



GDOT ELECTRIC VEHICLE INFRASTRUCTURE PLAN

Georgia Department of Transportation

P.I. Nos. 0019828, 0019829, 0019830, 0019831, 0019832 –

Georgia NEVI

Deployment Program: Round 1



LOVE'S NEVI PROPOSAL

Exec-Summary

November, 2023



The Love's Family of Companies

Executive Summary:

Part A – Overview of Georgia NEVI Locations Selected

Love’s Travel Stops and Country Stores (“Love’s”) proposes to install NEVI compliant direct current fast charging (DCFC) stations [REDACTED] in Georgia. Each site is within one (1) driving mile of the nearest highway exit or intersection with the named route(s).

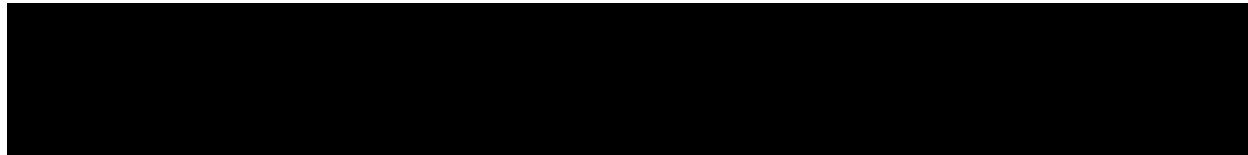
Highway	Site Location
I-95/US-82/Exit 29	Love's Travel Stop – #405 Brunswick: 2766 U.S. Highway 17 S, Brunswick, GA, 31523

Love’s engaged in a rigorous site selection to select the sites best suited for the installation of DC fast charging equipment within Georgia’s targeted areas. Love’s site selection process considered a variety of factors, including geographic dispersion, public availability, designated parking, facility amenities, ADA compliance, safety, proximity to public amenities and suitability of the site hosts. The selected sites fill spatial gaps in the current and planned DCFC network and expeditiously increase the ratio of DCFC per registered electric vehicles (EVs) in Georgia ensuring that drivers can travel across and within the region without experiencing range anxiety. As a result, Love’s has identified EV charging sites that are optimally placed along the Segments identified by the that will provide the State of Georgia robust 24/7 EV charging network for Georgia’s highways and fill critical gaps.

Part B – General Approach to Design & Construction, and Operations

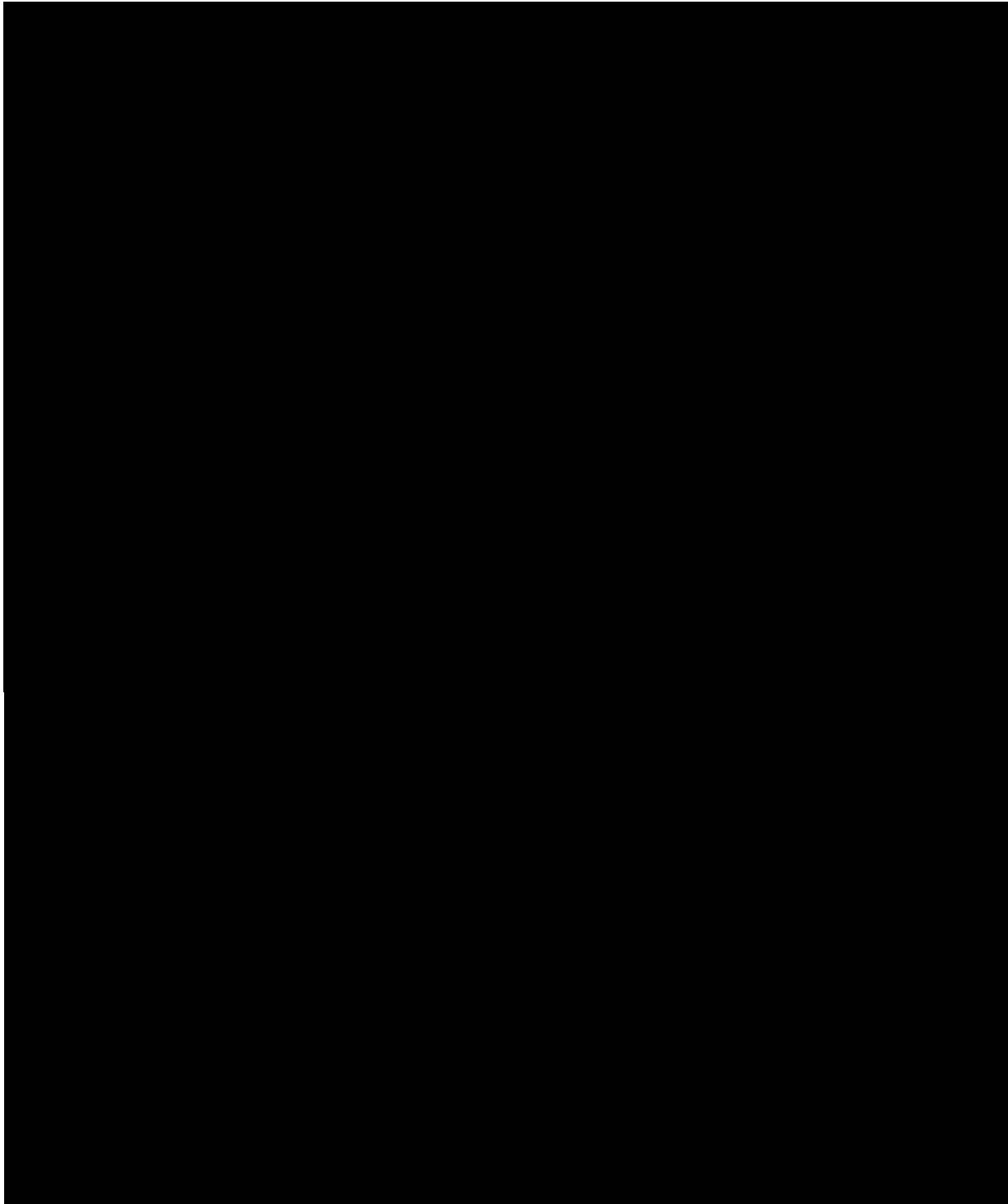
Love’s has assembled a team of market leaders in the design, development, deployment, and operations of electric vehicle (EV) charging infrastructure to provide communities in Georgia with a turnkey solution for EV charging. Love’s EV Project Team consists of Love’s (Site Owner/Operator), Trillium Energy (Design Build and Installation), and ChargePoint (EVSE hardware/software provider). Love’s EV Project Team will secure applicable site agreements, secure permits, install ChargePoint’s state-of-the-art equipment, and provide five-years of warranty and maintenance, 24/7 customer service, and reports through ChargePoint’s Assure and Enterprise Cloud program. Love’s is committed to ensuring that the DCFC is operational for a minimum of 97% of the time 24/7/365 for the full project performance period and continuing beyond the minimum 5-year requirement.

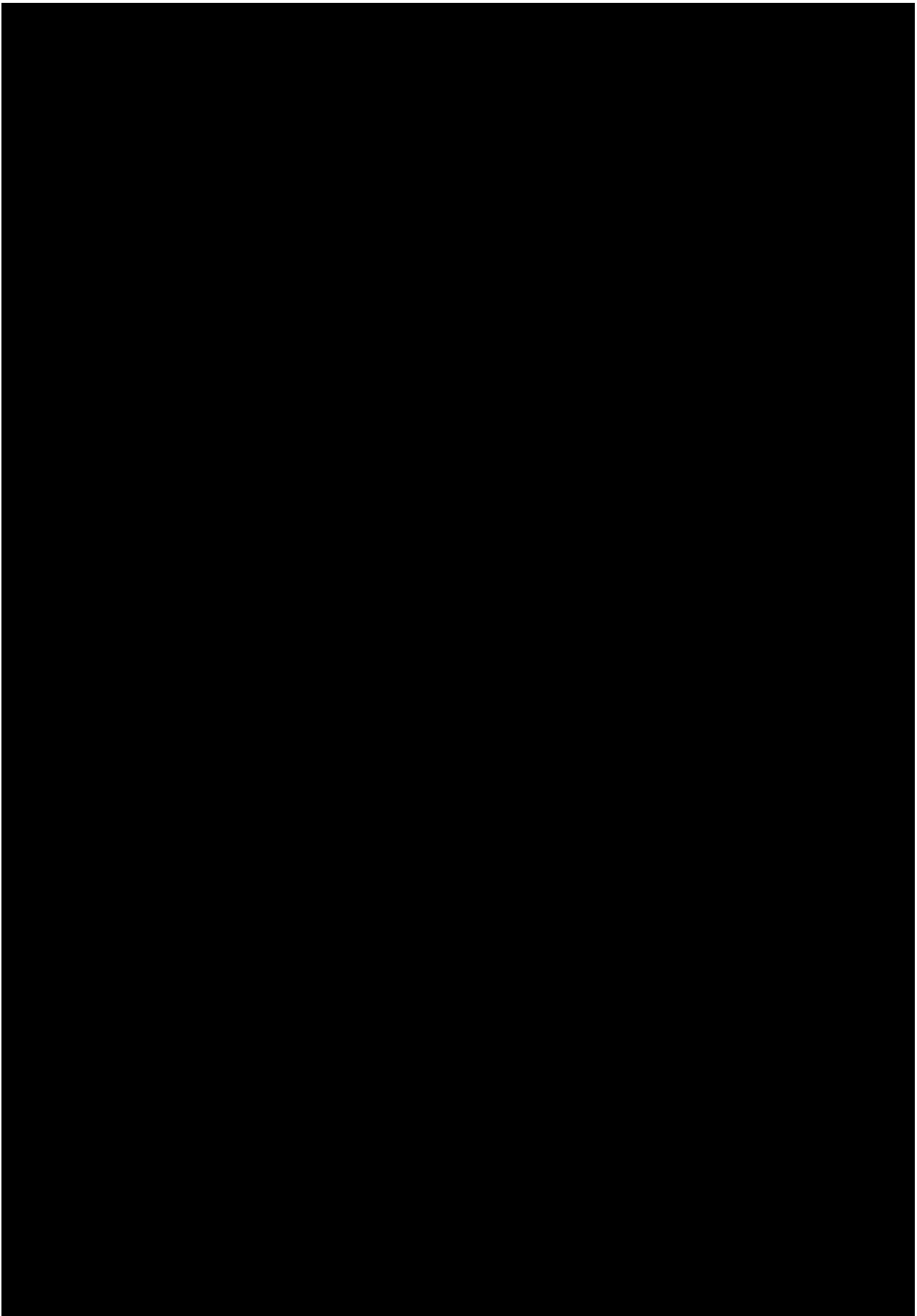
During construction, contractors and visitors to active construction sites are required to follow all applicable OSHA regulations. All general contractors for Engineering, Procurement, and Construction tasks will be required to submit a Safety Plan to Love’s for review, and those general contractors are required to enforce their safety plan with their subcontractors. This will include performing a call before beginning earthwork, underground locates, and a barricade will be erected around the construction area to ensure guest safety during construction and storage container for any necessary on-site materials. Once charger installation and site construction are completed the charging station areas will be kept clean and clear of snow and debris. Bollards and wheel stops will be installed to protect charging equipment from vehicle collisions or snow removal around the charging infrastructure, while overhead safety lighting and general lighting mitigates vandalism and risk to driver’s personal safety. The site will also be equipped with fire extinguishers and AEDs for additional site safety.



Love's and ChargePoint believe customer support is critical to the EV driver experience. Each site will have 24/7 on-site staff to assist drivers. ChargePoint has support agents to provide 24/7/365 driver support in multiple languages including English, French, and Spanish.

Part C – Proposed Project Site Design





Love's Travel Stop –Store #405 Brunswick: 2766 US Highway 17 S, Brunswick, GA, 31523

Open 24/7 every day, Love's Travel Stop in Brunswick will provide a safe, convenient, and accessible public charging destination. The site is located 0.1 miles from Exit 29 from I-95 and addresses the site gap for I-95. This location is a frequently visited convenience store and among high density commercial development near neighboring amenities including dining, retail, hospitality, service establishments, and recreational areas. This location offers proximity to multiple amenities including: On-site dining, fast food, open/free Wireless Internet, on-site customer service staff 24/7/365, ADA-compliant restrooms w/ showers, dog park, laundry, and ATMs. Nearby amenities include: Subway, Chester's Chicken, Godfather's Pizza, Comfort Suites Inn, Goodyear Tire Center, Blue Beacon Truck Wash, and Mr. Snapper's Fish and Chicken.

The site and stations will be well lit from dusk-to-dawn with LED lighting and visible from I-95, I-405 and U.S. Highway 17, providing a safe and comfortable environment to charge day or night. Ingress and egress points are easily accessible for drivers traveling south or north on US-17, while providing five separate locations to enter or exit the location. Drivers traveling south may need to turn left onto Pilot Lane to access the lot. Signage will be installed at the ingress of the site and at each parking spot to safely direct and identify the availability of charging stations to approaching drivers and any other critical signage will be identified in the final site design process.

This site will include two (2) dual-port Power Link dispensers with liquid-cooled cables for a total of four (4) ports each with a permanently attached SAE CCS Type 1 connector & NACS connector at the time of installation, and four (4) Power Block housing units, up to sixteen (16) 40kW power modules providing up to 160kW per port (for a total of 600 kW at the site). Stations will be located within the previously disturbed paved parking area visible from I-95, U.S. Highway 17, and Pilot Lane. At least 1 parking space per site will meet ADA accessible design standards and have an ADA compliant path of travel between station and business entrance.

