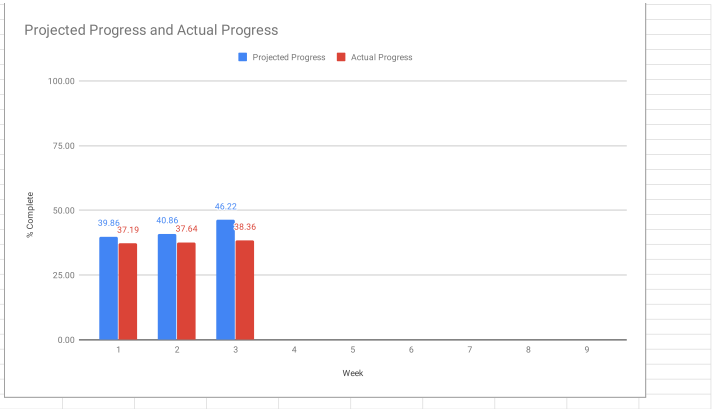


Task / Item	In Progress Projected (%)	In Progress Actual (%)	Complete	Dependencies
Motor Spinning in Dyno Room	100.00%	100.00%	No	Motor Purchased Motor Controller Purchased Pulley / Shaft Fabricated Motor Installed in Motor Mount MCS Installed in Fixture Pulley / Shaft Connected to Motor
Motor Purchased	100.00%	100.00%	Yes	
Motor Controller Purchased	100.00%	100.00%	Yes	
Motor Controller Connected to TSI, Cooling, and Motor in Dyno Room	100.00%	83.33%	No	Motor Controller Purchased MCS / TSI / Cooling Fixture Fabricated TSI Board Complete TSI Mounting Plate Complete
Motor Mount Fabricated	100.00%	100.00%	Yes	
Motor Installed in Motor Mount in Dyno Room	100.00%	100.00%	Yes	Motor Purchased Motor Mount Fabricated
Pulley / Shaft Fabricated	100.00%	100.00%	Yes	
Pulley / Shaft Connected to Motor and Mounted in Dyno Room	100.00%	100.00%	No	Motor Purchased Pulley / Shaft Fabricated
MCS / TSI / Cooling Fixture Fabricated	100.00%	100.00%	Yes	
Car Motor Mount Fabricated and Installed on Frame	25.00%	0.00%	No	Frame Purchased
Motor Installed in Car Motor Mount	25.00%	0.00%	No	Car Motor Mount Fabricated and Installed on Frame Motor Spinning in Dyno Room Motor Installed in Car Motor Mount Motor Controller Connected to TSI, Cooling, and Motor in Car TSI Enclosure Mounted on Car Motor Connected to TSV Packs
Motor Spinning in Car	12.50%	0.00%	No	Motor Controller Connected to TSI, Cooling, and Motor in Dyno Room Motor Controller Installed in TSI Enclosure TSI Enclosure Fabricated
Motor Controller Connected to TSI, Cooling, and Motor in Car	37.50%	16.67%	No	TSI Enclosure Fabricated
MCS Installed in TSI Enclosure	20.00%	0.00%	No	TSI Enclosure Fabricated
Frame Purchased	50.00%	33.33%	No	
Body Manufactured and Mounted on Frame	0.00%	0.00%	No	Frame Purchased
Seat and Seatbelt Purchased and Installed in Car	14.29%	0.00%	No	Frame Purchased
Firewalls Fabricated and Installed in Car	25.00%	0.00%	No	Frame Purchased
Pedal Cluster Fabricated	0.00%	0.00%	No	
Pedal Mounting Plate Manufactured	0.00%	0.00%	No	
Pedal Cluster Installed in Car	0.00%	0.00%	No	Pedal Cluster Fabricated Pedal Mounting Plate Manufactured
Differential Purchased	0.00%	0.00%	No	
Differential Integrated with Motor and Wheels	0.00%	0.00%	No	Wheels Mounted on Car Motor Installed in Car Motor Mount
Wheels Acquired	0.00%	0.00%	No	
Wheels Mounted on Car	0.00%	0.00%	No	Frame Purchased Wheels Acquired
Drivetrain Manufactured	0.00%	0.00%	No	
Drivetrain Integrated on Car	50.00%	0.00%	No	Drivetrain Manufactured Frame Purchased
GLV Board Manufactured	100.00%	100.00%	Yes	
GLV Mounting Plate Manufactured	100.00%	100.00%	Yes	
Safety Loop Testing Panel Mounted in Dyno Room Rack	100.00%	100.00%	Yes	
Safety Loop Functional In Dyno Room	100.00%	100.00%	Yes	GLV Board Manufactured
GLV Enclosure Manufactured	33.33%	0.00%	No	
GLV Enclosure Mounted on Car	33.33%	0.00%	No	GLV Enclosure Manufactured
Safety Loop Integrated on Car	0.00%	0.00%	No	Safety Loop Functional in Dyno Room
TSI Board Manufactured	100.00%	92.31%	No	
TSI Mounting Plate Manufactured	100.00%	100.00%	Yes	
TSI Throttle / Brake Control Panel Manufactured	100.00%	100.00%	Yes	TSI Board Manufactured TSI Mounting Plate Manufactured
TSI Enclosure Manufactured	20.00%	0.00%	No	
TSI Enclosure Mounted on Car	0.00%	0.00%	No	TSI Enclosure Manufactured TSI Enclosure Mounted on Car TSI Throttle / Brake Control Manufactured
TSI Integrated with Throttle / Brake Control on Car	0.00%	0.00%	No	
Cooling Loop Filled with Water and Tested For Leaks	100.00%	100.00%	Yes	
Cooling System Mounted on Fixture in Dyno Room	100.00%	100.00%	Yes	MCS / TSI / Cooling Fixture Fabricated
Cooling System Connected to MCS and Motor in Dyno Room	100.00%	100.00%	Yes	MCS / TSI / Cooling Fixture Fabricated
Cooling System Connected to TSI in Dyno Room	100.00%	80.00%	No	
Cooling Enclosure Manufactured	0.00%	0.00%	No	
Cooling System Mounted on Car	0.00%	0.00%	No	Cooling Enclosure Manufactured Cooling System Mounted on Car TSI Enclosure Mounted on Car
Cooling System Connected to TSI on Car	0.00%	0.00%	No	
TSV Packs Manufactured	0.00%	0.00%	No	
TSV Packs Connected to Motor Controller in Dyno Room	0.00%	0.00%	No	
TSV CellMan Boards Fabricated	44.00%	22.00%	No	
TSV SagMan Boards Fabricated	42.86%	14.29%	No	
TSV PackMan Boards Fabricated	37.50%	0.00%	No	TSV Packs Manufactured IsoMan Boards Fabricated PackMan Boards Fabricated CellMan Boards Fabricated SagMan Boards Fabricated
TSV Powering Motor via Motor Controller in Dyno	0.00%	0.00%	No	
SCADA Recording Data and Writing to a File	100.00%	71.43%	No	
SCADA Displaying Data to Rack Monitor in Dyno Room	75.00%	75.00%	No	
SCADA Communicating with GLV in Dyno Room	100.00%	100.00%	Yes	GLV Board and Mounting Plate Integrated
SCADA Communicating with TSI in Dyno Room	75.00%	75.00%	No	TSI Board and Mounting Plate Integrated
SCADA Communicating with Motor Controller in Dyno Room	100.00%	75.00%	No	
SCADA Communicating with TSV in Dyno Room	0.00%	0.00%	No	
SCADA Displaying Data to GLV Screen	0.00%	0.00%	No	
SCADA Communicating with GLV on Car	0.00%	0.00%	No	GLV Enclosure Mounted on Car
SCADA Communicating with TSI on Car	0.00%	0.00%	No	TSI Enclosure Mounted on Car
SCADA Communicating with Motor Controller on Car	0.00%	0.00%	No	
SCADA Communicating with TSV on Car	0.00%	0.00%	No	
All Connecting Wires Produced with Correct Connector Types	100.00%	100.00%	Yes	
Dyno Room Testing Plan Complete	100.00%	100.00%	Yes	
Dyno Room Wiring Diagram Complete	100.00%	100.00%	Yes	
All Subsystems fully wired in Dyno Room	100.00%	100.00%	Yes	
All Tests According to Test Plan Run in Dyno Room	100.00%	0.00%	No	
Car Testing Plan Complete	0.00%	0.00%	No	

Car Wiring Diagram Complete	0.00%	0.00%	No		
All Subsystems Fully Wired on Car	0.00%	0.00%	No		
All Tests According to Test Plan Run on Car	0.00%	0.00%	No		
	46.22%	38.36%			

Weekly Progress Chart		
Week	Projected Progress	Actual Progress
1	39.86	37.19
2	40.86	37.64
3	46.22	38.36
4		
5		
6		
7		
8		
9		



Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
Car Motor Mount Fabricated and Installed on Frame	Frame Purchased	Frame Purchased	25.00%	None	0.00%
	Frame Delivered to Lafayette				
	Motor Mount Design Submitted to Machine Shop and Approved				
	Motor Mount Mounted on Frame of Car				
Motor Installed in Car Motor Mount	Frame Purchased	Frame Purchased	25.00%	None	0.00%
	Frame Delivered to Lafayette				
	Motor Mount Design Submitted to Machine Shop and Approved				
	Motor Mount Mounted on Frame of Car				
	Motor Installed in Motor Mount				
Motor Spinning In Car	TEST.1.3 - Tests performed on motor according to testing plan	Frame Purchased	12.50%	None	0.00%
	TEST.1.4 - Testing Analysis of Motor Testing Data complete and submitted	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop			
	TEST.6.3 - Tests performed on Full Dyno according to testing plan				
	TEST.6.4 - Testing Analysis of Full Dyno Testing Data complete and submitted				
	Frame Purchased				
	Frame Delivered to Lafayette				
	Motor Mount Design Submitted to Machine Shop and Approved				
	Motor Mount Mounted on Frame of Car				
	Motor Installed in Motor Mount				
	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop				
	TSI.2.2 - Enclosure Parts and Materials Acquired				
	TSI.2.3 - Enclosure Assembled				
	TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop				
	TSI.2.5 - Mounting Plate Fabricated and Acquired				
	All TSV Tasks				
	All TSV & Motor Controller Interconnection Tasks				
Motor Controller Connected to TSI, Cooling, and Motor in Car	TSI.1.1 - TSI Block Diagram Delivered and Approved	TSI.1.3 - TSI PCB Layout Complete and Approved	37.50%	TSI.1.1 - TSI Block Diagram Delivered and Approved	16.67%
	TSI.1.2 - TSI Circuit Schematic Delivered and Approved	TSI.1.4 - TSI PCB BoM Purchase Order Approved and Purchased		TSI.1.2 - TSI Circuit Schematic Delivered and Approved	
	TSI.1.3 - TSI PCB Layout Complete and Approved	TSI.1.5 - TSI PCB Purchased and Delivered		TSI.1.11 - TSI Mounting Plate Mechanical Drawing Submitted	
	TSI.1.4 - TSI PCB BoM Purchase Order Approved and Purchased	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop		TSI.1.12 - TSI Mounting Plate BoM Purchase Order Approved and Purchased	
	TSI.1.5 - TSI PCB Purchased and Delivered	Frame Purchased			
	TSI.1.6 - TSI PCB Populated and Verified				
	TSI.1.7 - IMD Installed on TSI PCB				
	TSI.1.8 - Precharge Circuitry Incorporated				
	TSI.1.10 - TSI PCB Debugged and Complete				
	TSI.1.11 - TSI Mounting Plate Mechanical Drawing Submitted				
	TSI.1.12 - TSI Mounting Plate BoM Purchase Order Approved and Purchased				
	TSI.1.13 - TSI Base Plate Fabricated, Wired, and Populated				
	TSI.1.14 - TSI Base Plate Installed in DYNO Room				
	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop				
	TSI.2.2 - Enclosure Parts and Materials Acquired				
	TSI.2.3 - Enclosure Assembled				
	TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop				
	TSI.2.5 - Mounting Plate Fabricated and Acquired				
	Frame Purchased				
	Frame Delivered to Lafayette				
	Motor Mount Design Submitted to Machine Shop and Approved				
	Motor Mount Mounted on Frame of Car				
	Motor Installed in Motor Mount				
	Cooling System Installed in Car				
Seat and Seatbelt Purchased and Installed in Car	Frame Purchased	Frame Purchased	14.29%	None	0.00%
	Frame Delivered to Lafayette				
	Seat Purchased				
	Seatbelt Purchased				
	Seat Delivered to Lafayette				
	Seatbelt Delivered to Lafayette				
	Seat & Seatbelt Installed in Car				
Firewalls Fabricated and Installed in Car	Frame Purchased	Frame Purchased	25.00%	None	0.00%
	Frame Delivered to Lafayette				
	Firewalls Fabricated				
	Firewalls Installed in Car				
Pedal Cluster Fabricated	Pedal Cluster Mechanical Drawings Submitted to Machine Shop for Approval	None	0.00%	None	0.00%
	Pedal Cluster Manufacture Completed by Machine Shop				
	Pedals Purchase Order Submitted and Approved				

Pedal Mounting Plate Manufactured	Pedal Mounting Plate Mechanical Drawing Submitted to Machine Shop for Approval Pedal Mounting Plate Manufactured by Machine Shop	None	0.00%	None	0.00%
Pedal Cluster Installed in Car	Pedal Cluster Mechanical Drawings Submitted to Machine Shop for Approval Pedal Cluster Manufacture Completed by Machine Shop Pedals Purchase Order Submitted and Approved Pedal Mounting Plate Mechanical Drawing Submitted to Machine Shop for Approval Pedal Mounting Plate Manufactured by Machine Shop Pedal Cluster Installed In Car Pedal Mounting Plate Installed in Car	None	0.00%	None	0.00%
Differential Integrated with Motor and Wheels	Differential Purchase Order Submitted and Approved Differential Delivered to Lafayette Frame Purchased Frame Delivered to Lafayette Differential Installed in Car	None	0.00%	None	0.00%
Wheels Mounted on Car	Wheels Purchase Order Submitted and Approved Wheels Delivered to Lafayette Frame Purchased Frame Delivered to Lafayette Wheels Installed on Car	None	0.00%	None	0.00%
Drivetrain Integrated into Car	Drivetrain Mechanical Design Submitted and Approved Drivetrain Mechanical Design Sent to Machine Shop for Manufacture Drivetrain Manufacture Complete by Machine Shop Frame Purchased Frame Delivered to Lafayette Drivetrain Installed on Car	Drivetrain Mechanical Design Submitted and Approved Drivetrain Mechanical Design Sent to Machine Shop for Manufacture Frame Purchased	50.00%	None	0.00%
GLV Enclosure Mounted on Car	GLV.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop GLV.2.2 - Enclosure Parts Acquired GLV.2.3 - Enclosure Assembled Frame Purchased Frame Delivered to Lafayette GLV Enclosure Mounted on Car	GLV.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop Frame Purchased	33.33%	None	0.00%
Safety Loop Integrated on Car	GLV Board Manufactured GLV Safety Loop Functional in Dyno Room GLV.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop GLV.2.2 - Enclosure Parts Acquired GLV.2.3 - Enclosure Assembled Frame Purchased Frame Delivered to Lafayette Safety Loop Tested on Car Safety Loop Verified to Break At All Necessary Locations on Car	GLV Board Manufactured GLV.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop Frame Purchased	44.44%	GLV Safety Loop Functional in Dyno Room	11.11%
TSI Enclosure Mounted on Car	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop TSI.2.2 - Enclosure Parts and Materials Acquired TSI.2.3 - Enclosure Assembled TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop TSI.2.5 - Mounting Plate Fabricated and Acquired Frame Purchased Frame Delivered to Lafayette TSI Enclosure Mounted on Car	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop Frame Purchased	50.00%	TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop TSI.2.5 - Mounting Plate Fabricated and Acquired	25.00%
TSI Integrated with Throttle / Brake Control on Car	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop TSI.2.2 - Enclosure Parts and Materials Acquired TSI.2.3 - Enclosure Assembled TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop TSI.2.5 - Mounting Plate Fabricated and Acquired Frame Purchased Frame Delivered to Lafayette TSI Mounted on Car Pedal Cluster Installed on Car	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop Frame Purchased	44.44%	TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop TSI.2.5 - Mounting Plate Fabricated and Acquired	22.22%
Cooling System Mounted on Car	COOL.1.1 - Enclosure Designed, Approved, and Submitted to Machine Shop COOL.1.2 - Enclosure Parts Acquired COOL.1.3 - Enclosure Assembled	Frame Purchased	14.29%	None	0.00%

	COOL.2.1 - Enclosure Installed on Car				
	COOL.2.2 - Cables Connected				
	Frame Purchased				
	Frame Delivered to Lafayette				
Cooling System Connected to TSI on Car	COOL.1.1 - Enclosure Designed, Approved, and Submitted to Machine Shop	Frame Purchased	30.77%	TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop	15.38%
	COOL.1.2 - Enclosure Parts Acquired	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop		TSI.2.5 - Mounting Plate Fabricated and Acquired	
	COOL.1.3 - Enclosure Assembled				
	COOL.2.1 - Enclosure Installed on Car				
	COOL.2.2 - Cables Connected				
	Frame Purchased				
	Frame Delivered to Lafayette				
	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop				
	TSI.2.2 - Enclosure Parts and Materials Acquired				
	TSI.2.3 - Enclosure Assembled				
	TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop				
	TSI.2.5 - Mounting Plate Fabricated and Acquired				
	TSI Mounted on Car				

Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
Motor Spinning in Dyno Room	PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount PART.6.1 - Motor / Pulley Connected PART.6.2 - Pulley Connected to Dyno Belt PART.6.3 - Motor Controller Connected to Motor	None	75.00%	PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount PART.6.3 - Motor Controller Connected to Motor	75.00%
Motor Purchased	PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired	None	100.00%	PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired	100.00%
Motor Controller Purchased	PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired	None	100.00%	PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired	100.00%
Motor Controller Connected to TSI, Cooling, and Motor in Dyno Room	PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired TSI.1 - TSI Board Delivered COOL.2.3 - Cooling System Mounted in Dyno Room COOL.3.1 - Cooling System Connected to MCS COOL.3.3 - Cooling System Moving Water to All Connected Systems	TSI.1 - TSI Board Delivered	100.00%	PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired COOL.2.3 - Cooling System Mounted in Dyno Room COOL.3.1 - Cooling System Connected to MCS COOL.3.3 - Cooling System Moving Water to All Connected Systems	83.33%
Motor Mount Fabricated	PART.1.1 - Motor Mount Mechanical Drawing Submitted to Machine Shop and Accepted PART.1.2 - Motor Mount Fabricated PART.1.3 - Motor Mount Secured in Dyno Room		100.00%	PART.1.1 - Motor Mount Mechanical Drawing Submitted to Machine Shop and Accepted PART.1.2 - Motor Mount Fabricated PART.1.3 - Motor Mount Secured in Dyno Room	100.00%
Motor Installed in Motor Mount in Dyno Room	PART.1.1 - Motor Mount Mechanical Drawing Submitted to Machine Shop and Accepted PART.1.2 - Motor Mount Fabricated PART.1.3 - Motor Mount Secured in Dyno Room PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount		100.00%	PART.1.1 - Motor Mount Mechanical Drawing Submitted to Machine Shop and Accepted PART.1.2 - Motor Mount Fabricated PART.1.3 - Motor Mount Secured in Dyno Room PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount	100.00%
Pulley / Shaft Fabricated	PART.2.1 - Pulley Mechanical Drawing Submitted PART.2.2 - Shaft Drawing Submitted PART.2.3 - Pulley Manufactured / Purchased PART.2.4 - Shaft Manufactured / Purchased PART.2.5 - Pulley System Mounted in Dyno Room		100.00%	PART.2.1 - Pulley Mechanical Drawing Submitted PART.2.2 - Shaft Drawing Submitted PART.2.3 - Pulley Manufactured / Purchased PART.2.4 - Shaft Manufactured PART.2.5 - Pulley System Mounted in Dyno Room	100.00%
Pulley / Shaft Connected to Motor and Mounted in Dyno Room	PART.1.1 - Motor Mount Mechanical Drawing Submitted to Machine Shop and Accepted PART.1.2 - Motor Mount Fabricated PART.1.3 - Motor Mount Secured in Dyno Room PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount PART.2.1 - Pulley Mechanical Drawing Submitted PART.2.2 - Shaft Drawing Submitted PART.2.3 - Pulley Manufactured / Purchased PART.2.4 - Shaft Manufactured / Purchased PART.2.5 - Pulley System Mounted in Dyno Room		100.00%	PART.1.1 - Motor Mount Mechanical Drawing Submitted to Machine Shop and Accepted PART.1.2 - Motor Mount Fabricated PART.1.3 - Motor Mount Secured in Dyno Room PART.2.1 - Pulley Mechanical Drawing Submitted PART.2.2 - Shaft Drawing Submitted PART.2.3 - Pulley Manufactured / Purchased PART.2.4 - Shaft Manufactured PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount PART.2.5 - Pulley System Mounted in Dyno Room	100.00%
MCS / TSI / Cooling Fixture Fabricated	PART.3.1 - Fixture Mechanical Drawing Submitted to Machine Shop PART.3.2 - Fixture Fabricated PART.3.3 - Fixture Mounted in Dyno Room		100.00%	PART.3.1 - Fixture Mechanical Drawing Submitted to Machine Shop PART.3.2 - Fixture Fabricated PART.3.3 - Fixture Mounted in Dyno Room	100.00%
Frame Purchased	Frame Design Internally Approved by Team Frame Submitted to Manufacturer for Review Frame Approved by Manufacturer Frame Manufacture Complete Frame Purchase Order Submitted and Approved Frame Delivered to Lafayette College	Frame Approved by Manufacturer	50.00%	Frame Design Internally Approved by Team Frame Submitted to Manufacturer for Review	33.33%
Body Manufactured and Mounted on Frame	Body Design Submitted and Approved Body Submitted to Machine Shop for Manufacture Body Copmleteld Manufacture Body Mounted on Frame	None	0.00%	None	0.00%
Differential Purchased	Differential Purchase Order Submitted and Approved Differential Delivered to Lafayette	None	0.00%	None	0.00%

Wheels Acquired	Wheels Purchase Order Submitted and Approved	None	0.00%	None	0.00%
	Wheels Delivered to Lafayette				
Drivetrain Manufactured	Drivetrain Design Reviewed by Team	None	0.00%	None	0.00%
	Drivetrain Submitted to Machine Shop for Approval				
	Drivetrain Manufacture Complete by Machine Shop				

Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
GLV Board Manufactured	GLV.1.1 - GLV BoB Circuit Schematic Complete		100.00%	GLV.1.1 - GLV BoB Circuit Schematic Complete	100.00%
	GLV.1.2 - GLV BoB PCB Layout Complete and Approved			GLV.1.2 - GLV BoB PCB Layout Complete and Approved	
	GLV.1.3 - GLV BoB PCB Purchase Order Approved and Submitted			GLV.1.3 - GLV BoB PCB Purchase Order Approved and Submitted	
	GLV.1.4 - GLV BoB Acquired			GLV.1.4 - GLV BoB Acquired	
	GLV.1.5 - GLV BoB Mount Mechanical Drawing Submitted to Machine Shop			GLV.1.5 - GLV BoB Mount Mechanical Drawing Submitted to Machine Shop	
	GLV.1.6 - GLV BoB Mount Fabricated			GLV.1.6 - GLV BoB Mount Fabricated	
	GLV.1.7 - GLV BoB Installed on Mount in Rack in Dyno Room			GLV.1.7 - GLV BoB Installed on Mount in Rack in Dyno Room	
GLV Mounting Plate Manufactured	GLV.1.5 - GLV BoB Mount Mechanical Drawing Submitted to Machine Shop		100.00%	GLV.1.5 - GLV BoB Mount Mechanical Drawing Submitted to Machine Shop	100.00%
	GLV.1.6 - GLV BoB Mount Fabricated			GLV.1.6 - GLV BoB Mount Fabricated	
	GLV.1.7 - GLV BoB Installed on Mount in Rack in Dyno Room			GLV.1.7 - GLV BoB Installed on Mount in Rack in Dyno Room	
Safety Loop Testing Panel Mounted in Dyno Room Rack	GLV.2.1 - Left Side Panel Block Diagram Delivered		100.00%	GLV.2.1 - Left Side Panel Block Diagram Delivered	100.00%
	GLV.2.2 - Left Side Panel BoM Purchase Order Approved and Purchased			GLV.2.2 - Left Side Panel BoM Purchase Order Approved and Purchased	
	GLV.2.3 - Left Side Panel Mechanical Drawing Submitted to Machine Shop			GLV.2.3 - Left Side Panel Mechanical Drawing Submitted to Machine Shop	
	GLV.2.4 - Left Side Panel Fabricated and Wired with Needed Buttons / Switches			GLV.2.4 - Left Side Panel Fabricated and Wired with Needed Buttons / Switches	
	GLV.2.5 - Right Side Panel Block Diagram Delivered			GLV.2.5 - Right Side Panel Block Diagram Delivered	
	GLV.2.6 - Right Side Panel BoM Purchase Order Approved and Purchased			GLV.2.6 - Right Side Panel BoM Purchase Order Approved and Purchased	
	GLV.2.7 - Right Side Panel Mechanical Drawing Submitted to Machine Shop			GLV.2.7 - Right Side Panel Mechanical Drawing Submitted to Machine Shop	
	GLV.2.8 - Right Side Panel Fabricated and Wired with Needed Buttons / Switches			GLV.2.8 - Right Side Panel Fabricated and Wired with Needed Buttons / Switches	
	GLV.2.9 - Left Side Panel Installed in Dyno Room			GLV.6.1 - Dashboard Panel Block Diagram Delivered	
	GLV.2.10 - Right Side Panel Installed in Dyno Room			GLV.6.2 - Dashboard Panel BoM Purchase Order Approved and Purchased	
	GLV.3.1 - Dyno Safety Loop Block Diagram Complete and Submitted			GLV.6.3 - Dashboard Panel Mechanical Drawing Submitted to Machine Shop	
	GLV.3.2 - Dyno Power Supply Safety Loop On/Off Mechanism Delivered			GLV.6.4 - Dashboard Panel Fabricated and Wired with Needed Buttons / Switches	
	GLV.3.3 - Left Side Panel Connected to GLV In Dyno Room			GLV.2.9 - Left Side Panel Installed in Dyno Room	
	GLV.3.4 - Right Side Panel Connected to GLV In Dyno Room			GLV.2.10 - Right Side Panel Installed in Dyno Room	
	GLV.3.5 - Dyno Power Supply Connected to GLV Safety Loop			GLV.3.1 - Dyno Safety Loop Block Diagram Complete and Submitted	
	GLV.6.1 - Dashboard Panel Block Diagram Delivered			GLV.3.2 - Dyno Power Supply Safety Loop On/Off Mechanism Delivered	
	GLV.6.2 - Dashboard Panel BoM Purchase Order Approved and Purchased			GLV.3.3 - Left Side Panel Connected to GLV In Dyno Room	
	GLV.6.3 - Dashboard Panel Mechanical Drawing Submitted to Machine Shop			GLV.3.4 - Right Side Panel Connected to GLV In Dyno Room	
	GLV.6.4 - Dashboard Panel Fabricated and Wired with Needed Buttons / Switches			GLV.3.5 - Dyno Power Supply Connected to GLV Safety Loop	
	GLV.6.5 - Dashboard Panel Installed in Dyno Room			GLV.6.5 - Dashboard Panel Installed in Dyno Room	
	Safety Loop Functional In Dyno Room	GLV.3.6 - Demo of Left Side Panel Closing / Opening Safety Loop		100.00%	GLV.3.6 - Demo of Left Side Panel Closing / Opening Safety Loop
GLV.3.7 - Demo of Right Side Panel Closing / Opening Safety Loop				GLV.3.7 - Demo of Right Side Panel Closing / Opening Safety Loop	
GLV.3.8 - Demo of Safety Loop shutting off the Dyno Power Supply from Safe Distance				GLV.3.8 - Demo of Safety Loop shutting off the Dyno Power Supply from Safe Distance	
GLV.3.9 - Demo of Dashboard Panel Closing / Opening Safety Loop				GLV.3.9 - Demo of Dashboard Panel Closing / Opening Safety Loop	
GLV.3.10 - Demo of Dashboard Panel Putting Car / Dyno into Drive Mode				GLV.3.10 - Demo of Dashboard Panel Putting Car / Dyno into Drive Mode	
GLV.4.8 - GLV and Safety Loop Connected				GLV.4.8 - GLV and Safety Loop Connected	
GLV Enclosure Manufactured	GLV.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop	GLV.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop	33.33%	None	0.00%
	GLV.2.2 - Enclosure Parts Acquired				
	GLV.2.3 - Enclosure Assembled				



Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
TSI Board Manufactured	TSI.1.1 - TSI Block Diagram Delivered and Approved	TSI.1.3 - TSI PCB Layout Complete and Approved	38.46%	TSI.1.1 - TSI Block Diagram Delivered and Approved	15.38%
	TSI.1.2 - TSI Circuit Schematic Delivered and Approved	TSI.1.4 - TSI PCB BoM Purchase Order Approved and Purchased		TSI.1.2 - TSI Circuit Schematic Delivered and Approved	
	TSI.1.3 - TSI PCB Layout Complete and Approved	TSI.1.5 - TSI PCB Purchased and Delivered			
	TSI.1.4 - TSI PCB BoM Purchase Order Approved and Purchased				
	TSI.1.5 - TSI PCB Purchased and Delivered				
	TSI.1.6 - TSI PCB Populated and Verified				
	TSI.1.7 - IMD Installed on TSI PCB				
	TSI.1.8 - Precharge Circuitry Incorporated				
	TSI.1.10 - TSI PCB Debugged and Complete				
	TSI.1.11 - TSI Mounting Plate Mechanical Drawing Submitted				
	TSI.1.12 - TSI Mounting Plate BoM Purchase Order Approved and Purchased				
	TSI.1.13 - TSI Base Plate Fabricated, Wired, and Populated				
	TSI.1.14 - TSI Base Plate Installed in DYNO Room				
TSI Mounting Plate Manufactured	TSI.1.11 - TSI Mounting Plate Mechanical Drawing Submitted		100.00%	TSI.1.11 - TSI Mounting Plate Mechanical Drawing Submitted	100.00%
	TSI.1.13 - TSI Mounting Plate Fabricated			TSI.1.13 - TSI Mounting Plate Fabricated	
	TSI.1.14 - TSI Installed on Mount in Dyno Room			TSI.1.14 - TSI Installed on Mount in Dyno Room	
TSI Throttle / Brake Control Panel Manufactured	TSI.4.1 - 2017 TSI Test Panel Located		100.00%	TSI.4.1 - 2017 TSI Test Panel Located	100.00%
	TSI.4.2 - Test Panel Fabricated and Wired with Needed Buttons/Switches			TSI.4.2 - Test Panel Fabricated and Wired with Needed Buttons/Switches	
	TSI.4.3 - Test Panel Installed in DYNO Room			TSI.4.3 - Test Panel Installed in DYNO Room	
	TSI.1.11 - TSI Mounting Plate Mechanical Drawing Submitted			TSI.1.11 - TSI Mounting Plate Mechanical Drawing Submitted	
	TSI.1.12 - TSI Mounting Plate BoM Purchase Order Approved and Purchased			TSI.1.12 - TSI Mounting Plate BoM Purchase Order Approved and Purchased	
	TSI.1.13 - TSI Base Plate Fabricated, Wired, and Populated			TSI.1.13 - TSI Base Plate Fabricated	
	TSI.1.14 - TSI Base Plate Installed in DYNO Room			TSI.1.14 - TSI Base Plate Installed in DYNO Room	
TSI Enclosure Manufactured	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop	TSI.2.1 - Enclosure Designed, Approved, and Submitted to Machine Shop	20.00%	None	0.00%
	TSI.2.2 - Enclosure Parts and Materials Acquired				
	TSI.2.3 - Enclosure Assembled				
	TSI.2.4 - TSI Mounting Plate Drawing Submitted to Shop				
	TSI.2.5 - Mounting Plate Fabricated and Acquired				

Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
Cooling Loop Filled with Water and Tested For Leaks	COOL.2.1 - Cooling loop filled with water and tested for leaks COOL.2.2 - Leaks in loop identified and repaired COOL.2.3 - Cooling System mounted on Fixture in Dyno Room		100.00%	COOL.2.1 - Cooling loop filled with water and tested for leaks COOL.2.2 - Leaks in loop identified and repaired COOL.2.3 - Cooling System mounted on Fixture in Dyno Room	100.00%
Cooling System Mounted on Fixture in Dyno Room	COOL.1.1 - Mechanical Drawing of Mounting Delivered PART.3.1 - Fixture Mechanical Drawing Submitted to Machine Shop PART.3.2 - Fixture Fabricated PART.3.3 - Fixture Mounted in Dyno Room		100.00%	COOL.1.1 - Mechanical Drawing of Mounting Delivered PART.3.1 - Fixture Mechanical Drawing Submitted to Machine Shop PART.3.2 - Fixture Fabricated PART.3.3 - Fixture Mounted in Dyno Room	100.00%
Cooling System Connected to MCS and Motor in Dyno Room	PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired COOL.2.3 - Cooling System Mounted in Dyno Room COOL.3.1 - Cooling System Connected to MCS COOL.3.3 - Cooling System Moving Water to All Connected Systems PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount		100.00%	COOL.2.3 - Cooling System Mounted in Dyno Room on Fixture in Dyno Room COOL.3.1 - Cooling System Connected to MCS COOL.3.3 - Cooling System Moving Water to All Connected Systems PART.4.1 - Motor Controller Purchase Order Submitted PART.4.2 - Motor Controller Acquired PART.5.1 - Motor Purchase Order Submitted PART.5.2 - Motor Acquired PART.5.3 - Motor Mounted in Motor Mount	100.00%
Cooling System Connected to TSI in Dyno Room	COOL.2.3 - Cooling System Mounted in Dyno Room TSI.1 - TSI Board Delivered PART.3.1 - Fixture Mechanical Drawing Submitted to Machine Shop PART.3.2 - Fixture Fabricated PART.3.3 - Fixture Mounted in Dyno Room	TSI.1 - TSI Board Delivered	100.00%	PART.3.1 - Fixture Mechanical Drawing Submitted to Machine Shop COOL.2.3 - Cooling System Mounted in Dyno Room PART.3.2 - Fixture Fabricated PART.3.3 - Fixture Mounted in Dyno Room	80.00%
Cooling Enclosure Manufactured	COOL.1.1 - Enclosure Designed, Approved, and Submitted to Machine Shop COOL.1.2 - Enclosure Parts Acquired COOL.1.3 - Enclosure Assembled COOL.2.1 - Enclosure Installed on Car COOL.2.2 - Cables Connected	None	0.00%	None	0.00%
Cooling System Mounted on Car					

Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
TSV Packs Manufactured	TSV.1.1 - Pack High Level Electrical Block Diagram Delivered and Accepted	TSV.1.2 - Pack Mechanical Drawing Submitted and Accepted	30.00%	TSV.1.1 - Pack High Level Electrical Block Diagram Delivered and Accepted	10.00%
	TSV.1.2 - Pack Mechanical Drawing Submitted and Accepted	TSV.1.3 - Pack BoM Purchase Order Approved and Purchased			
	TSV.1.3 - Pack BoM Purchase Order Approved and Purchased				
	TSV.1.4 - Pack 1 Enclosure Fabricated				
	TSV.1.5 - Pack 2 Enclosure Fabricated				
	TSV.1.6 - Pack Testing Plan Submitted and Approved				
	TSV.1.7 - Pack 1 Populated and Verified with Testing Plan				
	TSV.1.8 - Pack 2 Populated and Verified with Testing Plan				
	TSV.1.9 - Demo of Pack 1 Functionality with Testing Plan				
	TSV.1.10 - Demo of Pack 2 Functionality with Testing Plan				
TSV Packs Connected to Motor Controller in Dyno Room	WIRE.3.11 - TSV - Motor Controller Connected	None	0.00%	None	0.00%
TSV CellMen Boards Fabricated	TSV.2.1 - CellMen Block Diagram Delivered and Approved	TSV.2.3 - CellMen PCB Layout Complete and Approved	44.44%	TSV.2.1 - CellMen Block Diagram Delivered and Approved	22.22%
	TSV.2.2 - CellMen Circuit Schematic Delivered and Approved	TSV.2.4 - CellMen BoM Purchase Order Approved and Purchased		TSV.2.2 - CellMen Circuit Schematic Delivered and Approved	
	TSV.2.3 - CellMen PCB Layout Complete and Approved				
	TSV.2.4 - CellMen BoM Purchase Order Approved and Purchased				
	TSV.2.5 - CellMen Purchased and Delivered				
	TSV.2.6 - CellMen Boards Populated and Verified				
	TSV.2.7 - 1st CellMen Board Debugged and Tested				
	TSV.2.8 - CellMen Testing Plan Delivered				
	TSV.2.9 - CellMen Boards Debugged and Tested				
TSV PackMan Boards Fabricated	TSV.3.1 - PackMan Block Diagram Delivered and Approved	TSV.3.1 - PackMan Block Diagram Delivered and Approved	37.50%	None	0.00%
	TSV.3.2 - PackMan Circuit Schematic Delivered and Approved	TSV.3.2 - PackMan Circuit Schematic Delivered and Approved			
	TSV.3.3 - PackMan PCB Layout Complete and Approved	TSV.3.3 - PackMan PCB Layout Complete and Approved			
	TSV.3.4 - PackMan BoM Purchase Order Approved and Purchased				
	TSV.3.5 - PackMan Purchased and Delivered				
	TSV.3.6 - PackMan Populated and Verified				
	TSV.3.7 - PackMan Testing Plan Delivered				
	TSV.3.8 - PackMan Boards Debugged and Tested				
TSV SegMan Boards Fabricated	TSV.4.1 - SegMan Block Diagram Delivered and Approved	TSV.4.2 - SegMan Circuit Schematic Delivered and Approved	42.86%	TSV.4.1 - SegMan Block Diagram Delivered and Approved	14.29%
	TSV.4.2 - SegMan Circuit Schematic Delivered and Approved	TSV.4.3 - SegMan PCB Layout Complete and Approved			
	TSV.4.3 - SegMan PCB Layout Complete and Approved				
	TSV.4.4 - SegMan Purchased and Delivered				
	TSV.4.5 - SegMan Populated and Verified				
	TSV.4.6 - SegMan Testing Plan Delivered				
	TSV.4.7 - SegMan Boards Debugged and Tested				
TSV Powering Motor via Motor Controller	WIRE.3.11 - TSV - Motor Controller Connected	None	0.00%	None	0.00%

Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
SCADA Recording Data and Writing to a File	SCADA.1.2 - SCADA Collecting Data From Subsystems and Writing Data to File SCADA.1.3 - SCADA Writing Raw and Calibrated Data to Database SCADA.2.2 - VSCADA Receiving Data from TSI Sensors SCADA.3.2 - SCADA Receiving Data from GLV Sensors SCADA.4.2 - VSCADA Receiving Data from MCS Sensors SCADA.5.2 - VSCADA Receiving Data from Cooling System SCADA.7.3 - SCADA Logging Data with Timestamps	SCADA.5.2 - VSCADA Receiving Data from Cooling System	100.00%	SCADA.1.2 - SCADA Collecting Data From Subsystems and Writing Data to File SCADA.1.3 - SCADA Writing Raw and Calibrated Data to Database SCADA.2.2 - VSCADA Receiving Data from TSI Sensors SCADA.3.2 - VSCADA Receiving Data from GLV Sensors SCADA.4.2 - VSCADA Receiving Data from MCS Sensors SCADA.7.3 - SCADA Logging Data with Timestamps	85.71%
SCADA Displaying Data to Rack Monitor in Dyno Room	SCADA.1.1 - Individual Data Acquisition Tests Performed Showing Data SCADA.1.2 - SCADA Collecting Data From Subsystems and Writing Data to File SCADA.1.3 - SCADA Writing Raw and Calibrated Data to Database SCADA.1.4 - Demo of SCADA Collecting Data and Displaying Meaningfully to Viewer	None	75.00%	SCADA.1.2 - SCADA Collecting Data From Subsystems and Writing Data to File SCADA.1.3 - SCADA Writing Raw and Calibrated Data to Database SCADA.1.4 - Demo of SCADA Collecting Data and Displaying Meaningfully to Viewer	75.00%
SCADA Communicating with GLV in Dyno Room	SCADA.3.1 - VSCADA and GLV Connected via CAN and GPIO SCADA.3.2 - VSCADA Receiving Data from GLV Sensors SCADA.3.3 - VSCADA Sends Warnings for Error Sensor Data GLV.1.7 - GLV BoB Installed on Mount in Rack in Dyno Room		100.00%	SCADA.3.1 - VSCADA and GLV Connected via CAN and GPIO SCADA.3.2 - VSCADA Receiving Data from GLV Sensors SCADA.3.3 - VSCADA Sends Warnings for Error Sensor Data GLV.1.7 - GLV BoB Installed on Mount in Rack in Dyno Room	100.00%
SCADA Communicating with TSI in Dyno Room	SCADA.2.1 - VSCADA and TSI Connected via CAN SCADA.2.2 - VSCADA Receiving Data from TSI Sensors SCADA.2.3 - VSCADA Transmitting Cruise Control Information TSI.1.13 - TSI Installed on Mount in Dyno Room	SCADA.2.1 - VSCADA and TSI Connected via CAN SCADA.2.2 - VSCADA Receiving Data from TSI Sensors	66.67%	SCADA.2.1 - VSCADA and TSI Connected via CAN SCADA.2.2 - VSCADA Receiving Data from TSI Sensors TSI.1.13 - TSI Installed on Mount in Dyno Room	75.00%
SCADA Communicating with Motor Controller in Dyno Room	SCADA.4.1 - VSCADA and MCS Connected via CAN SCADA.4.2 - VSCADA Receiving Data from MCS Sensors SCADA.4.3 - SCADA Outputs a Throttle Control to the Motor Controller PART.4.2 - Motor Controller Acquired	SCADA.4.3 - SCADA Outputs a Throttle Control to the Motor Controller	100.00%	PART.4.2 - Motor Controller Acquired SCADA.4.1 - VSCADA and MCS Connected via CAN SCADA.4.2 - VSCADA Receiving Data from MCS Sensors	75.00%
SCADA Communicating with TSV in Dyno Room	SCADA.4.1 - VSCADA and TSV Connected via CAN SCADA.4.2 - VSCADA Receiving Data From TSV Sensors SCADA.4.3 - VSCADA Sends Warning for Error Sensor Data	None	0.00%	None	0.00%
SCADA Displaying Data to GLV Screen	SCADA.3.1 - VSCADA and GLV Connected via CAN and GPIO SCADA.3.2 - VSCADA Receiving Data from GLV Sensors SCADA.3.3 - VSCADA Sends Warnings for Error Sensor Data GLV.1.7 - GLV BoB Installed on Mount in Rack in Dyno Room GLV Enclosure Complete SCADA Communicating with the GLV in Enclosure	None	0.00%	None	0.00%
SCADA Communicating with GLV on Car	SCADA.3.1 - VSCADA and GLV Connected via CAN and GPIO SCADA.3.2 - VSCADA Receiving Data from GLV Sensors SCADA.3.3 - VSCADA Sends Warnings for Error Sensor Data GLV Enclosure Installed on Vehicle	None	0.00%	None	0.00%
SCADA Communicating with TSI on Car	SCADA.2.1 - VSCADA and TSI Connected via CAN SCADA.2.2 - VSCADA Receiving Data from TSI Sensors TSI Enclosure Installed on Car	SCADA.2.1 - VSCADA and TSI Connected via CAN SCADA.2.2 - VSCADA Receiving Data from TSI Sensors	66.67%	None	0.00%
SCADA Communicating with Motor Controller on Car	SCADA.5.1 - VSCADA and MCS Connected via CAN SCADA.5.2 - VSCADA Receiving Data from MCS Sensors SCADA.5.3 - SCADA sends warning for error sensor data Motor Controller Installed In Car MCS and SCADA Communicating in Car	None	0.00%	None	0.00%
SCADA Communicating with TSV on Car	SCADA.4.1 - VSCADA and TSV Connected via CAN SCADA.4.2 - VSCADA Receiving Data From TSV Sensors SCADA.4.3 - VSCADA Sends Warning for Error Sensor Data TSV Packs Installed in Vehicle TSV and SCADA Communicating in Car	None	0.00%	None	0.00%

Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
Dyno Room Testing Plan Complete	TEST.1.1 - List of tests to be performed on motor detailed with specific desired outcomes printed TEST.1.2 - Risk assessment of each test for motor produced with solution plan for failure TEST.2.1 - List of tests to be performed on GLV detailed with specific desired outcomes printed TEST.2.2 - Risk assessment of each test for GLV produced with solution plan for failure TEST.3.1 - List of tests to be performed on TSI detailed with specific desired outcomes printed TEST.3.2 - Risk assessment of each test for TSI produced with solution plan for failure TEST.5.1 - List of tests to be performed on SCADA detailed with specific desired outcomes printed TEST.5.2 - Risk assessment of each test for SCADA produced with solution plan for failure TEST.6.1 - List of tests to be performed on Full Dyno detailed with specific desired outcomes printed TEST.6.2 - Risk assessment of each test for Full Dyno produced with solution plan for failure	TEST.1.1 - List of tests to be performed on motor detailed with specific desired outcomes printed and posted in Test Plan Binder TEST.1.2 - Risk assessment of each test for motor produced with solution plan for failure TEST.2.1 - List of tests to be performed on GLV detailed with specific desired outcomes printed and posted in Test Plan Binder TEST.2.2 - Risk assessment of each test for GLV produced with solution plan for failure TEST.3.1 - List of tests to be performed on TSI detailed with specific desired outcomes printed and posted in Test Plan Binder TEST.3.2 - Risk assessment of each test for TSI produced with solution plan for failure TEST.5.1 - List of tests to be performed on SCADA detailed with specific desired outcomes printed and posted in Test Plan Binder TEST.5.2 - Risk assessment of each test for SCADA produced with solution plan for failure TEST.6.2 - Risk assessment of each test for Full Dyno produced with solution plan for failure	100.00%	TEST.6.1 - List of tests to be performed on Full Dyno detailed with specific desired outcomes printed and posted in Test Plan Binder	10.00%
Dyno Room Wiring Diagram Complete	WIRE.1.1 - Dyno Room Wiring Diagram Complete WIRE.1.2 - Dyno Room Wiring Diagram Printed and Posted in AEC 400 WIRE.1.3 - Dyno Room Wiring Diagram Printed and Posted in AEC 134	None	100.00%	WIRE.1.1 - Dyno Room Wiring Diagram Complete WIRE.1.2 - Dyno Room Wiring Diagram Printed and Posted in AEC 400 WIRE.1.3 - Dyno Room Wiring Diagram Printed and Posted in AEC 134	100.00%
All Connecting Wires Produced with Correct Connector Types	WIRE.2.1 - Full Wiring BOM Submitted and Approved WIRE.2.2 - Full Wiring BOM Purchase Order Submitted and Approved WIRE.2.3 - TSI - MCS Wires Complete WIRE.2.4 - TSI - Cooling Wires Complete WIRE.2.5 - TSI - Pedal Throttle Fixture Wires Complete WIRE.2.6 - TSI - Test Panel Wires Complete WIRE.2.8 - GLV - Safety Loop Wires Complete WIRE.2.9 - GLV - TSI Wires Complete WIRE.2.10 - GLV - Cooling Wires Complete WIRE.2.12 - Safety Loop Panels - Dyno Supply Wires Complete		100.00%	WIRE.2.1 - Full Wiring BOM Submitted and Approved WIRE.2.2 - Full Wiring BOM Purchase Order Submitted and Approved WIRE.2.3 - TSI - MCS Wires Complete WIRE.2.4 - TSI - Cooling Wires Complete WIRE.2.5 - TSI - Pedal Throttle Fixture Wires Complete WIRE.2.6 - TSI - Test Panel Wires Complete WIRE.2.8 - GLV - Safety Loop Wires Complete WIRE.2.9 - GLV - TSI Wires Complete WIRE.2.10 - GLV - Cooling Wires Complete WIRE.2.12 - Safety Loop Panels - Dyno Supply Wires Complete	100.00%
All Subsystems fully wired in Dyno Room	WIRE.3.1 - TSI - MCS Connected WIRE.3.2 - TSI - Cooling Connected WIRE.3.3 - TSI - Pedal Throttle Fixture Connected WIRE.3.4 - TSI - Test Panel Connected WIRE.3.6 - GLV - Safety Loop Connected WIRE.3.7 - GLV - TSI Connected WIRE.3.8 - GLV - Cooling Connected WIRE.3.10 - Safety Loop Panels - Dyno Supply Connected WIRE.3.12 - MCS and Motor Connected WIRE.3.13 - Cooling System and Motor Connected WIRE.3.14 - Cooling System and MCS Connected		100.00%	WIRE.3.1 - TSI - MCS Connected WIRE.3.2 - TSI - Cooling Connected WIRE.3.3 - TSI - Pedal Throttle Fixture Connected WIRE.3.4 - TSI - Test Panel Connected WIRE.3.6 - GLV - Safety Loop Connected WIRE.3.7 - GLV - TSI Connected WIRE.3.8 - GLV - Cooling Connected WIRE.3.10 - Safety Loop Panels - Dyno Supply Connected WIRE.3.12 - MCS and Motor Connected WIRE.3.13 - Cooling System and Motor Connected WIRE.3.14 - Cooling System and MCS Connected	100.00%
All Tests According to Test Plan Run in Dyno Room	TEST.1.3 - Tests performed on motor according to testing plan TEST.1.4 - Testing Analysis of Motor Testing Data complete and submitted TEST.1.5 - Retesting of Motor following adjustments to meet desired test outcomes TEST.2.3 - Tests performed on GLV according to testing plan TEST.2.4 - Testing Analysis of GLV Testing Data complete and submitted TEST.2.5 - Retesting of GLV following adjustments to meet desired test outcomes TEST.3.3 - Tests performed on TSI according to testing plan TEST.3.4 - Testing Analysis of TSI Testing Data complete and submitted TEST.3.5 - Retesting of TSI following adjustments to meet desired test outcomes TEST.5.3 - Tests performed on SCADA according to testing plan TEST.5.4 - Testing Analysis of SCADA Testing Data complete and submitted TEST.5.5 - Retesting of SCADA following adjustments to meet desired test outcomes TEST.6.3 - Tests performed on Full Dyno according to testing plan TEST.6.4 - Testing Analysis of Full Dyno Testing Data complete and submitted TEST.6.5 - Retesting of Full Dyno following adjustments to meet desired test outcomes	TEST.1.3 - Tests performed on motor according to testing plan TEST.1.4 - Testing Analysis of Motor Testing Data complete and submitted TEST.1.5 - Retesting of Motor following adjustments to meet desired test outcomes TEST.2.3 - Tests performed on GLV according to testing plan TEST.2.4 - Testing Analysis of GLV Testing Data complete and submitted TEST.2.5 - Retesting of GLV following adjustments to meet desired test outcomes TEST.3.3 - Tests performed on TSI according to testing plan TEST.3.4 - Testing Analysis of TSI Testing Data complete and submitted TEST.3.5 - Retesting of TSI following adjustments to meet desired test outcomes TEST.5.3 - Tests performed on SCADA according to testing plan TEST.5.4 - Testing Analysis of SCADA Testing Data complete and submitted TEST.5.5 - Retesting of SCADA following adjustments to meet desired test outcomes TEST.6.3 - Tests performed on Full Dyno according to testing plan TEST.6.4 - Testing Analysis of Full Dyno Testing Data complete and submitted TEST.6.5 - Retesting of Full Dyno following adjustments to meet desired test outcomes	100.00%		0.00%

Integration Task	Related WBS Items	In Progress WBS Items	Projected Completion (%)	Completed WBS Items	Actual Completion (%)
Car Testing Plan Complete			100		100
Car Wiring Diagram Complete					
All Connecting Wires Produced with Correct Connector Types					
All Subsystems fully wired in Car					
All Tests According to Test Plan Run in Car					