

*So, you want to tow with an EV?*

KATIE & STEVE KRIVOLVAEK  
FROM ALL ELECTRIC FAMILY



# *Hello!*

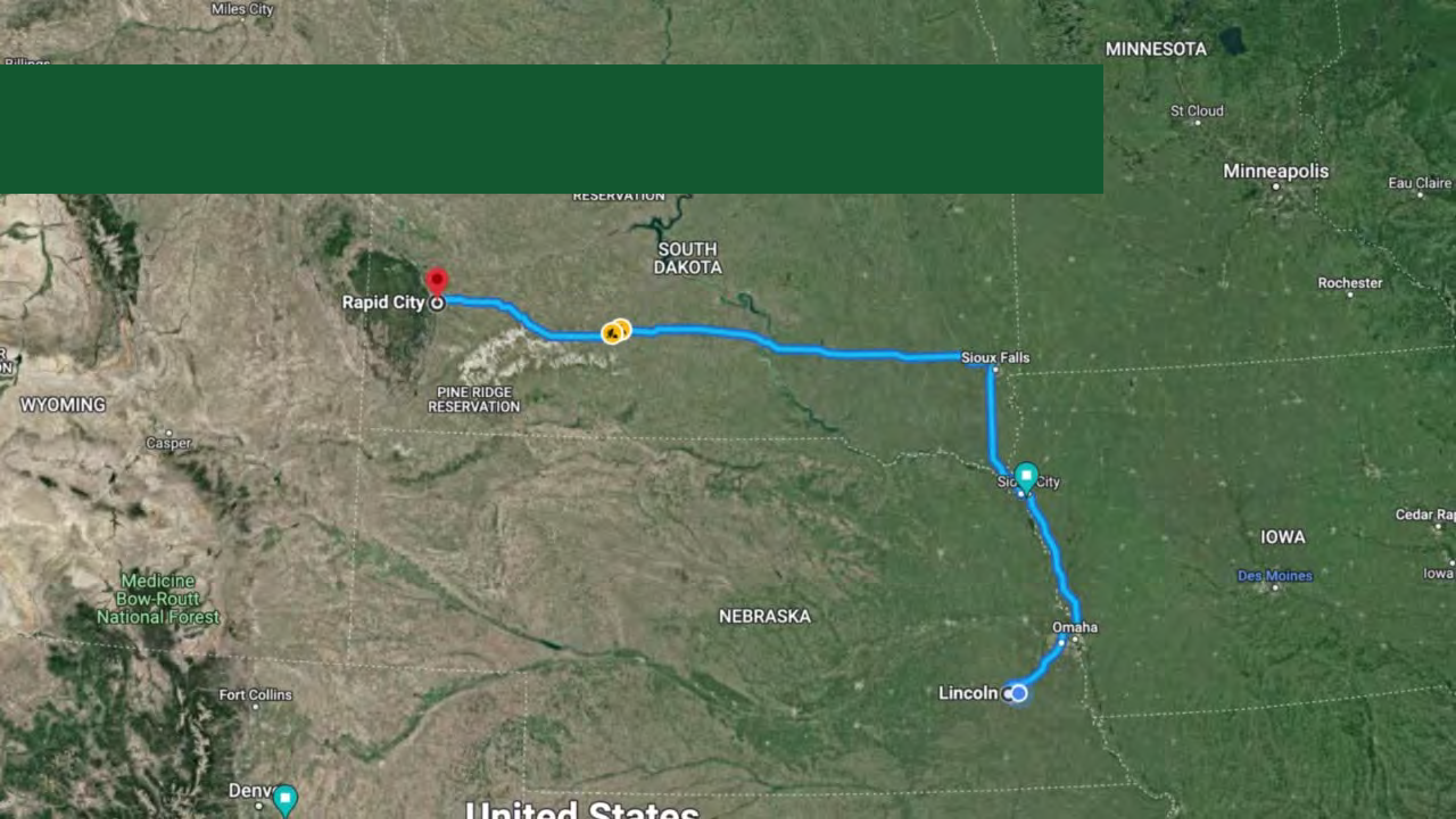
Join the adventure @allelectricfamily











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AIRSTREAM



# Our Trucks

## 2022 Ford Lightning Platinum

**Unloaded Range:**

**Towing Range:** 150 mi. @ 55 MPH

**Towing Capacity:** 8,500lbs

## 2022 Rivian R1T Launch Edition

**Unloaded Range:**

**Towing Range:** 150 mi. @ 55 MPH

**Towing Capacity:** 11,000lbs







**5,000+ Miles Towing**  
**With an EV!**







*What do you  
need to  
know?*

- 1 EV Basics & Towing
- 2 How far can you go?
- 3 How do you trip plan?
- 4 Pros + Cons
- 5 EV + RV Etiquette



# EV Terms

## kWh, wH, & kW

Kilowatt Hour & wH

A unit of measuring energy. a kWh is 1000 wH.

## Consumption

mi/kWh or wH/mi

The efficiency of your vehicle.

## Battery Capacity

Communicated in kWh.

The energy your battery can hold.

## MPGe

Miles Per Gallon Equivalent

A way to compare MPG to an EV.



# DC Fast Chargers

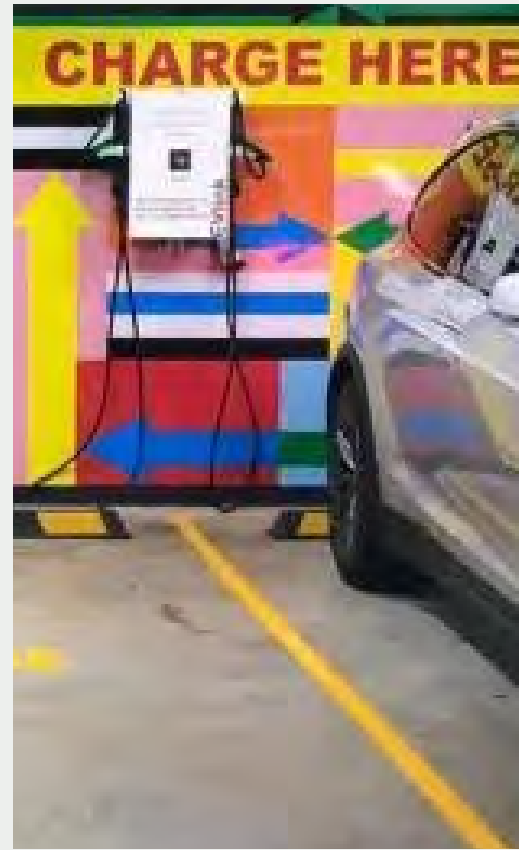


30-45 Minute Charge Time for 100kW to 350kW  
1 hour to 1 hour 30 minutes charge time for 50kW to 70 kW  
Usually around \$.30-\$.40 per kWh.

**Tesla ONLY!**



# Destination Chargers



Best for topping off or overnight charging.  
Often complementary!



*How far can I make it?*





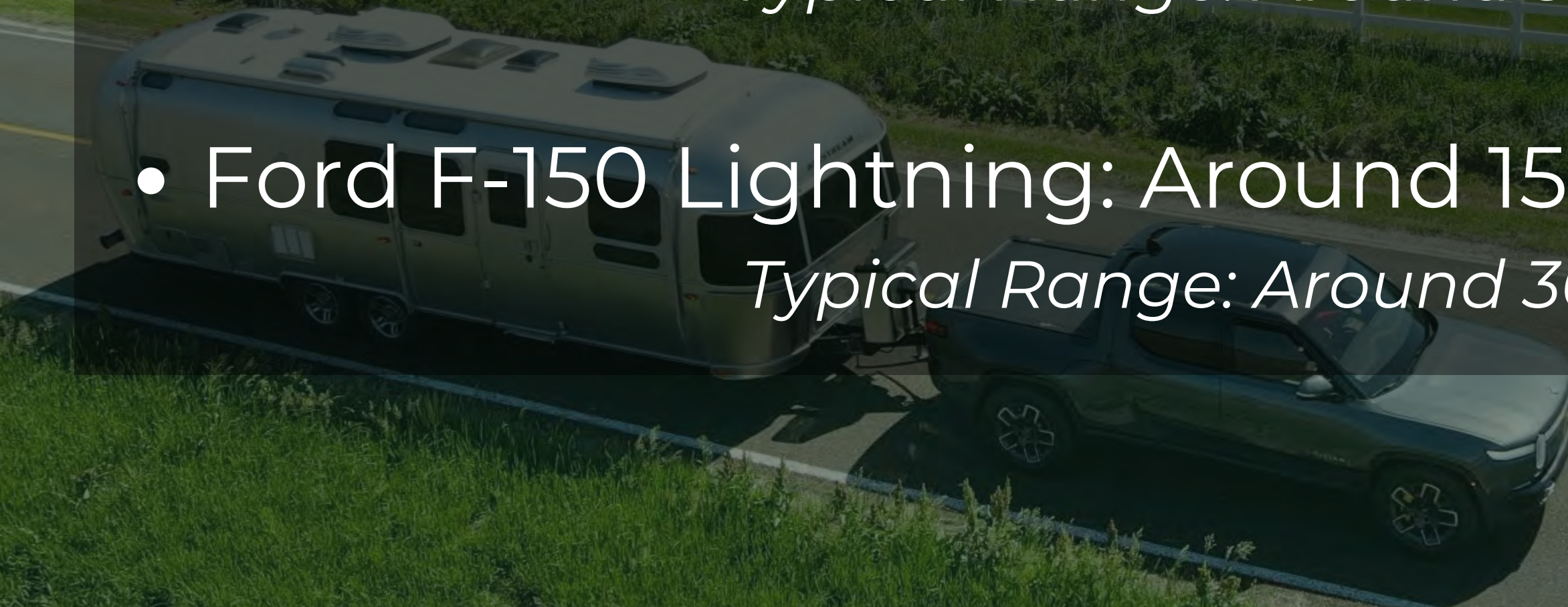
# 50-60% Loss in Range

- Rivian R1T : Around 150 Miles at 55 MPH

*Typical Range: Around 300*

- Ford F-150 Lightning: Around 150 Miles at 55 MPH

*Typical Range: Around 300*





# Pros & Cons

## Cons

- Takes longer
- Might have to unhook to charge
- Towing capacity & payload
- Charger reliability (non-Tesla)

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## Pros

- Cost of Travel
- Less exhausting
- Campground charging
- Stability
- Instant Torque
- Power at high altitudes
- Regenerative Breaking
- Using charging stops wisely



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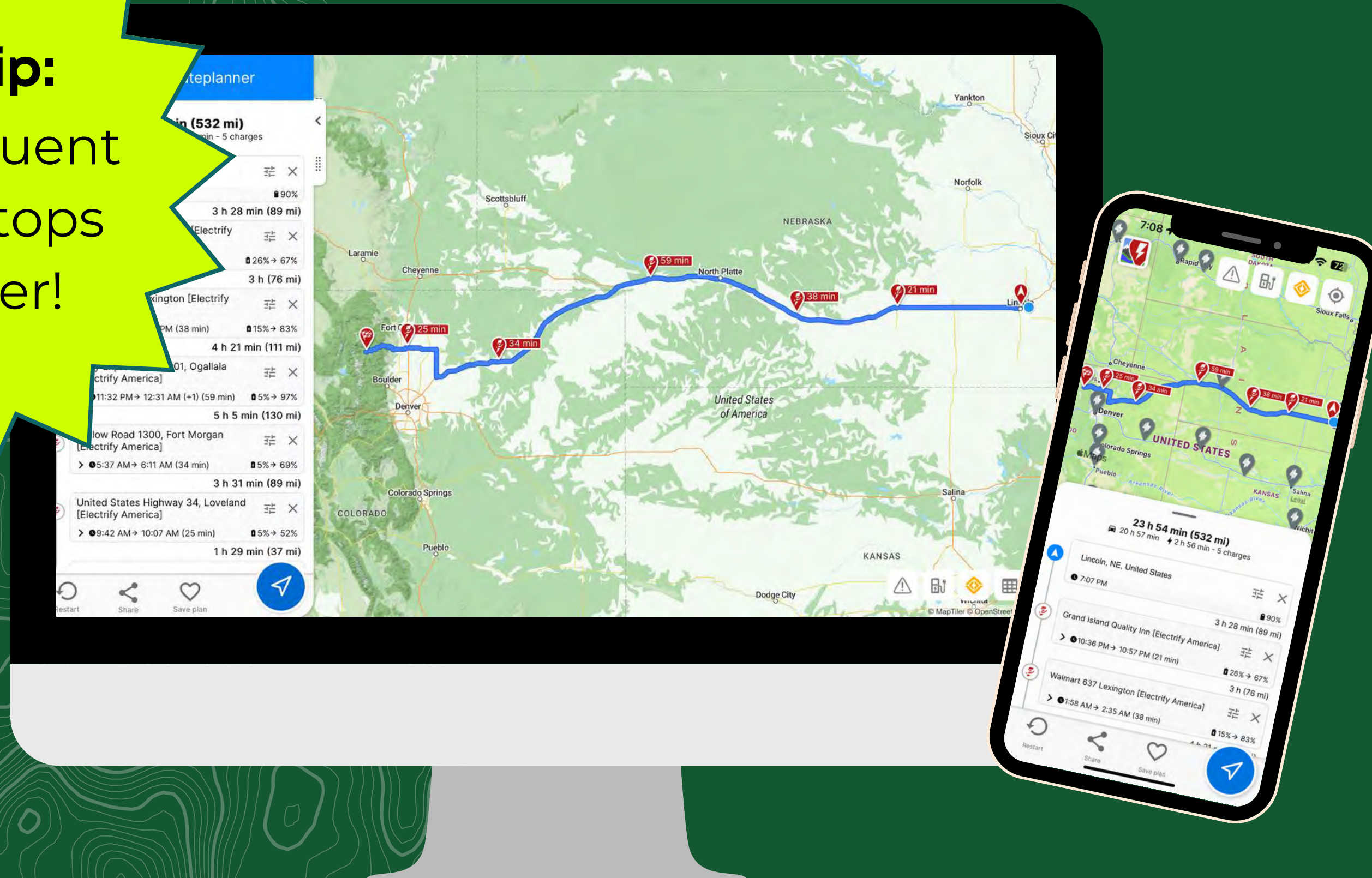
# Planning an EV+ RV Trip

- Find your route
- Check charger speeds & reliability
- Have a back up plan
- Use charge stops wisely
- Look ahead to see if you need to drop the trailer
- Bring your EV Essentials



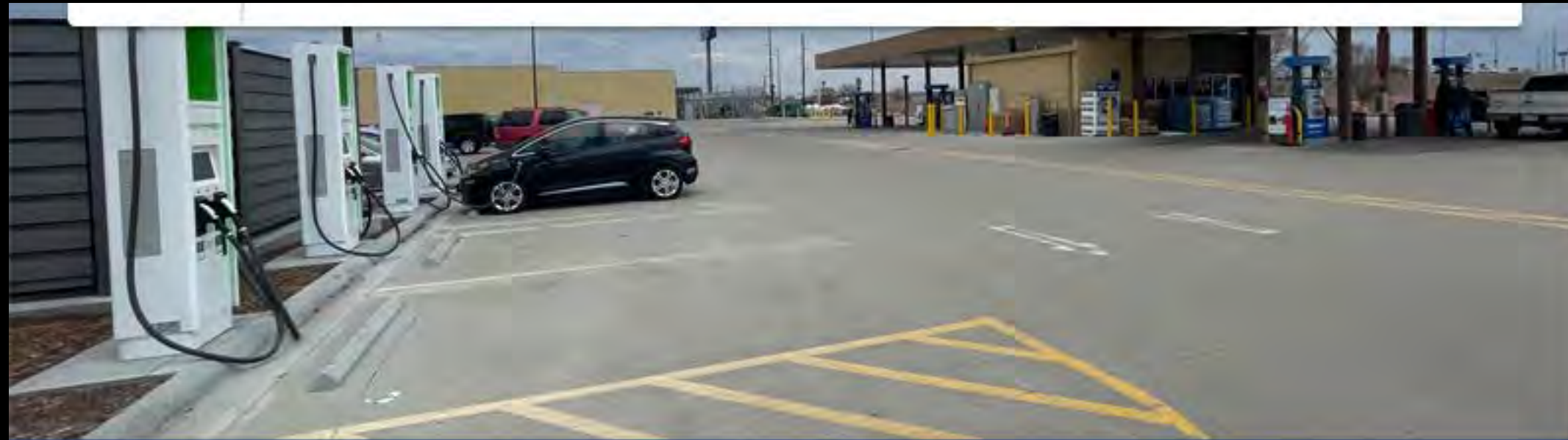
## Bonus Tip:

Short Frequent  
Charge Stops  
are better!



# Step 1: Plan Your Route





**5.5** Walmart Supercenter 

CCS/SAE, CHAdeMO

Electrify America **50 - 350 kW**



Check In

# Step 2: Check Speed & Reliability



### ChargePoint Charging Station

No reviews  
Electric vehicle charging station ·  
1128 L St  
Open 24 hours · (888) 758-4389

[Website](#) [Add stop](#)

🔌 J1772 · 6.48 kW 1/2

### EV Connect Charging Station

No reviews  
Electric vehicle charging station ·  
14989 US-385  
(866) 816-7584

[Website](#) [Add stop](#)

🔌 CCS · 150 kW 2/2

### Electrify America Charging Station

3.8 ★★★★★ (6)  
Electric vehicle charging station ·  
7838 S. Hwy 281 Building A, 7838  
US-281  
Open 24 hours · (833) 632-2778

[Website](#) [Add stop](#)

🔌 CCS · 350 kW Total 4  
🔌 CCS · 150 kW Total 3  
🔌 CHAdeMO · 50 kW Total 1

### ChargePoint Charging Station

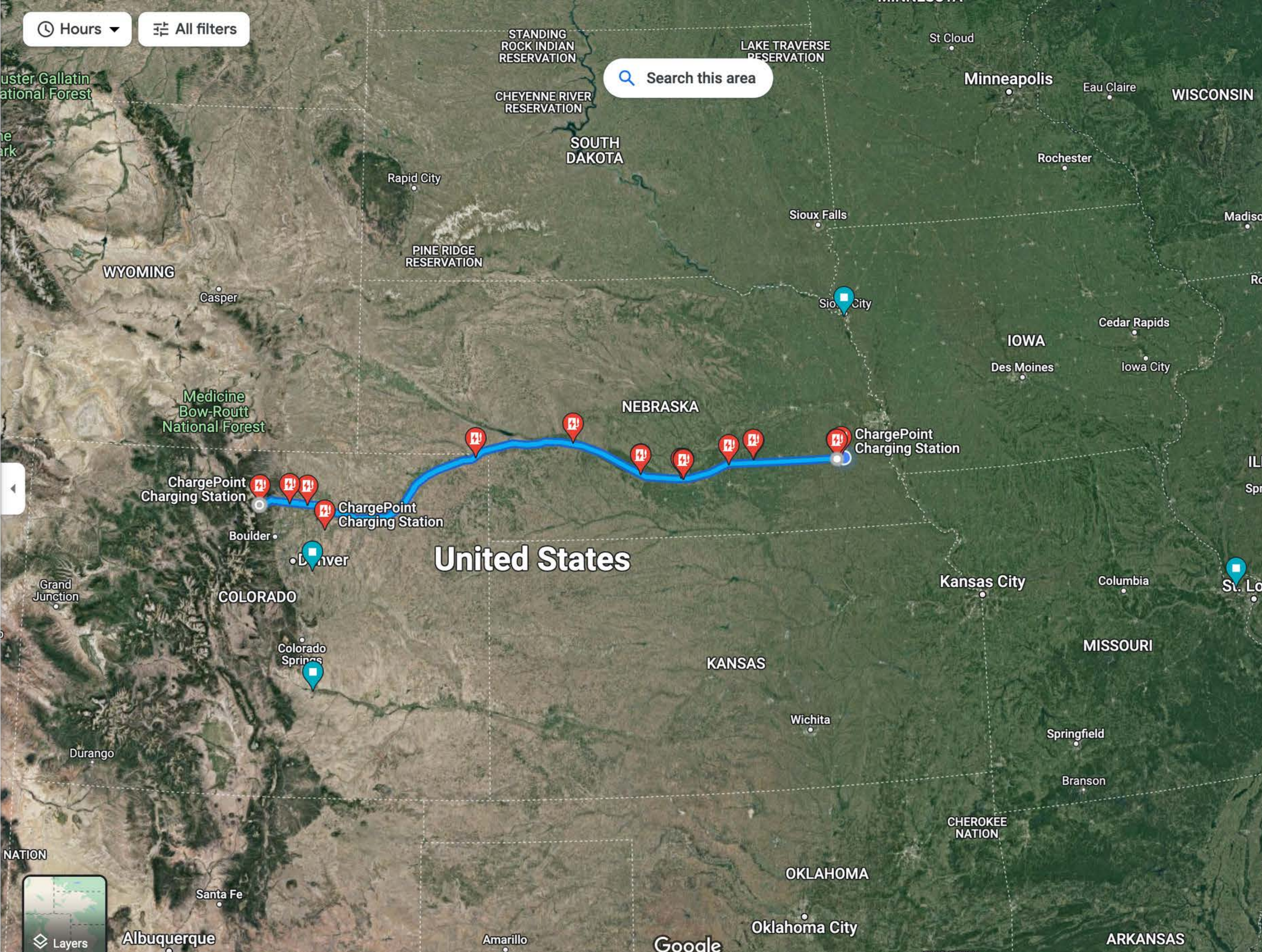
No reviews  
Electric vehicle charging station ·  
6345 Madison Ave  
Open · Closes 10 PM · (888)  
758-4389

[Website](#) [Add stop](#)

🔌 J1772 · 6.48 kW 1/1

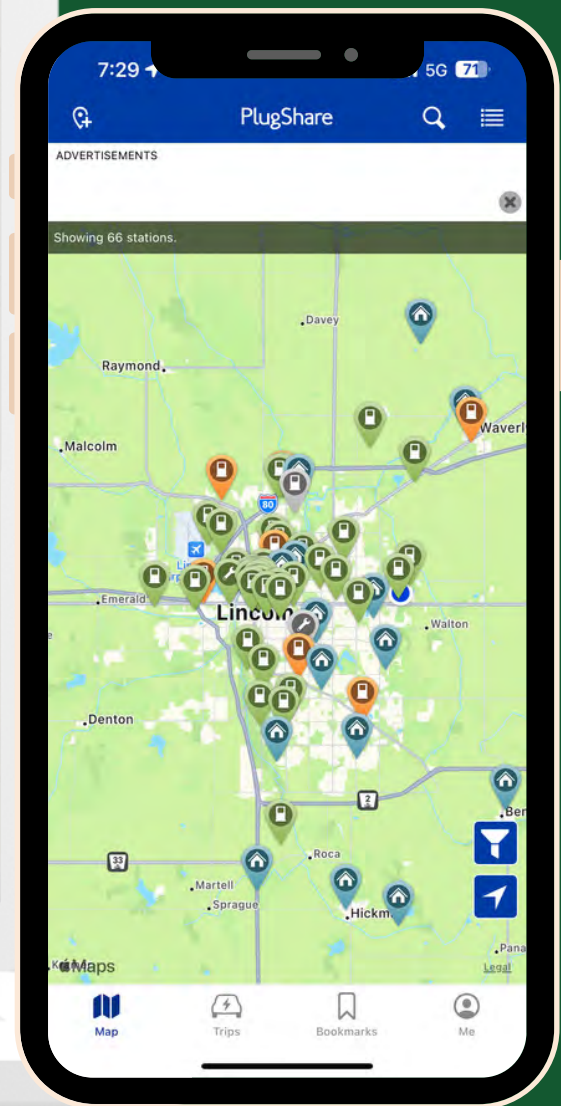
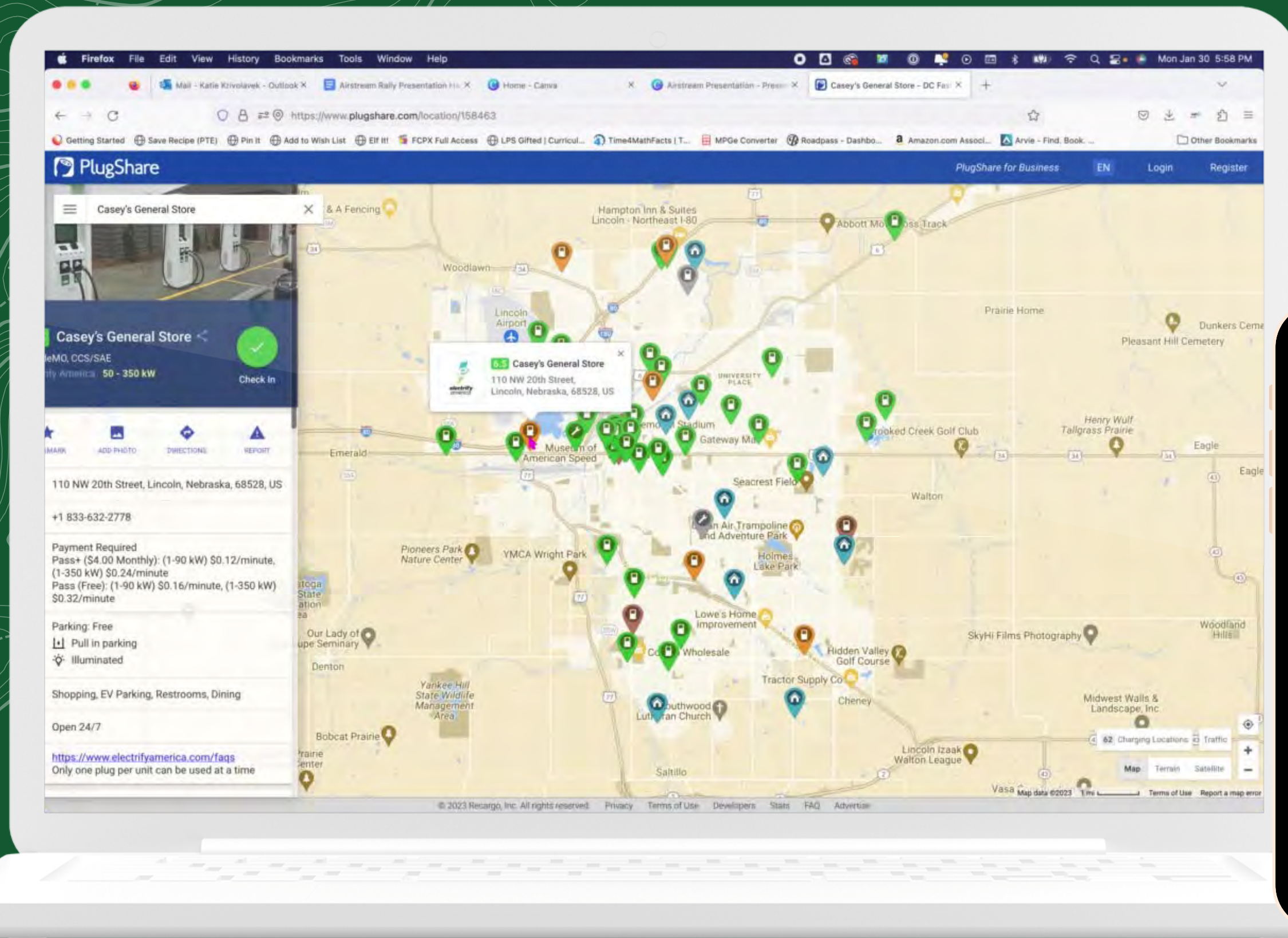
### Electrify America Charging Station

[Website](#) [Add stop](#)



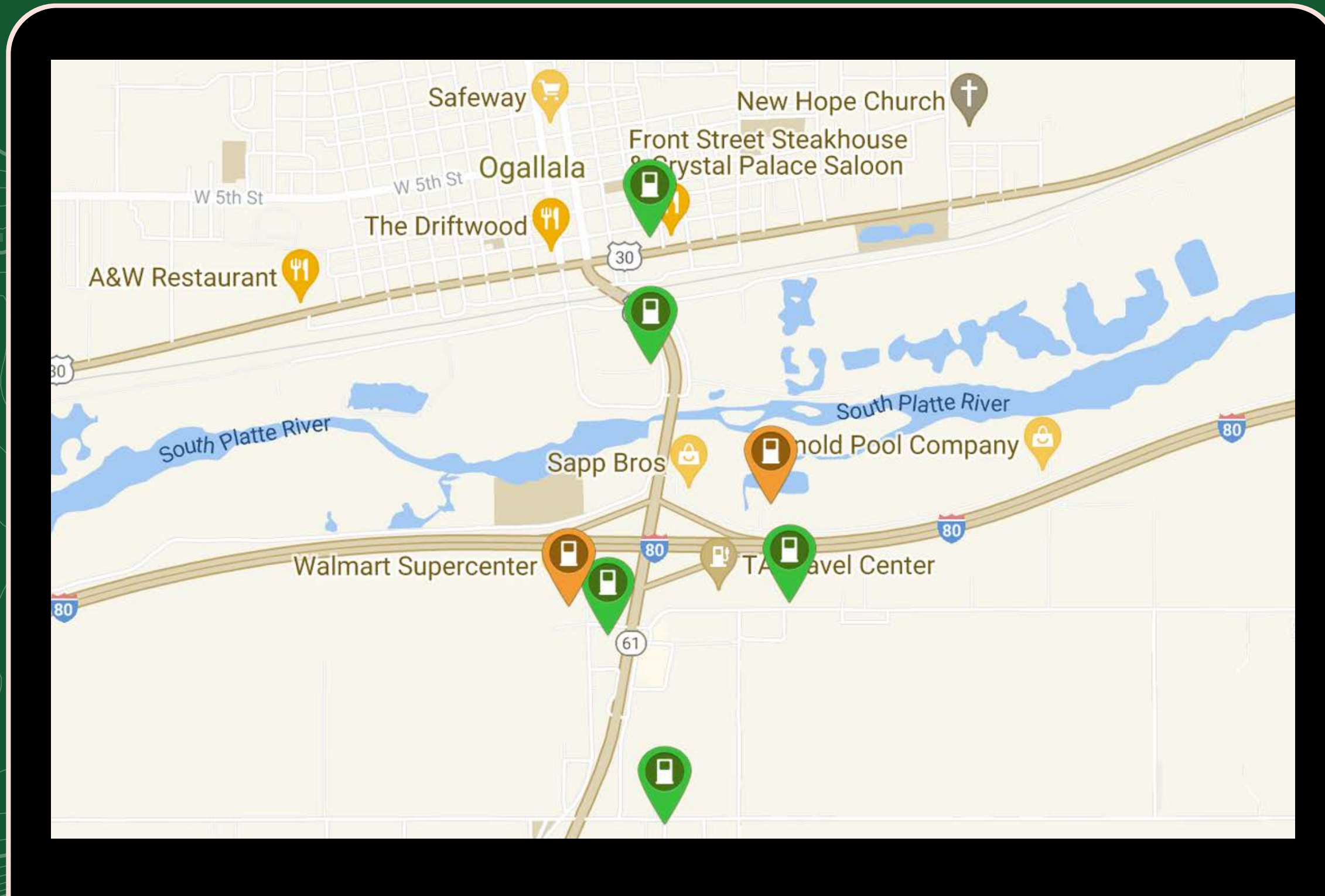
Layers





Step 2: Check Speed & Reliability





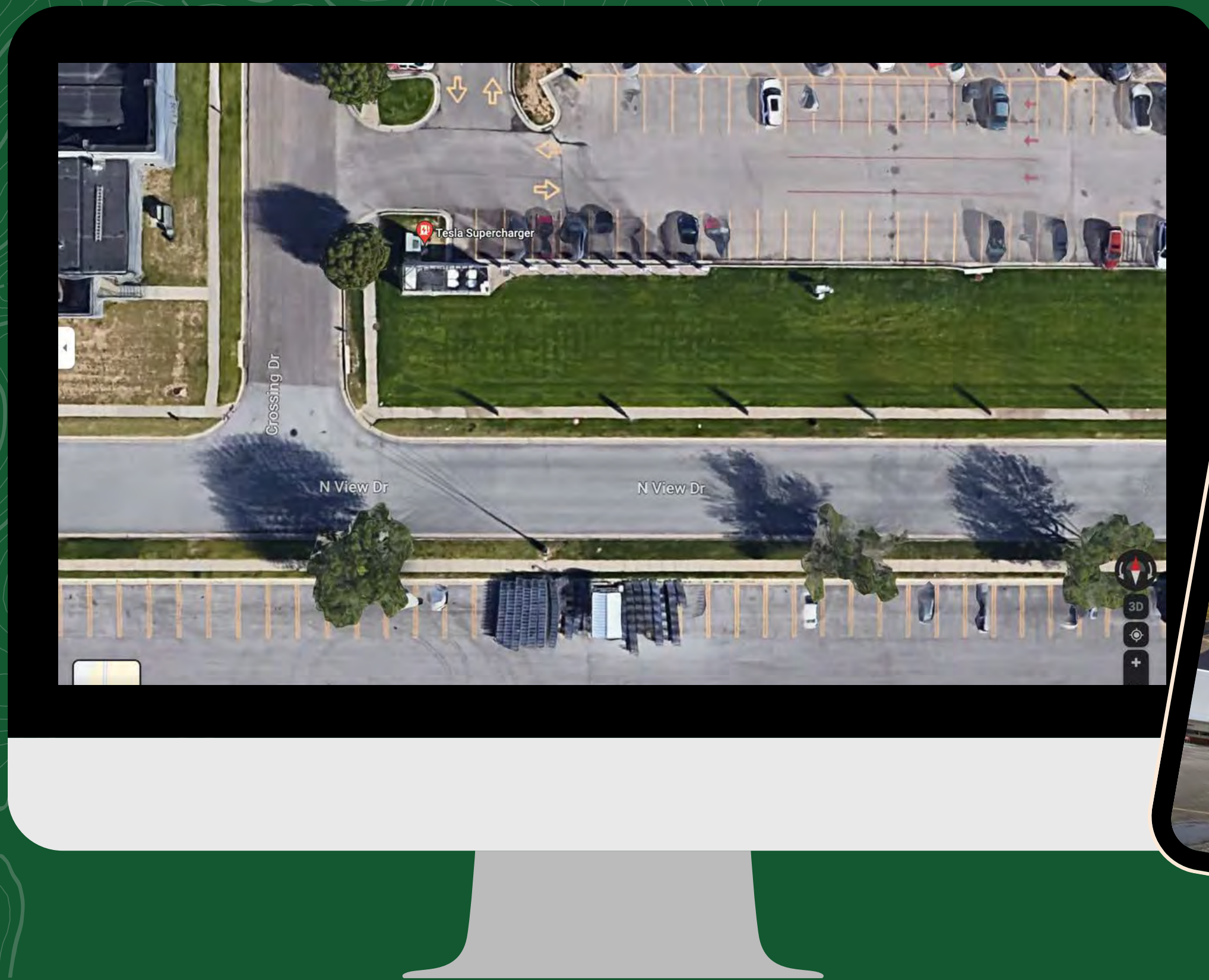
Step 3: Have a back up plan.





Step 4: Use Stops Wisely





Step 5: Look Ahead





Power Watchdog



J-1772 Adapter



EV 30 Amp Adapter



50 Amp Extension Cord



Travel Charger



Charger Ends

# Step 6: Pack EV Essentials



# *Managing Chargers with an RV*

- Get creative
- Look ahead
- Drop your trailer in a quiet corner
- Have a hitch lock





# *Campground Charging*

- What do you need?
- Etiquette for campground charging
- Will I cause a black out?
- What about extra costs to the campground owner?
- Can I boondock?





*Have fun!*



**Thank you!**

# Questions?

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[www.allelectricfamily.com](http://www.allelectricfamily.com)**