



STRADA Group
Developing Solutions

STRADA Engineering and Consulting, LLC
5111 North 10th St., #366
McAllen, TX 78504

SEC Project Name:
SEC Project No.:

Monte Alto Community Solar Light Project
HPCT1-001

Date: October 17, 2019
Invoice No.: 1

Acct #: 9-1200-431-00-121-005-0-334
Requisition #: 392327

Work Authorization No. 1 (#C-19-070-04-23)
County of Hidalgo - Pct. 1
Invoice Period: from 5/9/19 thru 10/17/19

DESCRIPTION	ESTIMATED LINE ITEM BUDGET	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT DUE THIS INVOICE
LABOR FOR TECHNICAL WORK ACTIVITIES:					
1 Project Management /Admin.	\$ 5,128.50	75%	\$3,846.38	\$0	\$ 3,846.38
2 Design Criteria Coord.	\$ 1,590.00	100%	\$1,590.00	\$0	\$ 1,590.00
3 Plan Preparation	\$ 17,147.40	30%	\$5,144.22	\$0	\$ 5,144.22
4 Topo	\$ 4,240.00	50%	\$2,120.00	\$0	\$ 2,120.00
Sub Total (Labor)	\$28,105.90	45%	\$12,700.60	\$ -	\$ 12,700.60
OTHER DIRECT CHARGES (ODC) AND NON-LABOR					
Direct Expenses (trip to austin mileage)	\$0.00	100%	\$0.00	\$0	\$ -
Sub Total (ODC / NON-LABOR)	\$0.00	#DIV/0!	\$ -	\$ -	\$ -
TOTALS:	\$28,105.90	45%	\$ 12,700.60	\$ -	\$ 12,700.60
TOTAL INVOICE AMOUNT DUE					\$12,700.60

Invoice Back-up Check List:



Respectfully Submitted,

[Signature]

Name: Oscar Cancino, P.E.
Title: President



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Letter of Transmittal

To: Pepe Cabeza De Vaca
Hidalgo County Pct. 1

Date: October 17, 2019
ATTN: Finance / Purchasing

Routing Method	
US Mail	Certified
Lone Star overnight	
<input checked="" type="checkbox"/> Hand Delivered	
Fax	Email

WE ARE SENDING YOU

- | | | |
|-------------------|----------------|--------------|
| Drawings | Copy of Letter | Change Order |
| Specifications | Prints | Copies |
| <u>Submittals</u> | Plans | Samples |

Copies	Date	Pages	Description
1			Invoice No. 1 Monte Alto Community Solar Light Project
			WA 1 – C-19-070-04-23

THESE ARE TRANSMITTED as checked below:

- | | | |
|----------------------|------------------------|------------------------------------|
| For Approval | Approved as submitted | Resubmit ___ copies for approval |
| For your use | Approved as noted | Submit ___ copies for distribution |
| As requested per RFQ | Return for corrections | Returned ___ corrected prints |

Remarks

SIGNED *HC, PE.*

RECEIVED BY: *W. Pamela E. Peraz*
 RECEIVED ON: *10/25/19*

County of Hidalgo – Pct. 1
Monte Alto Community Solar Light Project
Task Report

Professional Engineering services provided thru 10/17/19.

Project Development

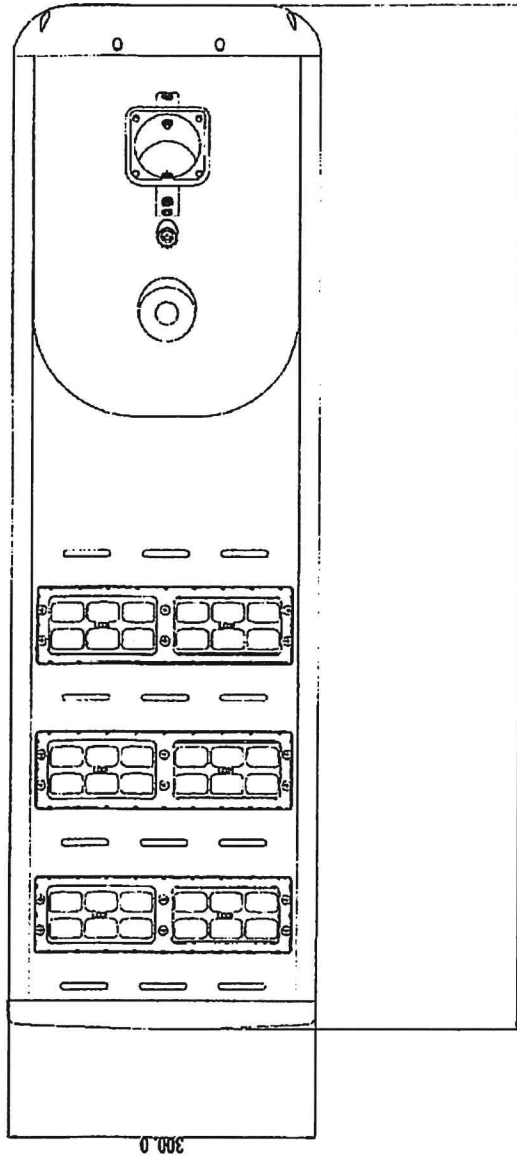
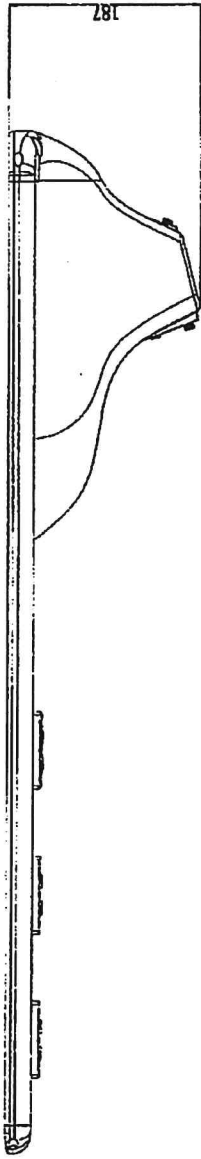
- Coordination with lighting system manufacturer for lighting specs.
- Creation of EIS file for modeling purposes with solar light specifications.
- Conducted field test of lighting system for proposed configuration.
- Developed lighting model for proposed locations and quantity of proposed lighting.
- Developed specifications for lighting package.

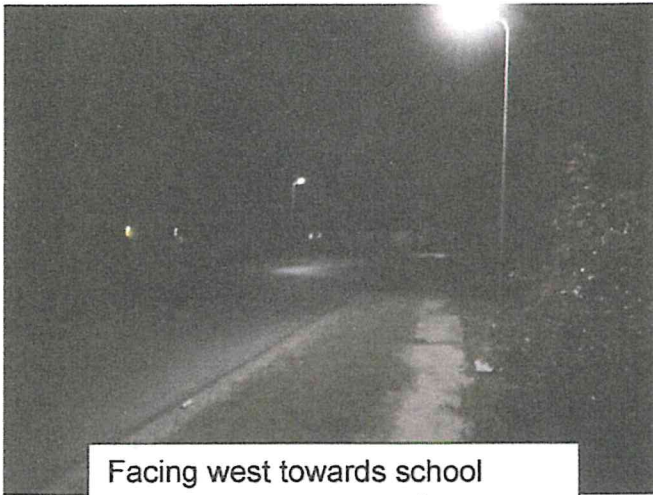
Programming / Agency Coordination

- Reviewed safety data with agency for vehicle accident locations.
- Identified sensitive or distressed areas.
- Continued coordination with utility owners for locate.

Design / Construction

- Created base cadd mapping for lighting layout.
- Review of roadway clearance requirements along with row data for proper light placement.
- Prepared preliminary cost estimates for planning, design, and bidding purposes.

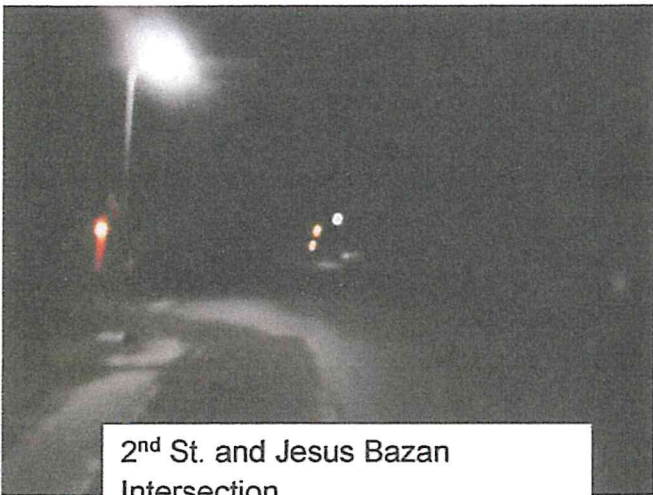




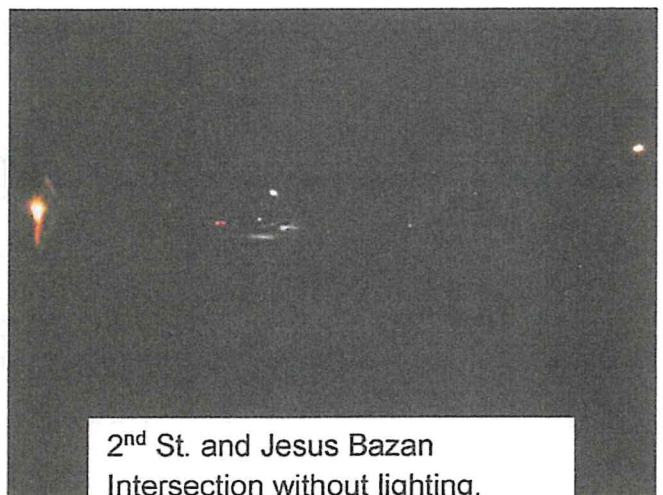
Facing west towards school
along Jesus Bazan (2nd St. Inter.)



2nd St. and Jesus Bazan
Intersection.



2nd St. and Jesus Bazan
Intersection.



2nd St. and Jesus Bazan
Intersection without lighting.

ENGINEER'S PRELIMINARY ESTIMATE					
PROJECT:		Monte Alto Community Solar Light Project			
PROJECT NUMBER:					
CLIENT:		Hidalgo County Pct 1			
GENERAL DESCRIPTION:		Proposed street solar light project.			
DATE:		10/10/2019			
BY:		Oscar Cancino, P.E.			
ITEM NO	ROADWAY ITEM DESCRIPTION	ESTIMATED QUANTITIES	UNIT	UNIT PRICE	ITEM TOTAL
100	Preparation ROW	6.50	STA	\$ 200.00	\$1,300.00
110	Excavation	-	CY	\$ 4.00	\$0.00
164	Hydromulch Seeding (Perm)(Watering included)	722.00	SY	\$ 0.75	\$541.50
247	Cut and Restore Pavement		SY	\$ 65.00	\$0.00
6240	Geogrid Ty 1 (Depending in Geo-Tech Report)		SY	\$ 90.00	\$0.00
314	Emulsified Asphalt (Prime Coat)		GAL	\$ 6.00	\$0.00
340	2" Asph. Conc. Pav. TY"D"		TON	\$ 120.00	\$0.00
502	Barricades, Signs & Traffic Handling	3.00	MO	\$ 3,500.00	\$10,500.00
508	Construction Exits (Ty 2)(INSTALL)		SY	\$ 13.00	\$0.00
506	Construction Exits (Ty 2)(Remove)		SY	\$ 4.00	\$0.00
506	Temp Sed. Control Fence (Install and remove)	650.00	LF	\$ 3.00	\$1,950.00
644	Small Rdspd Sgn Assm (Ty A)	65.00	EA	\$ 350.00	\$22,750.00
644	Small Rdspd Sgn Salvaged (Remove and Relocate)		EA	\$ 180.00	\$0.00
Roadway Amount:					\$37,041.50
ITEM NO	DRAINAGE ITEM DESCRIPTION	ESTIMATED QUANTITIES	UNIT	UNIT PRICE	ITEM TOTAL
402	Roadside Ditch Excavation		CY	\$ 8.00	\$0.00
460	18 " rcp	-	LF	\$ 55.00	\$0.00
460	36 " rcp	-	LF	\$ 65.00	\$0.00
530	42 " rcp	0.00	SY	\$ 75.00	\$0.00
530	48 " rcp	0.00	CY	\$ 85.00	\$0.00
530	60 " rcp		EA	\$ 105.00	\$0.00
402	Inlet TY C		EA	\$ 4,500.00	\$0.00
Drainage Amount					\$0.00
ITEM NO	MISCELLANEOUS ITEM DESCRIPTION	ESTIMATED QUANTITIES	UNIT	UNIT PRICE	ITEM TOTAL
560	Solar Light	65.00	EA	\$ 500.00	\$32,500.00
Miscellaneous Amount					\$32,500.00
Sub-Total					\$69,541.50
10% Contingency					\$6,954.15
Total Construction					\$76,495.65