Line Item	Part Number	Size	Quantity	Cost per Unit	Total Part Cost	Labor Hours	Cost per Labor Hour	Total Labor Cost	Total Cost	Lead Time (business day)	Vendor	Item Description	Notes
Arduino Board	A000066	-	1	$22.90	$22.90	0	$0.00	$0.00	$22.90	3 days	Arduino	Arduino UNO R3	https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6
Battery	EXP1270-2	12v	2	$33.99	$67.98	1	$50.00	$50.00	$117.98	3 days	ExpertPower	12V 7AH rechargeable SLA batteries (4x total)	Labor cost associated with installation consultation https://www.amazon.com/ExpertPower-Standard-Rechargeable-Battery-EXP1270-2/dp/B00AAZJ9Y8/ref=sr_1_3?dchild=1&keywords=24+volt+battery&qid=1616032971&sr=8-3
GoPro Hero7 Camera	CHDNH-B26	2.4" x 1.3" x 1.8"	1	$269.99	$269.99	0	$0.00	$0.00	$269.99	3 days	GoPro	Waterproof camera, 4K HD video, 12MP	https://www.amazon.com/GoPro-HERO7-Black-Battery-Commerce/dp/B08MCJK2TC/ref=sr_1_4?dchild=1&keywords=gopro&qid=1616030962&sr=8-4&th=1
Jumper Wires	EL-CP-004	-	2	$6.98	$13.96	0	$0.00	$0.00	$13.96	3 days	Elegoo	Jumper wires for making electrical connections, 40 m2m, 40 f2f, 40 m2f	https://www.amazon.com/Elegoo-EL-CP-004-Multicolored-Breadboard-arduino/dp/B01EV70C78/ref=sr_1_3?dchild=1&keywords=Arduino%2BWire&qid=1616033693&sr=8-3&th=1
LiDar	B07TJW5SXF	5.1" x 3.9" x 3.1"	2	$126.99	$253.98	0	$0.00	$0.00	$253.98	3 days	Slamtec	360 degree, 12 meter scanning radius LiDar detection	https://www.amazon.com/dp/B07TJW5SXF/?tag=linuxhint-20
Plexiglass Enclosure	-	8" x 10" x 12"	1	$143.26	$143.26	0	$0.00	$0.00	$143.26	12 days	Plexiboxes4u	Plexiglass enclosure with hinged lid for electrical component housing	https://www.plexiboxes4u.com/clear-acrylic-box-with-hinged-lid-custom-size
Remote Control & Receiver	-	-	1	$0.00	$0.00	0	$0.00	$0.00	$0.00	-	-	Bluetooth / wireless remote control and receiver	FSU faculty advisor will allow the design team to use assets owned by the school to facilitate this project
Rocker Bogie Runt Rover	RB-Sct-900	-	1	$69.99	$69.99	0	$0.00	$0.00	$69.99	14 days	ServoCity	Robot with rocker-bogie suspension	Rover template to learn how to implement rocker-bogie suspension https://www.robotshop.com/en/bogie-runt-rover.html?gclid=EAIaIQobChMInamQ9Ni47wIVCsiGCh1R4AjsEAQYASABEgLP2vD_BwE
Sheet Metal	65-316-4x8	4' x 8' 3/16" thick	1	$240.79	$240.79	3	$70.00	$210.00	$450.79	7 days	King Architectural Metals	3/16", 4' x 8' Hot Rolled steel sheet	Labor cost associated with potential welding needs to house components and build suspension linkages https://www.kingmetals.com/Catalog/ItemContent.aspx?ItemNumber=13204
Wheels	-	6" diameter	6	$109.00	$654.00	0	$0.00	$0.00	$654.00	21 days	Backfire Skateboards	Hub motor wheels with 6" offroad tires	https://backfireboardsusa.com/products/hub-motors-set-for-ranger-x2?variant=39421396385946
Total Cost:									**$1,996.85**				

Psyche Rover - Bill of Materials