

Northern Arizona University  
Society of Automotive Engineering  
2017-2018 Baja Team

**Meeting Date: November 20, 2017**

**Start Time: 7:45 AM**

**Members Not Present: Jordan Sundin, Sam Hunker**

**Frame**

Update: PVC Mockup Built  
40ft Primary = 80 ft of material  
2 sticks of 1 ¼ coming  
Topology optimization  
Put it in make it good enough  
100% it works 50% material  
Rear

Future Tasks: Needs Rear end stuff

Questions: N/A

**Front Suspension**

Update: 95% done with lotus then mockup  
Using ansys to optimize

Future Tasks:

Questions:

**Rear Suspension**

Update: Ansys had been done to optimize  
Ansys don lie  
Using aluminum to save weight on A-arm

Future Tasks: Unibody and knuckle need tweeking  
CVs vs U-Joints  
Using outboard on CV  
Slip drive in between CV

Questions: N/A

### **Drivetrain**

Update: Gears made  
Topology optimization will be used  
Shaft calcs

Future Tasks: Shaft Calcs  
Tucson Tool and Die

Questions: Why is the gearbox bigger

### **Team Business**

Old Business: Pay for Engine Order  
Seat will be taken to Nova Tuesday at 10  
We are #2 on the list for CVT

New Business: Call CVT for picking up CVT in Tucson  
Send schedule to Sarah Hunter  
Koa Meeting at 3:15

Fundraising: Ask Sarah what is in the bank account  
Marco's folks can donate for loddging  
ASNAU is a no go  
316 Motorworks wants to help

Comments, Questions, Concerns:  
N/A