

2020 Initiatives Proposal Form

Thank you for your interest in submitting a proposal to the 2020 Initiatives process.

Please complete this form, save it to your hard drive, then email a copy to Wojcik@ethelbert.com or contacted by the appropriate 2020 Initiative Team representative.

Proposals will be evaluated based on general criteria including the following:

- Broad impact
- Clearly addressing one of the four LEGS themes from the 2020 strategic plan
- Specific budget details provided
- Realistic outcomes identified
- Assessment measures specified

Please consider the following questions as helpful prompts:

How will Stockton, as a whole, benefit?

- How will Stockton, as a whole, benefit?

Expected Results

- How will you know if your project is a success?
- What are your anticipated outcomes and specific measurements for success?
- Does your proposal clearly indicate the person(s) or department(s) that

Strategic Theme (choose one)	
	Learning
	Engagement
	Global Perspectives
	Sustainability

Strategic Objectives: choose one primary (P) in main theme and up to three secondary (S) in any themes	
Learning	
Deliver high value-added learning experiences and promote scholarly activity (S1)	Reward scholarly applications (ER2)

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The tables below allow for summaries of about 350 words. Additional information can be included as an attachment.

Narrative Summary of Project

Assessment Plan: What are your anticipated outcomes and specific measurements for success?

Budget Summary

Item	FY201 July 1, 201 – June 30, 201	FY201 July 1, 201 – June 30, 201	FY201 July 1, 201 – June 30, 201	Notes/Comments (stipends, supplies, hospitality, etc.)
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A+Z

Specifications
 Connection
 Product
 Overview

- High solar power capacity of any charging station and power design that delivers depend on conditions
- 5-150 mobile devices per day (typical use)
- Tablets, laptops, cameras, other electronics
- Efficient system design includes high quality UL listed components for
- Weather resistant design, and a full range of engineering components for
- Available for public use. Low maintenance. 20 year life
- Multiple charging ports

Charging Specifications

- Capacity: 530 Watts DC
- Cycle time (days): 3.0
- Discharge rate: 50%
- Protection: Additional electrical receptacles & Surge Protection
- Voltage: 12.0 Volts DC
- Battery type: AGM Wh.1
- Features: Morningstar SureSine 00 (Island/Off-Grid)
- Charging controller: Morningstar TS-MPPT-45 (Maximum Current Cycle: Five (5) years/ 1000 cycles)
- Material: Structural steel components bonded to ground (rod)

Structural Specifications

- Material: 100% Powder Coated Structural Steel
- Finish: TM A-100 Grade B; Structural Steel -- Fabrication Supporting Tube; Thickness 3/16"
- Mounting: Gable & Benches, Perforated Steel
- Wind Rating: 90 MPH Self-Ballasted (no supports)
- Installation: Structural construction with easy-to-install (4) connection points
- Spacing: 24" center-to-center

Notes:

- See drawings for details
- See drawings for details

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¹ battery; additional loads can limit device charging power availability

601 Davisville
565-2746
info@theconnectable.com

0, Willow Grove, PA 19090 Phone 267-419-8496 • Fax: 215-

www.theconnectable.com

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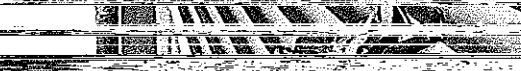
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AREA LIGHTING SYSTEM

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Features:

System Monitoring:

Local (at pole) access to digital display for system parameters/performance monitoring (real-time/archived data).

Remote access (via internet) to system parameters/performance monitoring (real-time/archived data).

Pole:

Each hexagonal shaped 6063 aluminum pole is formed by extruded from a PSRE custom designed die.

- The Pole height is 18' with a diameter of 5" (flat top) and wall thickness of 1/8".
- The exterior of the pole will be custom powder coated.

Wind Turbine:

The Vertical Axis Wind Turbine (VAWT) is designed and manufactured by PSIRE.

- The 6 poly carbonate blades (clear or tinted) are 38" in length by approx. 5" in width.
- The blades are mounted to two spindles that are machined from dense PVC.
- All mounting hardware is stainless steel.
- The copper (powder coated) turbine shaft is 1" in length by 1" in diameter.

Solar Panel Frame:

The Solar Panel Frame is designed and manufactured by PSIRE.

- The decorative frame is machined from dense PVC.
- All mounting hardware is stainless steel.

Specifications:

Flexible Solar Panel:

- Cell Type - Mono Crystalline
- Output Voltage - 12vdc
- Peak Power output 140w
- Efficiency is approx. 23%
- The panel dimensions are approx. 43" x 31".

Led Array:

The LED Array is pyramid shaped which is uniquely suitable for the PSRE light fixture.

- Light Angle - 360%
- Life Span - 50,000hrs
- Power - 30w
- Lumen - 4,000lm
- Voltage - 12vdc

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eed is 100mph.
wind speed is 9-50mph

er is Hybrid (Wind/Solar).

digital display.
: 12vdc.

efp04 lithium deep cycle.

12vdc.

30ah batteries for a total capacity of 60ah.

st per pole: \$7,000.00

anty: 2 years Parts and Labor

uct Availability Terms:

quired upon receipt of Purchase Order.

ithin 90 days of receipt of Purchase Order.

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the trails the most, and around 27% of the surveys showed that the students wanted educational plaques across the campus. They mostly wanted to learn about the different species located on campus and to know about the different unique areas located on campus, such as the cedar swamp, vernal ponds, burned areas, and the student farm.

Using GPS technology while walking along the trails, coordinates were taken down and uploaded into GIS ArcMap. An aerial photo was taken of the campus and retrieved from the Stockton University website. The GPS coordinates were then layered on top of the base-map in order to create an accurate trail map. See appendix C. The first draft of this map is attached, but to ensure accuracy, this procedure will be repeated at least three times. This is to make sure the GPS was correct as well as to determine the exact distance of each trail. To preserve Stockton's wild spaces, only obvious trails were recorded for the proposed map, as to avoid unnecessary harassment of flora and fauna.

Data on wildlife species present on campus was sou U F H G I U R P ' U 7 U H G L F N ¶ V traps, taken over the last two years. This provides information on what species are present, where, and daily as well as seasonal activity habits.-Threatened and endangered species will not be pointed out, in order to avoid interference

Appendices
A: Blueprints

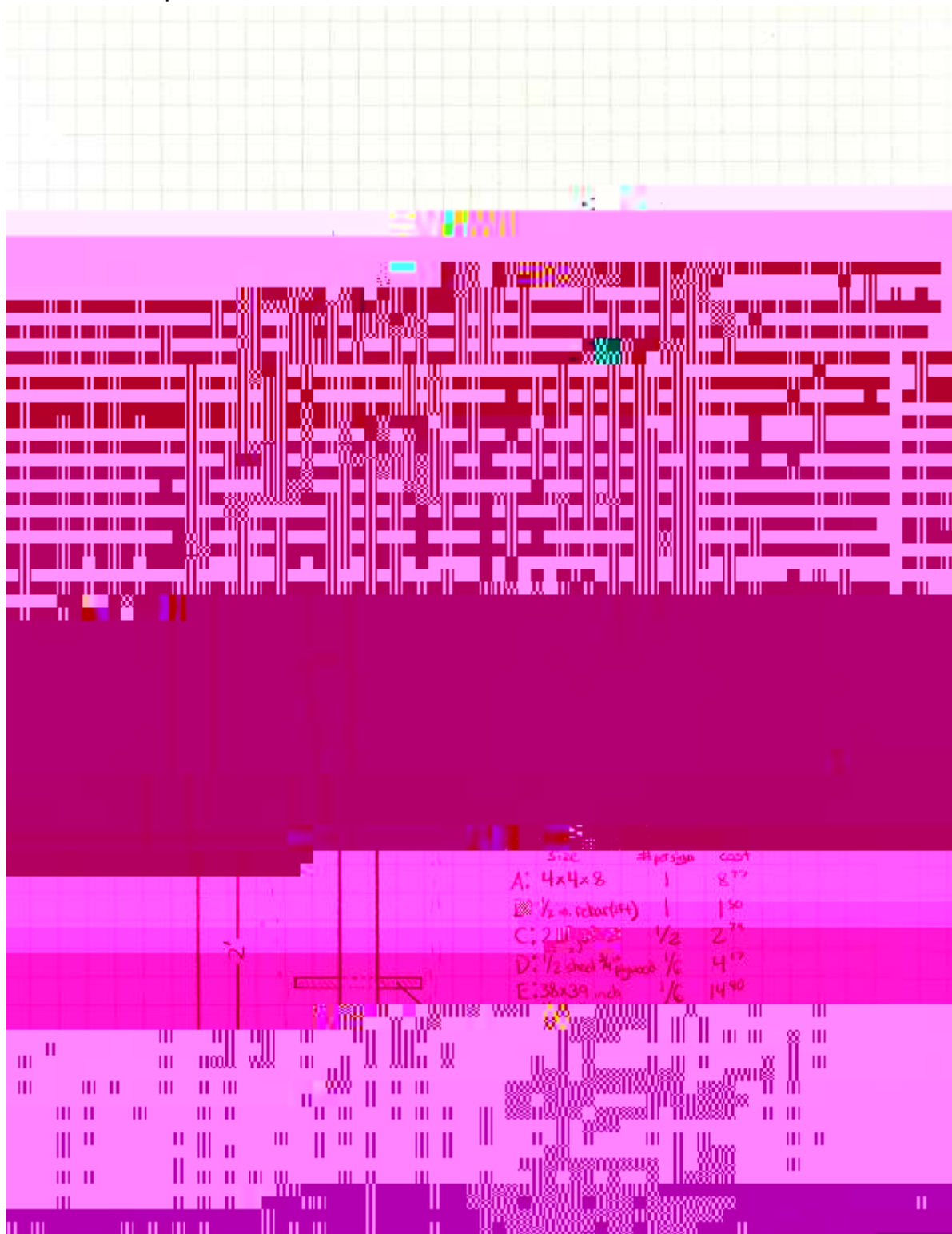


Figure 1: smaller educational plaques that will be located across trails

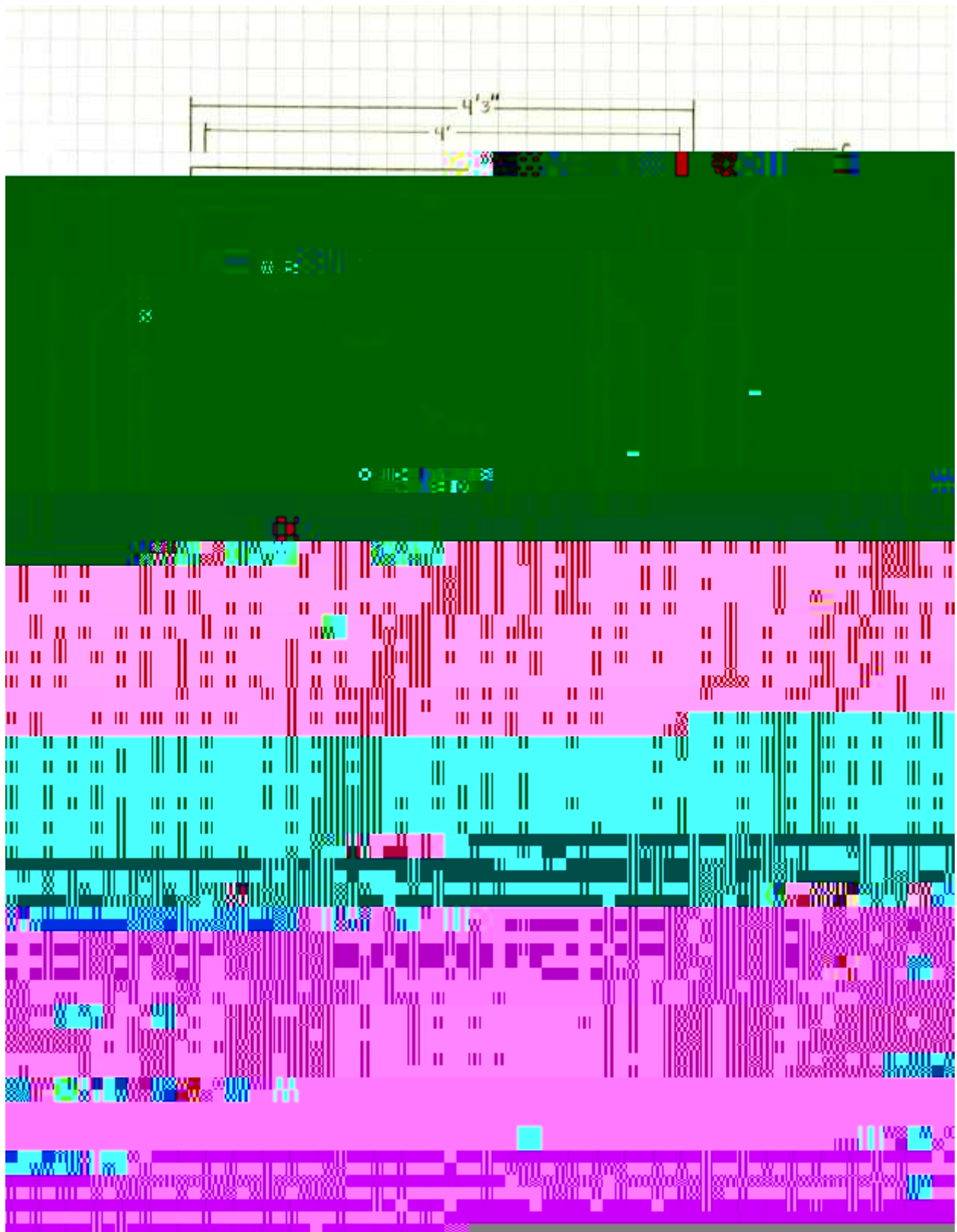


Figure 2: Blueprint design for head trail map

B: survey

C: map

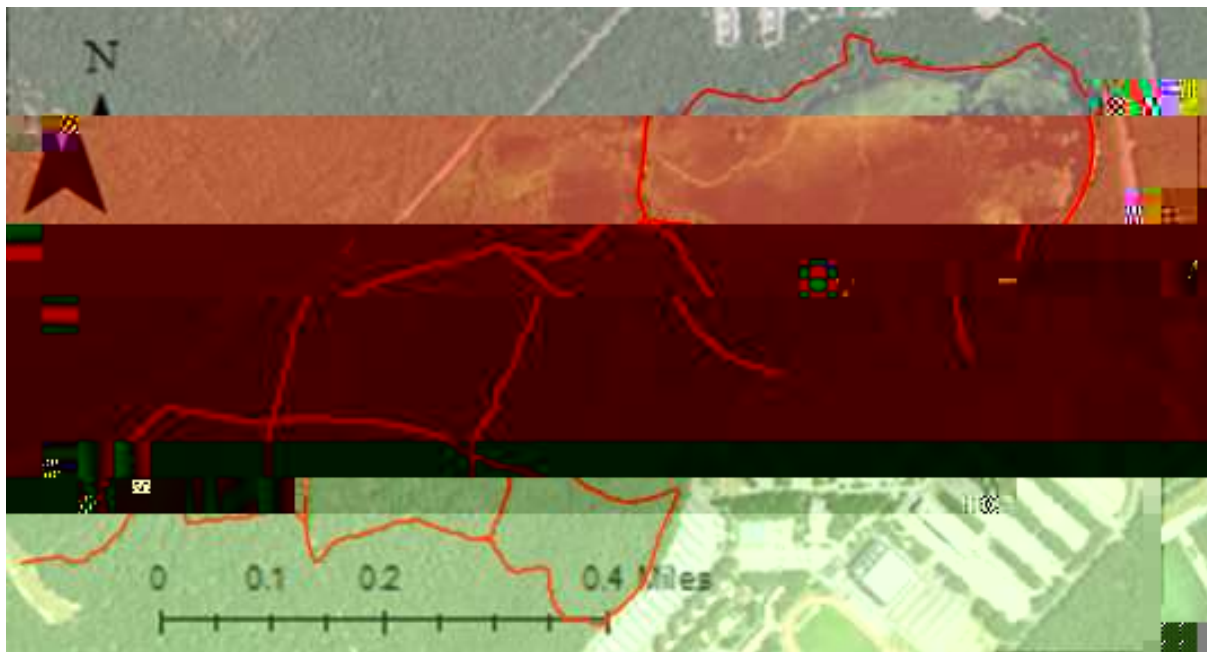


Figure 3: First attempt at mapping trails using gps and arcmap

D: budget costs.

1/2 sheet of 3/4 in plywood	\$4
38X39 in 1/4 in plexiglass	\$14.40

6 signs	6
2X10 liquid nails	\$ 7.64
3X10ox clear sealant	\$ 14.35

4x4x8 (2)	\$17.54
2x4x8 (2)	\$7.74
1x4x8 (2)	\$7.54
3/4 in thick plywood	\$24.98
1/4 in plexiglass (3'10"x2'10")	\$100.99
80 lb. concrete (4)	\$15.60
10oz clear window/door sealant)	\$6.45
10oz liquid nails	\$3.82

*If construction is not permitted link to buy sign below:

