

Critical Design Review Proposal

Acronyms Used:

- CDR - Critical Design Review
- SOW - Statement of Work
- GLV - Grounded Low Voltage
- TSI - Tractive System Interface
- TSV - Tractive System Voltage
- ATP - Acceptance Testing Plan

Proposed Time and Date -

- 8:00 - 11:00 (Room saved for this time, will be used for presentation)
 - Potentially able to go until ~12:00 depending on room availability
- Demonstrations after presentation
- Saturday, December 15, 2018 (ECE 491 Final Exam Time slot)

Proposed Location -

- AEC 315 (Presentation)
- AEC 401 (Demonstrations)

Proposed Materials Included -

Listed in Statement of Work	Scope Proposed for CDR	Additional Comments
CDR Report	Full CDR Report	Will be completed as described in SOW
CDR Presentation	Full CDR Presentation	Will be completed as described in SOW
Meeting Minutes	Full Meeting Minutes	Will be completed as described in SOW
Updated WBS Printed	Full Updated WBS Printed	Will be completed as described in SOW
ATP	<ul style="list-style-type: none">● ATP will only cover materials to be completed in the Fall semester● TSV Packs and final enclosures will not be present at time of CDR	Will be completed as described in SOW
Project Website	Fully Updated Project Website	Will be completed as described in SOW

<p>Live System State Demonstration</p>	<ul style="list-style-type: none"> • Motor, Motor Controller, GLV, TSI, and SCADA will be present in DYNO room for demo • DYNO power supply will be used in place of TSV packs 	<p>Will provide all materials listed in SOW:</p> <ul style="list-style-type: none"> • Detailed description of system state information & location • What state information consists of • Detailed description of communication of state transition
<p>User Interface Demonstrations</p>	<p>Full User Interface Demonstration</p>	<p>Will be completed as described in SOW</p>
<p>Communication Link Demonstration</p>	<ul style="list-style-type: none"> • All communications with SCADA will be demonstrated for GLV and TSI • TSV will not be prepared at time of demo • SCADA will have all TSV communications prepared for implementation once TSV is ready 	<p>Documentation for communication protocols will be available at time of demo</p>