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Traffic Assessment Memorandum

JD Allen Properties
Long Term Trailer Drop Lot
Hall County, Georgia
Submitted: September 15, 2026

Traffic Assessment:

The proposed trailer parking lot is located on Calvary Church Road, which connects into Candler Road to the north and Popular Springs Church Road to the south, and is about 1 mile south of I-985. The proposed lot will provide approximately 400 parking spaces for trailers. The lot is anticipated to be a long-term drop lot.

Calvary Church Road is a 2-lane rural road with rolling terrain and a posted speed limit of 45 mph. It is assumed that the truck traffic percentage is 0-4%. The existing daily traffic on Calvary Church Road is estimated to be 4,000-8,000 vehicles per day (VPD). Per the Federal Highway Administration's (FHWA) generalized service volume table for rural two-lane highways (Table 17 provided below), the traffic impacts of the trailer drop lot are expected to be minimal and will not affect the Level of Service (LOS).

Table 17. Rural two-lane highways generalized service volume table.

Speed Limit	Terrain	Truck Pct.	Level of Service—B Service Volume	Level of Service—C Service Volume	Level of Service—D Service Volume
45	Flat	0	3,600	8,700	13,900
45	Flat	2	3,500	8,700	13,900
45	Flat	4	3,500	8,700	13,900
45	Flat	6	3,500	8,700	13,900
45	Flat	8	3,400	8,600	13,900
45	Flat	10	3,400	8,600	13,900
45	Rolling	0	3,600	8,700	13,900
45	Rolling	2	3,500	8,600	13,900
45	Rolling	4	3,400	8,500	13,900
45	Rolling	6	3,300	8,400	13,900
45	Rolling	8	3,300	8,200	13,900
45	Rolling	10	3,200	8,100	13,900
45	Mountainous	0	3,600	8,700	13,900
45	Mountainous	2	3,200	7,700	12,300
45	Mountainous	4	2,800	7,000	11,100
45	Mountainous	6	2,600	6,300	10,100
45	Mountainous	8	2,400	5,800	9,300
45	Mountainous	10	2,200	5,400	8,500

The service volumes in the tables are the maximum values that can be maintained and still be within the Level of Service (LOS) range. For example in the first row of the freeway table, if the actual volume is less than or equal to 46,100, then it is LOS B. Therefore, the service volumes in the tables are the **maximum** volumes that can be achieved for that LOS category.

A land use for a trailer drop lot is not provided by the ITE Trip Generation Manual. However, a similar truck lot is operational just south of the proposed site, on Calvary Industrial Drive. 48-hour traffic counts were attempted but it was discovered that the road was privately owned and the owner asked for our counting equipment to be removed so we only retrieved 24 hours of data. We estimate the existing lot provides a trailer parking capacity of approximately 200 trailers. Using the data collected and scaling it based on the capacity of parking spaces, we assumed the proposed lot would generate double the trips counted at the existing facility.

The observed daily traffic trips generated by the trailer drop lot was 78 trips on a weekday. There were 41 trips entering and 37 exiting. Of those 78 trips, only 30% were trucks. It appears the lot is operational 24 hours a day, as the trips were distributed from 2 am to 11 pm. The entering trips were an average of 2 trips per hour, with a peak of 5 trips at 4 pm. The exiting trips were also an average of 2 trips per hour, with two peaks of 5 trips at 8 am and 12 pm.

Based on this data, the following is presumed for the proposed trailer drop lot:

- Weekday trips = 160 trips
- Weekday AM peak-hour trips = 18 trips (8 entry, 10 exit)
- Weekday Midday peak-hour trips = 18 trips (8 entry, 10 exit)
- Weekday PM peak-hour trips = 16 trips (10 entry, 6 exit)

None of these peak-hour volumes approach the threshold for GDOT standard requirements for turn lane or driveway improvements.

Based on the projected trips during the weekday peak-hours, it is projected the long term drop trailer lot will have a minimal impact on the surrounding traffic network.

Respectfully Submitted,

David Mills, PE
Sr. Traffic Engineer

REFERENCE ATTACHMENTS:

Preliminary Traffic Impact Worksheet
Existing Trip Counts

PRELIMINARY TRAFFIC IMPACT WORKSHEET

Address of property: ~~1646 Candler Road~~ (Access from Calvary Church Road) 1555 Unit C Calvary Church Rd

Tax Parcel Number: 15031-000027

Type of Development (Circle One): Commercial or Industrial or Residential or Other

Any new public roadways? (Circle One): Yes or No
Proposed Development Less Than 20 Lots (Circle One): Yes or No

Existing streets adjacent to property:	1) Calvary Church Road (2 Lane-Rural)	3)
	2) Candler Road (2 Lane-Rural)	4)
Volume on each existing street (AADT):	1) 7,500	3)
	2) 14,400	4)
Level of Service (LOS) on each street:	1) C	3)
	2) E	4)

Land Use Type / Code (ITE Trip Generation): N/A

Basis for Calculation (sq ft, # units, etc.): Existing Counts

Trips Generated by Proposed Development: Daily (weekday) = 160 trips

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Adjusted street volumes based on trips generated:

1) 7,660	3)
2) 14,400	4)

Projected Level of Service (LOS) on each street based on trips generated:

1) C	3)
2) E	4)

* Utilize the website https://gdottrafficdata.drakewell.com/publicmultinodemap.asp for current volume data.

**Utilize the website https://www.fhwa.dot.gov/policyinformation/pubs/pl18003/chap00.cfm for LOS calculations/tables.

*** Use current edition of the ITE Trip Generation Manuals.

Vehicle Classification Report - Hourly

Calvary Ind Dr East of GA Mountain Food Bank
Site Description: Calvary Ind Dr East of GA Mountain Food Bank
Site Number: 1
Start Date: 08/26/2026
End Date: 08/27/2026

FHWA Vehicle Classification	
Class 1 - Motorcycles	Class 8 - Four or Fewer Axle Single-Trailer Trucks
Class 2 - Passenger Cars	Class 9 - Five-Axle Single-Trailer Trucks
Class 3 - Other Two-Axle, Four-Tire Single Unit Vehicles	Class 10 - Six or More Axle Single-Trailer Trucks
Class 4 - Buses	Class 11 - Five or fewer Axle Multi-Trailer Trucks
Class 5 - Two-Axle, Six-Tire, Single-Unit Trucks	Class 12 - Six-Axle Multi-Trailer Trucks
Class 6 - Three-Axle Single-Unit Trucks	Class 13 - Seven or More Axle Multi-Trailer Trucks
Class 7 - Four or More Axle Single-Unit Trucks	

		FHWA Vehicle Classification - Total Study												
	Total	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
Northbound	37	0	15	10	0	0	7	0	0	5	0	0	0	0
Percent	*100.0%*	*0.0%*	*40.5%*	*27.0%*	*0.0%*	*0.0%*	*18.9%*	*0.0%*	*0.0%*	*13.5%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*
Southbound	41	0	17	12	0	0	7	0	0	5	0	0	0	0
Percent	*100.0%*	*0.0%*	*41.5%*	*29.3%*	*0.0%*	*0.0%*	*17.1%*	*0.0%*	*0.0%*	*12.2%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*
Total	78	0	32	22	0	0	14	0	0	10	0	0	0	0
Percent	*100.0%*	*0.0%*	*41.0%*	*28.2%*	*0.0%*	*0.0%*	*17.9%*	*0.0%*	*0.0%*	*12.8%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*

Site Description: Calvary Ind Dr East of GA Mountain Food Bank
Site Number: 1
Start Date: 08/26/2026
End Date: 08/27/2026

ALL TRAFFIC DATA SERVICES

Vehicle Classification Report (Northbound - 08/26/2026)

Wednesday		Northbound												
		Classes												
	Total	1	2	3	4	5	6	7	8	9	10	11	12	13
8/26/26														
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	2	0	1	1	0	0	0	0	0	0	0	0	0	0
10:00 AM	2	0	1	0	0	0	1	0	0	0	0	0	0	0
11:00 AM	3	0	1	0	0	0	1	0	0	1	0	0	0	0
12:00 PM	5	0	3	1	0	0	1	0	0	0	0	0	0	0
1:00 PM	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	1	0	0	1	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	3	0	1	1	0	0	0	0	0	1	0	0	0	0
5:00 PM	2	0	2	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	2	0	2	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 PM	3	0	0	3	0	0	0	0	0	0	0	0	0	0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	2	0	1	1	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM - 6:00 PM	5	0	3	1	0	0	0	0	0	1	0	0	0	0
6:00 AM - 7:00 PM	21	0	12	4	0	0	3	0	0	2	0	0	0	0
12:00 AM - 12:00 AM	26	0	13	8	0	0	3	0	0	2	0	0	0	0
Percent	*100%*	*0.0%*	*50.0%*	*30.8%*	*0.0%*	*0.0%*	*11.5%*	*0.0%*	*0.0%*	*7.7%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*

Site Description: Calvary Ind Dr East of GA Mountain Food Bank
Site Number: 1
Start Date: 08/26/2026
End Date: 08/27/2026

Vehicle Classification Report (Southbound - 08/26/2026)

Wednesday		Southbound												
		Classes												
	Total	1	2	3	4	5	6	7	8	9	10	11	12	13
8/26/26														
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 AM	3	0	2	1	0	0	0	0	0	0	0	0	0	0
10:00 AM	2	0	1	0	0	0	0	0	0	1	0	0	0	0
11:00 AM	3	0	1	2	0	0	0	0	0	0	0	0	0	0
12:00 PM	4	0	1	2	0	0	1	0	0	0	0	0	0	0
1:00 PM	1	0	0	0	0	0	0	0	0	1	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	5	0	3	1	0	0	1	0	0	0	0	0	0	0
5:00 PM	3	0	0	2	0	0	0	0	0	1	0	0	0	0
6:00 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0
7:00 PM	1	0	0	0	0	0	1	0	0	0	0	0	0	0
8:00 PM	2	0	0	0	0	0	0	0	0	2	0	0	0	0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	2	0	2	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM - 9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM - 6:00 PM	8	0	3	3	0	0	1	0	0	1	0	0	0	0
6:00 AM - 7:00 PM	22	0	8	8	0	0	3	0	0	3	0	0	0	0
12:00 AM - 12:00 AM	27	0	10	8	0	0	4	0	0	5	0	0	0	0
Percent	*100%*	*0.0%*	*37.0%*	*29.6%*	*0.0%*	*0.0%*	*14.8%*	*0.0%*	*0.0%*	*18.5%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*

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ALL TRAFFIC DATA SERVICES

Vehicle Classification Report (Northbound - 08/27/2026)

Thursday		Northbound												
		Classes												
	Total	1	2	3	4	5	6	7	8	9	10	11	12	13
8/27/26														
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	2	0	0	0	0	0	0	0	0	2	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 AM	2	0	0	1	0	0	0	0	0	1	0	0	0	0
6:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0
7:00 AM	1	0	0	0	0	0	1	0	0	0	0	0	0	0
8:00 AM	5	0	2	1	0	0	2	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM - 9:00 AM	7	0	2	1	0	0	4	0	0	0	0	0	0	0
3:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM - 7:00 PM	7	0	2	1	0	0	4	0	0	0	0	0	0	0
12:00 AM - 12:00 AM	11	0	2	2	0	0	4	0	0	3	0	0	0	0
Percent	*100%*	*0.0%*	*18.2%*	*18.2%*	*0.0%*	*0.0%*	*36.4%*	*0.0%*	*0.0%*	*27.3%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*

Site Description: Calvary Ind Dr East of GA Mountain Food Bank
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ALL TRAFFIC DATA SERVICES

Vehicle Classification Report (Southbound - 08/27/2026)

Thursday		Southbound												
		Classes												
	Total	1	2	3	4	5	6	7	8	9	10	11	12	13
8/27/26														
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 AM	2	0	1	1	0	0	0	0	0	0	0	0	0	0
4:00 AM	4	0	3	1	0	0	0	0	0	0	0	0	0	0
5:00 AM	1	0	1	0	0	0	0	0	0	0	0	0	0	0
6:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	0	0
7:00 AM	2	0	0	0	0	0	2	0	0	0	0	0	0	0
8:00 AM	4	0	2	1	0	0	1	0	0	0	0	0	0	0
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM - 9:00 AM	7	0	2	2	0	0	3	0	0	0	0	0	0	0
3:00 PM - 6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00 AM - 7:00 PM	7	0	2	2	0	0	3	0	0	0	0	0	0	0
12:00 AM - 12:00 AM	14	0	7	4	0	0	3	0	0	0	0	0	0	0
Percent	*100%*	*0.0%*	*50.0%*	*28.6%*	*0.0%*	*0.0%*	*21.4%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*	*0.0%*