST SIDE OF 9 ST E	TURNPIKE	400	50FT	230	10	COLLECTOR	TYPE III	3
40B1 THRU 40B4	WEST SIDE OF 9 ST E	TURNPIKE	400	50FT	230	10	COLLECTOR	TYPE III	4
40C1 THRU 40C4	WEST SIDE OF 9 ST E	TURNPIKE	400	50FT	230	10	COLLECTOR	TYPE III	4
40D1 THRU 40D4	WEST SIDE OF 9 ST E	TURNPIKE	400	50FT	230	10	COLLECTOR	TYPE III	4
41A1 THRU 41A4	WEST SIDE OF 9 ST E	TURNPIKE	400	50FT	170	15	COLLECTOR	TYPE III	4
42A1 THRU 42A7	FROM LC TO SR70 ON WEST SIDE	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	7
42B1 THRU 42B8	FROM LC TO SR70 ON EAST SIDE	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	8
43A1 THRU 43A13	FROM LC TO 56 AVE TERR E	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	13
43B1 THRU 43B14	FROM LC TO THE SOUTH	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	14
44A1 THRU 44A14	FROM LC TO THE NORTH	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	14
44B1 THRU 44B13	FROM LC TO THE SOUTH	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	13
45A1 THRU 45A14	FROM LC TO THE NORTH	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	14
45B1 THRU 45B9	FROM LC TO THE SOUTH	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	9
46A1 THRU 46A9	FROM LC TO THE SOUTH	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	9
46B1 THRU 46B19	FROM LC TO SOUTH OF UNIVERSITY PKWY	COBRA	400	45FT	200	10	COLLECTOR	TYPE III	19
48A1 THRU 48A9	FROM LC TO THE NORTH	COBRA	400	40FT	240	15	COLLECTOR	TYPE III	9
48B1 THRU 48B13	FROM LC TO THE SOUTH	COBRA	400	40FT	240	15	COLLECTOR	TYPE III	13
51A1 THRU 51A16	FROM LC TO THE EAST	COBRA	400	40FT	175	10	COLLECTOR	TYPE III	16
51B1 THRU 51B9	FROM LC TO THE WEST	COBRA	400	40FT	175	10	COLLECTOR	TYPE III	9
52A1 THRU 52A16	FROM LC TO THE EAST	COBRA	400	40FT	175	10	COLLECTOR	TYPE III	16
52B1 THRU 52B20	FROM LC TO THE WEST	COBRA	400	40FT	175	10	COLLECTOR	TYPE III	20
53A1 THRU 53A4	29 AVE W FROM 75 ST W TO 72 ST CT W	COBRA	400	35FT	250	10	LOCAL	TYPE III	4
54A1 THRU 54A3	29 AVE W FROM 71 ST W TO 72 ST W	COBRA	400	35FT	250	10	LOCAL	TYPE III	3
55A1 THRU 55A27	FROM LC TO THE NORTH	COBRA	400	45FT	110	15	LOCAL	TYPE III	27
55B1 THRU 55B28	FROM LC TO THE NORTH	COBRA	400	45FT	110	15	LOCAL	TYPE III	28
56A1 THRU 56A4	FROM US301 EAST TO R/R TRACKS	COBRA	400	30FT	200	10	COLLECTOR	TYPE III	4
57A1 THRU 57A9	FROM LC EAST TO 27 ST E	COBRA	400	30FT	200	10	COLLECTOR	TYPE III	9
57B1 THRU 57B14	FROM LC EAST TO PROSPECT RD	COBRA	400	30FT	200	10	COLLECTOR	TYPE III	14
58A1 THRU 58A13	FROM LC EAST TO LOCKWOOD RIDGE RD	COBRA	400	30FT	200	10	COLLECTOR	TYPE III	13
59A1 THRU 59A24	HONORE AVE NORTH UNIVERSITY PKWY	COBRA	400	30FT	200	10	LOCAL	TYPE III	24
59B1 THRU 59B24	HONORE AVE NORTH UNIVERSITY PKWY	COBRA	400	30FT	200	10	LOCAL	TYPE III	24
59C1 THRU 59C30	HONORE AVE NORTH UNIVERSITY PKWY	COBRA	400	30FT	200	10	LOCAL	TYPE III	30
60A1 THRU 60A30	HONORE AVE	COBRA	400	30FT	200	10	LOCAL	TYPE III	30
68A1 THRU 68A9	FROM LC TO THE WEST	COBRA	400	40FT	200	20	LOCAL	TYPE III	9
68B1 THRU 68B8	FROM LC TO THE EAST	COBRA	400	40FT	200	20	LOCAL	TYPE III	8
68C1 THRU 68C8	FROM THE LC TO THE WEST	COBRA	400	40FT	200	20	LOCAL	TYPE III	8
68D1 THRU 68D8	FROM THE LC TO THE EAST	COBRA	400	40FT	200	20	LOCAL	TYPE III	8
69A1 THRU 69A14	ON HONORE AVE IN MEDIAN EAST OF LOCKWOOD	TURNPIKE	400	40FT	140	10	LOCAL	TYPE III	14
69B1 THRU 69B14	SAME AS ABOVE	TURNPIKE	400	40FT	140	10	LOCAL	TYPE III	14
69C1 THRU 69C58	SAME AS ABOVE	TURNPIKE	400	40FT	140	10	LOCAL	TYPE III	58
70A1 THRU 70A12	on 44 AVE E from L/C west to Lakewood Ranch Blvd	COBRA	400	40FT	185	20	LOCAL	TYPE III	12

**EXHIBIT "A"**  
 Addendum #2 IFB #10-0795TR  
 Street Light Inventory

POLE NUMBER	LOCATION	FIXTURE	WATTAGE	APPROX. HEIGHT	SPACING	SETBACK	RP8 CLASSIFICATION	DIST. TYPE (Pattern)	QUANTITY
70B1 THRU 70B5	on 44 AVE E from L/C east to end of road	COBRA	400	40FT	185	20	LOCAL	TYPE III	5
70C1 THRU 70C12	on 44 AVE E from L/C west to Lakewood Ranch Blvd	COBRA	400	40FT	185	20	LOCAL	TYPE III	12
70D1 THRU 70D4	on 44 AVE E from L/C east to end of road	COBRA	400	40FT	185	20	LOCAL	TYPE III	4
71A1 THRU 71A6	on 44 AVE E from L/C west to end of road	COBRA	400	40FT	185	20	LOCAL	TYPE III	6
71B1 THRU 71B11	on 44 AVE E from L/C east on north side of road	COBRA	400	40FT	185	20	LOCAL	TYPE III	11
71C1 THRU 71C12	on 44 AVE E from L/C east on south side of road	COBRA	400	40FT	185	20	LOCAL	TYPE III	12
71D1 THRU 71D6	on 44 AVE E from L/C west to end of road	COBRA	400	40FT	185	20	LOCAL	TYPE III	6
72A1 THRU 72A10	FROM LC WEST TO LRB ON SOUTH SIDE	COBRA	400	40FT	200	20	COLLECTOR	TYPE III	10
72B1 THRU 72B11	FROM LC EAST TO POPE RD ON SOUTH SIDE	COBRA	400	40FT	200	20	COLLECTOR	TYPE III	11
72C1 THRU 72C10	FROM LC WEST TO LRB ON NORTH SIDE	COBRA	400	40FT	200	20	COLLECTOR	TYPE III	10
72D1 THRU 72D11	FROM LC EAST TO POPE RD ON NORTH SIDE	COBRA	400	40FT	200	20	COLLECTOR	TYPE III	11
73A1 THRU 73A8	FROM LC TO SR70 ON WEST SIDE	COBRA	400	40FT	250	20	COLLECTOR	TYPE III	8
73B1 THRU 73B10	FROM LC TO SR70 ON EAST SIDE	COBRA	400	40FT	250	20	COLLECTOR	TYPE III	10
73C1 THRU 73C13	FROM LC TO END OF ROAD ON WEST SIDE	COBRA	400	40FT	250	20	COLLECTOR	TYPE III	13
73D1 THRU 73D12	FROM LC TO END OF ROAD ON EAST SIDE	COBRA	400	40FT	250	20	COLLECTOR	TYPE III	12
76A1 THRU 76A22	Bayshore Gdns Pkwy from Dartmouth Dr East to US41	COBRA	400	40FT	160	10	COLLECTOR	TYPE III	22
76B1 THRU 76B28	Bayshore Gdns Pkwy from LC East to Dartmouth Dr	COBRA	400	40FT	160	10	COLLECTOR	TYPE III	28
76C1 THRU 76C30	Bayshore Gdns Pkwy from LC West to 34 ST W	COBRA	400	40FT	160	10	COLLECTOR	TYPE III	30

**BID FORM IFB #10-0795TR Roadway Lighting LED Retrofit**

***(Submit in Triplicate)***

TO: Manatee County Purchasing  
1112 Manatee Avenue West  
Bradenton, Florida 34205

1. 88 - 200watt LED Lights and Fixtures (price/unit) \$ \_\_\_\_\_
  2. 91 - 250watt LED Lights and Fixtures (price/unit) \$ \_\_\_\_\_
  3. 999 - 400watt LED Lights and Fixtures (price/unit) \$ \_\_\_\_\_
  4. Delivery cost (minimum 100 units/delivery/month) \$ \_\_\_\_\_
- TOTAL COST (FOB Destination): \$ \_\_\_\_\_**

**Attach Technical Specifications list with this Bid Form.**

We, the undersigned, hereby declare that we have carefully reviewed the bid documents, and with full knowledge and understanding of the aforementioned herewith submit this bid, meeting each and every specification, term and condition contained in this section.

We understand that the bid specifications, terms and conditions in their entirety shall be made a part of any agreement or contract between Manatee County and the successful bidder. Failure to comply shall result in contract default, whereupon, the defaulting vendor shall be required to pay for any and all re-procurement costs, damages, and attorney fees as incurred by the County.

COMPANY NAME: \_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_

\_\_\_\_\_  
(Print Name & Title of Signer)      DATE: \_\_\_\_\_

COMPANY ADDRESS: \_\_\_\_\_

\_\_\_\_\_

TEL. NO.: \_\_\_\_\_ FAX NO.: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Acknowledge Addendum No. \_\_\_\_ Dated: \_\_\_\_\_

Acknowledge Addendum No. \_\_\_\_ Dated: \_\_\_\_\_

Acknowledge Addendum No. \_\_\_\_ Dated: \_\_\_\_\_