



# Elkhorn Public School's Electric Vehicle Team

-- Monthly EEVT Report --  
\*\* April 2011 \*\*

## Monthly Reports - April 2011

### CAR A51 – “Boss Electric”

This month has been one of many ups and downs. We have been to two rallies so far this year. The first rally of the year at the Lincoln tractor testing facility was cancelled due to snow. The weekend after that race was scheduled our team went to Columbus and West Point the day after that.



A51 at the Columbus Rally

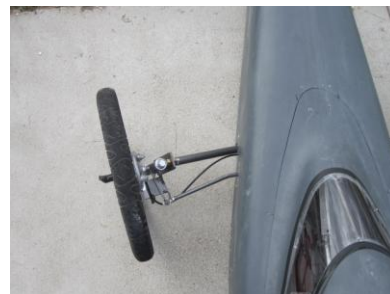
At Columbus our car didn't place at the race, but it lasted for the entire race and we lasted for about 40 laps. At the race at West Point we ended with a total of 25 laps after our car early in the race crashed when our first driver took the turn too fast at turn 1 going into turn 2 and hit another car bending the left spindle and the left brake rotor which had us in the pit for an extended amount of time. After working on the car we had it repaired enough to be able to go back out and finish the race.

After these races we have figured out that we need to work on our steering. We found out about the steering problem after we looked at the car more in depth when we got back to the shop from the race.

### CAR A05 – “Elkhorn Trooper”

After the first two races we did all right on the first race. We ran out of battery on the final 5 minutes, so that's all right for our first race.

On the second race about 15 laps into the race we ran into the back of a slower car and suffered damage. The front left wheel was bent back about 3 inches and broke our tie rod. The next Tuesday we had our work cut out for us. Our instructor brought straps and a lever bar to bend our axle back to its original spot. Once the axle was back we had our fiberglass body painted.



Ouch! A05 and its bent axle.

Our paint job starts with a candy apple red and fades to a dark blue. Now there is a reason for the paint scheme the red symbolizes the Elkhorn High School and the blue symbolizes the new Elkhorn South High School. After the paint job was finished we had to rivet the Dzus fasteners to the body. Then we had to make a new brake pedal for our other driver whom is shorter.

– End of Report –