

USDOT BUILD Grant - May 2020				
Lordstown Smart Logistics Hub - Cost Estimate				
Item	Quantity	Unit	Unit Cost	Total Cost
Capital Costs				
Intermodal Connection				
Rail	11,000	linear foot	\$250	\$2,750,000
Switches	6	each	\$100,000	\$600,000
Earthwork	28,258	cubic yard	\$10	\$282,578
Concrete track for Cranes	2,444	cubic yard	\$120	\$293,333
Subgrade Compaction	77,440	square yard	\$2	\$154,880
Aggregate (Gravel storage lot)	25,813	cubic yard	\$55	\$1,419,733
Lighting for 24 hour operation	5,500	linear foot	\$100	\$550,000
Gantry Cranes (50+ ton)	2	each	\$750,000	\$1,500,000
Side loader crane	1	each	\$150,000	\$150,000
			<i>Subtotal</i>	<i>\$7,700,524</i>
			Contingency (5%)	\$385,026
			Inflation (2 years at 2.5%)	\$409,331
			Total	\$8,494,882
Automated Freight Route & Fiber Optic				
Fiber Optic	17	mile	\$5,000	\$85,000
Poles	45	each	\$3,500	\$157,080
RSU Commsignia RS4 DSRC/CV2X	45	each	\$8,000	\$359,040
OBU Commsignia ITS-OB4-M	12	each	\$5,500	\$66,000
Electric Truck	12	each	\$150,000	\$1,800,000
Container Chassis	12	each	\$20,000	\$240,000
Security Certificates	1	lump	\$50,000	\$50,000
Data Visualization, Analysis, Integration	1	lump	\$100,000	\$100,000
			<i>Subtotal</i>	<i>\$2,857,120</i>
			Contingency (5%)	\$142,856
			Inflation (2 years at 2.5%)	\$151,874
			Total	\$3,151,850
Inductive Electric Charging				
Construction	1320	linear foot	\$1,450	\$1,914,324
Materials/Supplies	1320	linear foot	\$1,352	\$1,784,000
Equipment	1	lump	\$140,000	\$140,000
			<i>Subtotal</i>	<i>\$3,838,324</i>
			Contingency (5%)	\$191,916
			Inflation (2 years at 2.5%)	\$204,031
			Total	\$4,234,271
Future Focused Transfer Yard				
Paving	38,720	square yard	\$65	\$2,516,800
Demonstration Facility	1	lump	\$1,950,300	\$1,950,300
Vehicles	4	each	\$77,828	\$311,312
			<i>Subtotal</i>	<i>\$4,778,412</i>
			Contingency (5%)	\$238,921
			Inflation (2 years at 2.5%)	\$254,002
			Total	\$5,271,335
Total Capital Costs				\$21,152,338
Technology Demonstration Costs				
Automated Freight Route (System engineering)				\$1,000,000
Inductive Electric Charging (Technical consulting)				\$4,161,673
Inductive Electric Charging (Facilities/testing)				\$2,000,005
Future focused Transfer Yard (Technology Industry Day)				\$189,734
Future focused Transfer Yard (Technical consulting)				\$169,710
Design & Construction Administration				
Preliminary Engineering (3%)				\$634,570
Detailed Design (5%)				\$1,057,617
Construction Administration (5%)				\$1,057,617
Other Soft Costs - Legal & Permitting (2%)				\$423,047
PROJECT TOTAL COST				\$31,846,310