

Electronics			
Item Name	Qty	CPU	Cost
Flysky Transmitter + Receiver	1	\$50.00	\$50.00
Assorted Wires (Donated)	0	\$55.00	\$0.00
Buck Converter 12V to 5V	1	\$5.00	\$5.00
Adafruit GPS breakout	1	\$40.00	\$40.00
Raspberry Pi 3	0	\$35.00	\$0.00
Arduino Uno (Donated)	0	\$25.00	\$0.00
Hard-Wired Controller (Borrowed)	0	\$38.00	\$0.00
Thermocouples (Donated)	0	\$5.00	\$0.00
Solderable Breadboard	2	\$4.00	\$8.00
Esp8266 wifi bridge	1	\$9.00	\$9.00
Alligator Test Leads	1	\$10.00	\$10.00
Subtotal Cost			\$122.00
Margin (20%)			\$24.40
Total Cost			\$146.40

Structure			
Item Name	Qty	CPU	Cost
Aluminum 6061-TG square tube stock	10	\$52.50	\$525.00
Aluminum 6061 plate stock	1	\$232.50	\$232.50
240 Piece Grip Nut and Bolt Assortment	2	\$13.99	\$27.98
ARRIS 3K Plain Weave Carbon Fiber (50"x150')	1	\$900.00	\$900.00
Coremat Laminate Bulker (39"x3')	52	\$10.35	\$538.20
Welding (Cost Per Hour)	6	\$100.00	\$600.00
Subtotal Cost			\$2,823.68
Margin (20%)			\$564.74
Total Cost			\$3,388.42

Powertrain/Steering			
Item Name	Qty	CPU	Cost
Slow Speed Geared Hub Motor (CXZ-M3)	8	\$95	\$760
Extruded Structural Aluminum Bare Angle 6061 T6 3"x3"x0.25" - 4 ft length	3	\$33.08	\$99.24
Batteries (Reused From Other Project)	0	\$0.00	\$0
Subtotal Cost			\$859.24
Margin (20%)			\$171.85
Total Cost			\$1,031.09

Cooling			
Item Name	Qty	CPU	Cost
Aluminum 1100 (24 gage)	4	\$21.98	\$87.92
Angled Aluminum 1/2" x 1/2" x 96"	4	\$5.26	\$21.04
Aluminum Pop Rivets 1/8" (100)	1	\$6.03	\$6.03
GE All Purpose Silicon Caulk	1	\$5.28	\$5.28
Air Filter	1	\$5.92	\$5.92
Delta (TFC1212DE)	1	\$10.14	\$10.14
ZFC39 v1.1	1	\$2.03	\$2.03
Subtotal Cost			\$138.36
Margin (20%)			\$27.67
Total Cost			\$166.03

Totals	
Item Name	Cost
Electronics	-\$146.40
Structure	-\$3,388.42
Powertrain and Steering	-\$1,031.09
Cooling	-\$166.03
Total Cost	-\$4,565.90
ME Department	+\$2,000
Subway Spirit Cards	+\$500
ASUH RIO Funding (Spring 2018)	Value Pending
TOTAL BALANCE	-\$2,065.90

Total Projected Budget: \$4,565.90

