

# Virginia to Texas Trip 25-30 July 2018

L. David Roper roperld@vt.edu

**24 July Tuesday:** The Tesla Model 3 Long-Range (TM3LR) car's navigation showed to only charge at a Supercharger (SC) twice driving to Memphis, at [Knoxville TN](#) for 40 minutes and at [Jackson TN](#) for 50 minutes. However, we decided to stop more often at all five SCs (excluding [Wytheville VA](#)) on the route to stretch our legs while charging there: [Bristol TN](#), Knoxville TN, [Cookeville TN](#) (lunch at [Grandma's Pancake House](#)), [Dickson TN](#) and Jackson TN this first day. We stayed at [Best Western Plus Galleria](#) in Memphis where we charged using one of its two 8-kW [Tesla Destination Chargers](#) overnight. Temperatures in TN were in high 90s. At most of the SC my TM3LR was the only Tesla being charged; some had one other Tesla charging briefly.

**25 July Wednesday:** The TM3LR navigation indicated to charge only at [Sulphur Springs TX](#) SC on our way to Colleyville TX. However, we chose to charge at all three SCs along the route: [Little Rock AR](#), [Texarkana TX](#) (lunch at Olive Garden), and Sulphur Springs TX (homemade ice cream at [Magic Scoop General Store](#)). We stayed at granddaughter's (Eva Oliver) and Ryan Cychol's house in Colleyville TX for 2 nights where a 120-volts outlet in their garage was used to charge the TM3LR overnight at 1.38-kW. Temperatures there were slightly above 100.

Our favorite SC location for the two days was Sulphur Springs TX and our least favorite was Dickson TN. Jackson TN was our 2nd favorite; we stayed overnight there on our way back home.

**26 July Thursday:** Went to [Southlake TX](#) to check out its SC, where several Model Ss, Xs and 3s were charging. Had long conversation with Tesla-Store man about TM3 2018.24.1 update which was on a TM3 there but not on mine yet. Took pictures of 24.1-update's new features. Had delicious Thai fried rice at Thailicious Cafe.

**27 July Friday:** Drove 54 miles to Granbury TX to attend a Roper family reunion at [Comfort Inn and Suites](#). Went to old Fort Worth Stockyards on the way; saw "herding" of about 20 fat, lethargic longhorn cattle down a street and ate lunch. Charged very slowly using 120V outlet on SE corner of hotel. Had sandwiches for supper at Thompson house on [Granbury Lake](#). Charged overnight at 120V at Comfort Inn and Suites southeast corner. The hotel management stated that they are [applying to Tesla for installation of a Destination Charger](#), which will include a [universal level-2 charging station](#).

**28 July Saturday:** Talked all day with many cousins. Had German lunch at [Ketzler's Schnitzel Haus](#). Had BBQ and Roper-reunion auction at Thompson house on Granbury Lake. Charged slightly over 1 hour using Tesla Destination Charger at [Inn on Lake](#) hotel and 120V overnight to 100% at Comfort Inn and Suites.

**29 July Sunday:** Started trip home. Stopped once to change drivers before charging at Texarkana-TX SC while having lunch at Outback restaurant. Drove in rain to Little Rock AR, where we charged at SC. In rain part of the way to Jackson TN where we stayed at Comfort Suites and charged to 100% at nearby SC. Had good supper at [Casey Jones Country Store](#).

**30 July Monday:** Charged at Cookeville TN SC. Had good sandwiches at Bellecino's. Charged at Bristol TN SC. Unnecessarily charged at [Wytheville VA](#) SC to having charged my TM3LR at all SCs on I-81 up to I-66.

**My Tesla Model 3 Long-Range BEV performed amazingly well in very hot temperatures on the ~2500-miles trip from Blacksburg VA to Granbury TX. We ran the air conditioner all the time at about 70 degrees, including times charging at Superchargers and at personal stops.**

Tesla is building **three more Superchargers** on the route we took, at Nashville TN, Forest City AR and Arkadelphia AR.

A concern for many critics of BEVs is “Will there be enough charging stations? Will I get stranded? Will there be a wait to charge?” For this trip, there were more than twice the superchargers that were needed to comfortably arrive and the car needed to stop less to get charged than we needed to be refreshed and comfortable. At most SCs we were the only car being charged. A few times another Tesla was there. Once there were two other Teslas being charged.

The **high acceleration of the TM3** saved us from being pushed off the road when a truck we were passing started moving into our lane.



Charging my red Tesla Model 3 Long-Range at the Supercharger in Casey Jones Village in Jackson TN.

### **Trip Charging Cost/**

- Total Supercharger cost: \$70.94
- Estimate miles driven: 2275
- Supercharger cost per mile:  $\$70.94/2275 = \mathbf{\$0.031/mile}$
- Total cost including starting with full battery at home and ending with 20% at home =  $\mathbf{\$0.034/mile}$
- There was some free charging in Memphis TN, Colleyville TX and Granbury TX.