
Appendix B

Trip Lenth Calculations

1M Warehouse Project

Truck Triplength Estimate

537 37.4%

Source: EMFAC2021 (v1.0.2) Emission Rates

Region Type: Sub-Area

Region: San Bernardino (MD)

Calendar Year: 2025

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Trips
San Bernardino (MD)	2025	HHDT	Aggregate	Aggregate	Diesel	13290.67817	848181030.4	86827430.35
San Bernardino (MD)	2025	LHDT1	Aggregate	Aggregate	Diesel	10857.0041	131101108.6	44657557.29
San Bernardino (MD)	2025	LHDT2	Aggregate	Aggregate	Diesel	4701.002143	58358160.19	19336390.64
San Bernardino (MD)	2025	MHDT	Aggregate	Aggregate	Diesel	2781.840623	50399394	11561173.23
Average							79952887.6	25185040.39

Percent of Trucks	Number of Trucks	Model Year	Speed	Fuel	Population	Total VMT	Trips	VMT/trip	LHDT1, LHDT2, MHDT summed	
									VMT	Trips
2-Axle Trucks	16.8%	90	LHDT1, LHDT2			189,459,269	63,993,948	2.960581038	239,858,663	75,555,121
3-Axle Trucks	20.7%	111	MHDT			50,399,394	11,561,173	4.359366737		
4+-Axle Trucks	62.6%	336	HHDT			848,181,030	86,827,430	9.768583809		
Weighted Average (All Trucks)						572876151.1	67442760.04	8.494257215		

Assume all HHDT trip to port and use project specific trip distance

Assume all 2-4 Axle Trucks make local deliveries within County and use EMFAC average VMT/trip.

Percent of Trucks	Number of Trucks	Model Year	Speed	Fuel	Population	Total VMT	Trips	VMT/trip
2-Axle Trucks	16.8%	90	LHDT1, LHDT2			189,459,269	63,993,948	4.36
3-Axle Trucks	20.7%	111	MHDT			50,399,394	11,561,173	4.36
4+-Axle Trucks (50%)	31.3%	168	HHDT					108
4+-Axle Trucks (50%)	31.3%	168	HHDT					9.77
Weighted Average (All Trucks)								38.48

Bumped up to MHDT length

50% HHDT from Port of Long Beach

50% Depart Warehouse and Based on EMFAC Regional HHDT Trip Distance

Best 3 hr 19 16 hr 2 days 11 hr

Port of Long Beach, Long Beach, CA 90801
34.5956374, -117.1880053

Add destination

Leave now

Options

Send directions to your phone

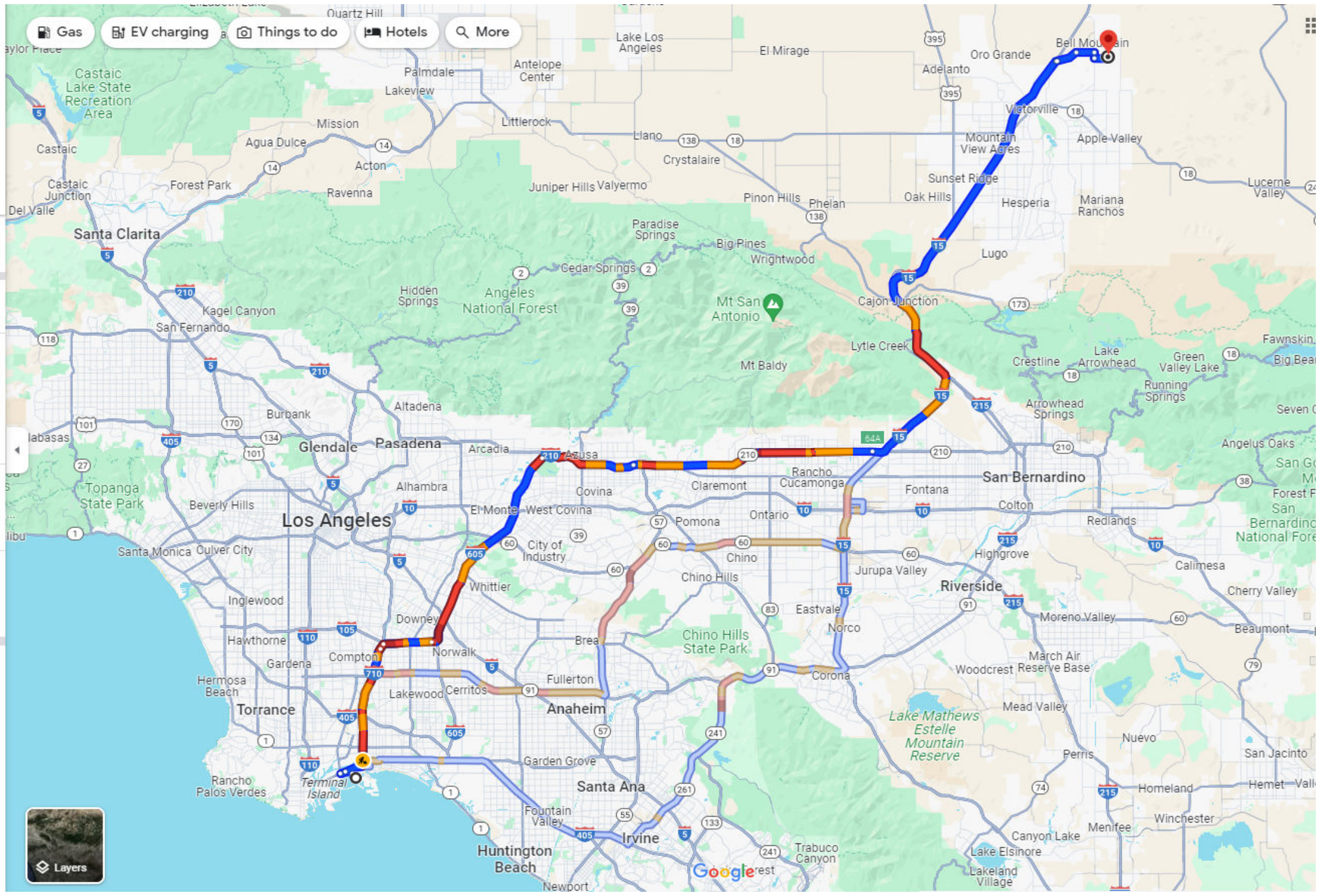
via I-15 N **3 hr 19 min**
Best route now due to traffic conditions
108 miles
[Details](#)

via I-405 S and I-15 N **3 hr 13 min**
Heavy traffic, as usual
120 miles

via CA-91 E and I-15 N **3 hr 21 min**
Heavy traffic, as usual
112 miles

Explore 34.5956374, -117.1880053

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