
LIMITED TRIP GENERATION MEMO
BARTRAM ADM PROPERTIES
DRI # 4075
HENRY COUNTY, GA

DECEMBER 15, 2023

Prepared By
Maldino and Wilburn, LLC
Traffic Consultants



LIMITED TRIP GENERATION MEMO
BARTRAM ADM PROPERTIES
DRI # 4075
HENRY COUNTY, GA

Prepared by:

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Vern Wilburn



12-15-23

Prepared for:

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- B. Methodology Meeting Packet
- C. Letter from Applicant

LIMITED TRIP GENERATION MEMO

December 15, 2023

Ref: DRI #4075, Bartram ADM Properties

This memo summarizes the expected trip generation as presented in the *Methodology Meeting Packet* (copy attached). Chapter 4 of the MMP addressed the expected trip generation and included a *Heavy Vehicle Routing Plan*.

As discussed at the Methodology Meeting, it was determined that the Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition does not contain trip data for any land use that is similar in trip making characteristics as the activity in this project. Therefore, the trips expected to be generated by the proposed facility are based on experience of the operator and their analysis of the demands of the area. It is expected to handle between 400-500 tons of solid waste per day.

The development of the expected number of trips to be generated by the proposed waste transfer facility are explained in detail in the attached MMP but are summarized in Table 1.

Table 1 – ESTIMATED TRIP GENERATION, WEEKDAYS

VEHICLE TYPE	DAILY		AM PEAK HOUR			PM PEAK HOUR		
	TOTAL	IN/OUT	TOTAL	IN	OUT	TOTAL	IN	OUT
Auto	12	6	6	6	0	6	0	6
5-Ton Truck	400	200	36	18	18	36	18	18
25-Ton Truck	40	20	4	2	2	4	2	2
Total	452	226	46	26	20	46	20	26

As can be seen in Table 1, the number of daily trips expected is 452, which is considerably lower than the maximum 1000 trip per day for the transportation analysis to be addressed in a Limited Trip Generation Memo.

A Limited Trip Generation Memo must also include the *Heavy Vehicle Routing Plan* (Attachment A), the *Methodology Meeting Packet* (Attachment B), and the letter from the applicant requesting that the transportation analysis be allowed as a limited trip generation memo (Attachment C).

Sincerely,



Vern Wilburn, P.E.

Attachments

A. Heavy Vehicle Routing Plan

B. Methodology Meeting Packet

C. Letter from Applicant

Attachment A

Heavy Vehicle Routing Plan

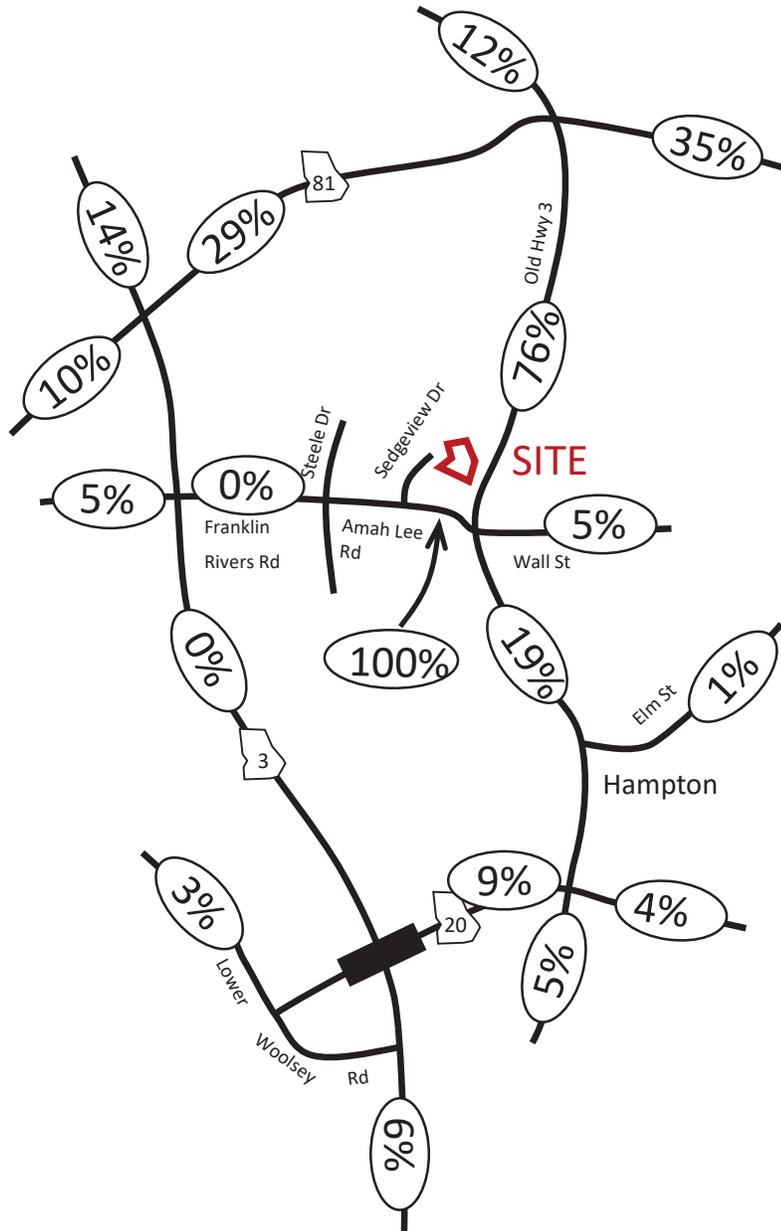
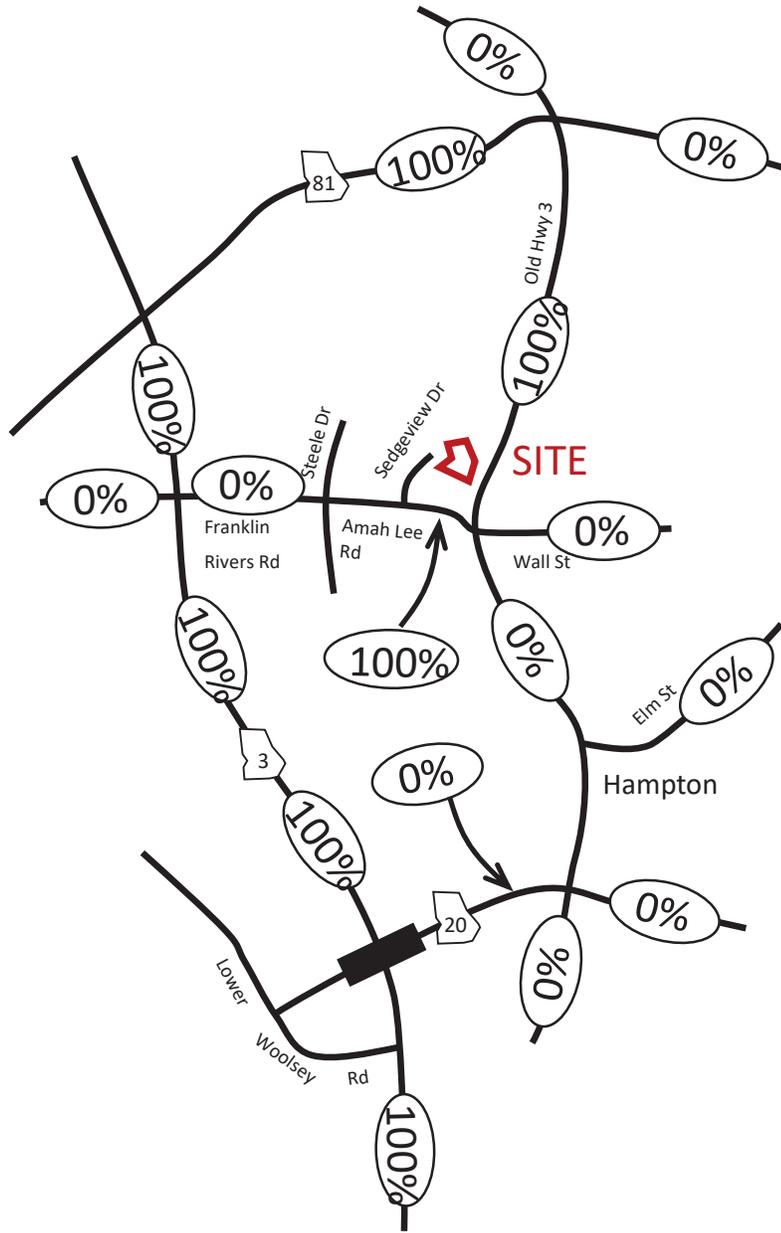


Figure 6A:
HEAVY VEHICLE ROUTING
5-TON TRUCKS



**Figure 6B:
HEAVY VEHICLE ROUTING
25-TON TRUCKS**

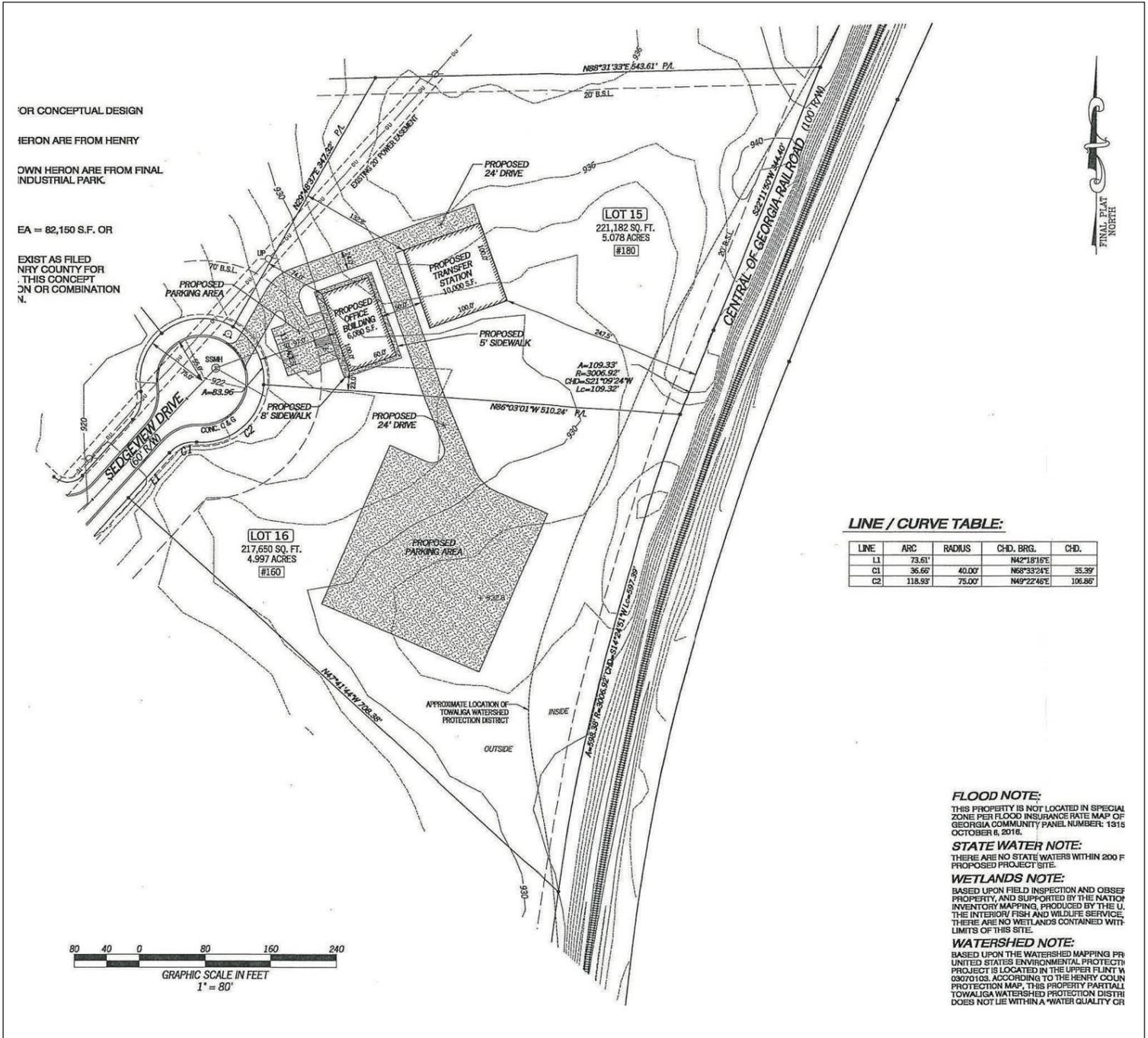


Attachment B

Methodology Meeting Packet

DRI METHODOLOGY MEETING PACKET

BARTRAM ADM PROPERTIES Henry County, GA



DRI Methodology Meeting Packet

DRI Name & Number:

Bartram ADM Properties

Henry County, GA

Pre-Review / Methodology Meeting Date:

September 25, 2023

Project Rendering:

See Cover

Prepared By:

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1864 Lower Fayetteville Rd
Newnan, GA 30265
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Maldino & Wilburn Project No.: 23-31

August 23, 2023

REVISIONS:

1. September 20, 2023
2. October 2, 2023 (after the Methodology meeting)
This revision includes revised heavy vehicle routing maps as requested at the methodology meeting.

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Table 1: Estimated Trip Generation, Weekdays 11

1. Project Location and Overview

1.1 Project Context

- Project Location (address and GPS coordinates)

160 and 180 Sedgeview Drive, Hampton, GA

Latitude: 33° 24' 18" N, Longitude: 84° 17' 31" W

- Proposed Project Uses and Size (sq ft)

The project is proposed as a 10,000 sq. ft. non-hazardous solid waste transfer station with 6,000 sq. ft. of associated office space. Site access is proposed via Sedgeview Drive, which terminates at Amah Lee Road to the south.

- Project Site size (acres)

- 10 acres

- Existing Zoning

M1

- Proposed Zoning

M2

- DRI Review Trigger Including Local Case or Reference Numbers

The proposed rezoning of the property for use as a waste transfer facility is the DRI trigger.

- Requested Transportation Study Type

Limited Trip Generation Memo

- Requested Review Timeline (Expedited or Non-expedited)

Expedited

1.2 Project Orientation

Project Orientation Map

Figure 1 on the following page shows the location of the site.

This DRI is in unincorporated Henry County at 160 and 180 Sedgeview Drive (in Liberty Square Industrial Park), north of Amah Lee Road and west of the Norfolk Southern railway line and Old Highway 3.

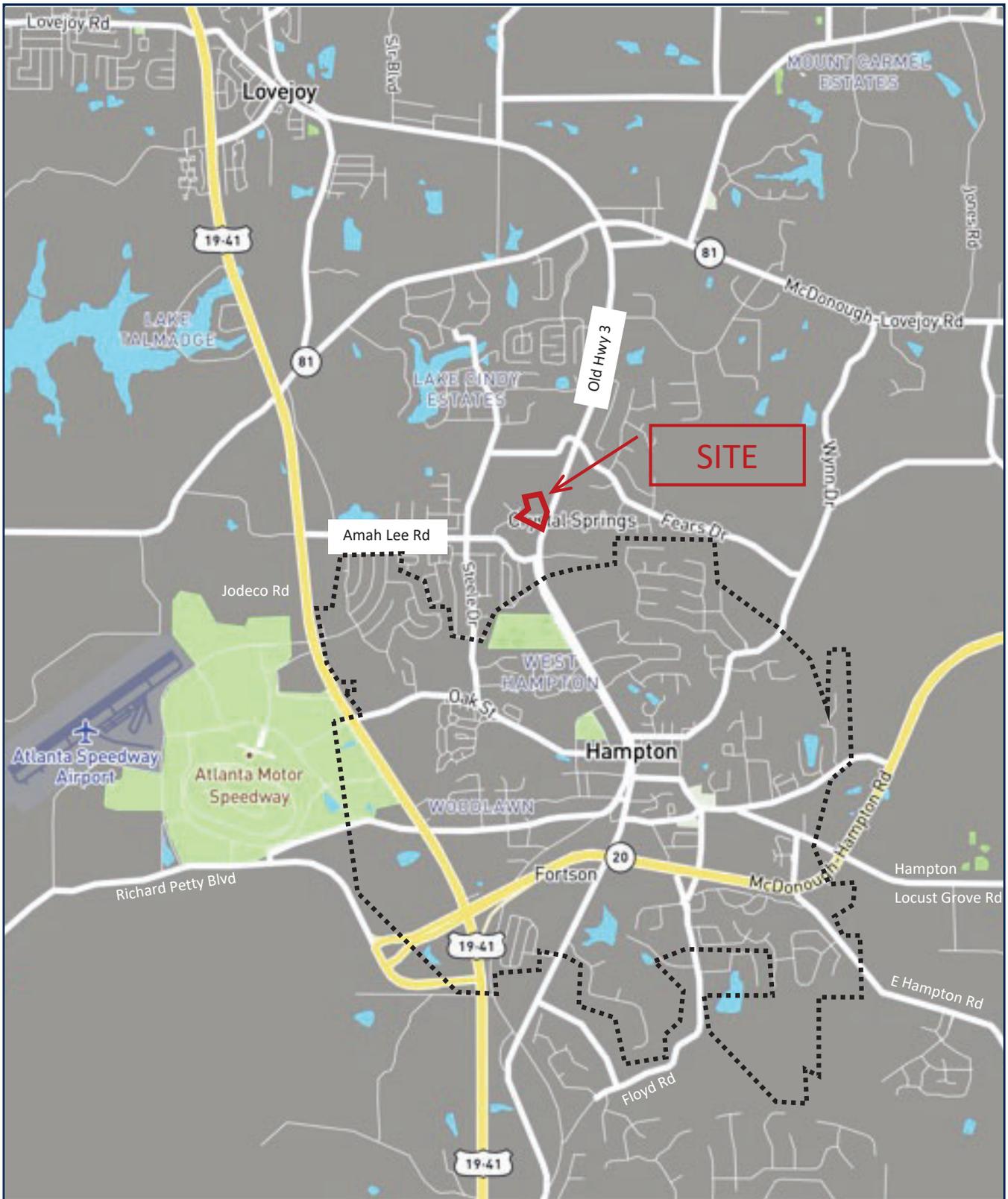
1.3 Project Phasing

The proposed transfer facility is planned for a single phase to be completed in 2025.

Description of How Project Relates to Area's Existing Infrastructure and Future Plans

The proposed land use is consistent with the existing land use in the area. Figure 2 on Page 4 shows the existing uses which include construction contracting operations, heavy equipment storage, and an existing sanitation company.

The requested zoning M2 is similar to the existing M1 zoning, except for some differences in allowable uses. Solid waste facilities are allowed in M2 and not in M1.



MW Maldino & Wilburn
Traffic Engineering Consultants

**Figure 1:
PROJECT LOCATION MAP**



Not to Scale



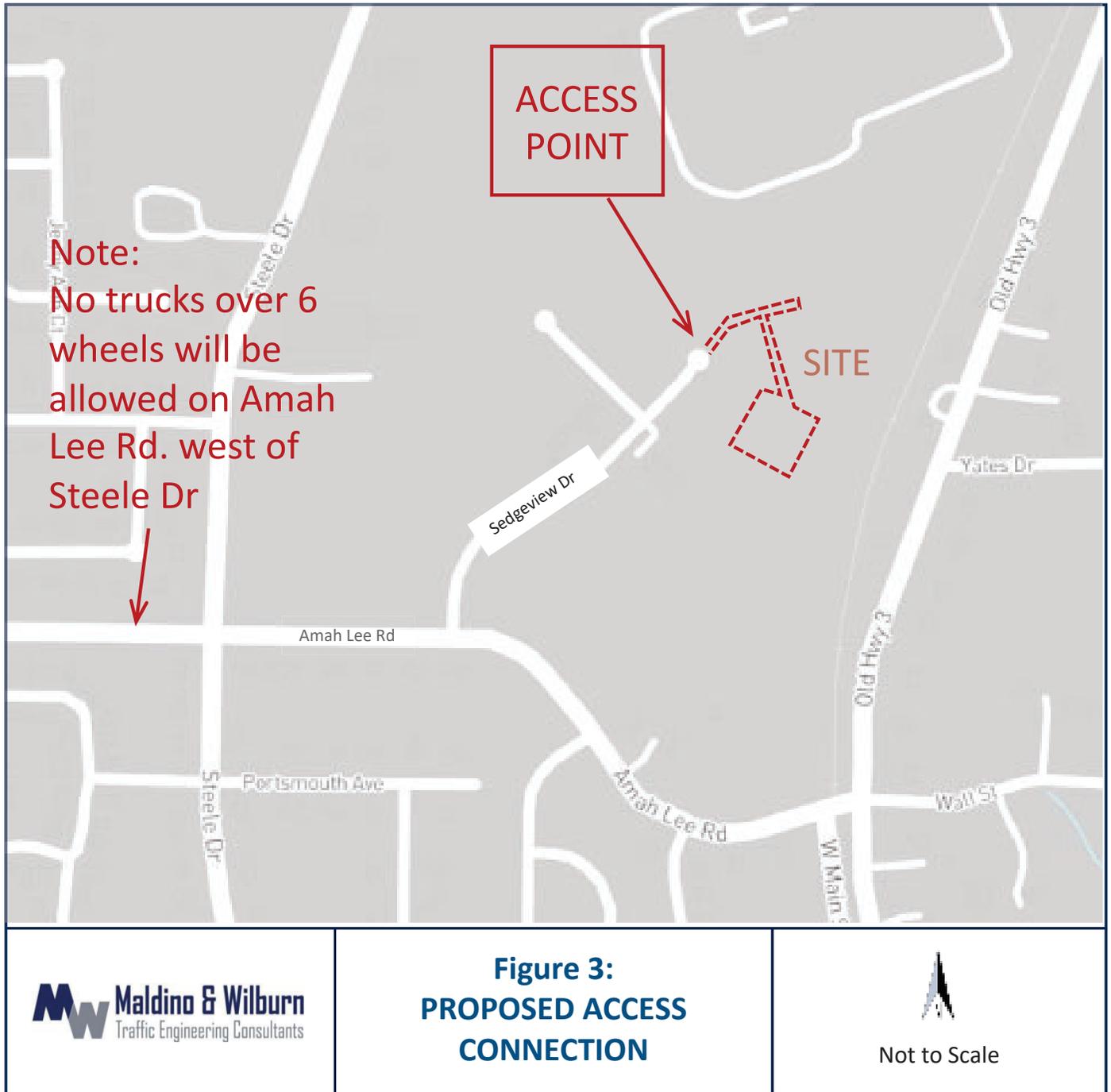
Figure 2:
EXISTING LAND USE



Not to Scale

Project Driveways & Access Points

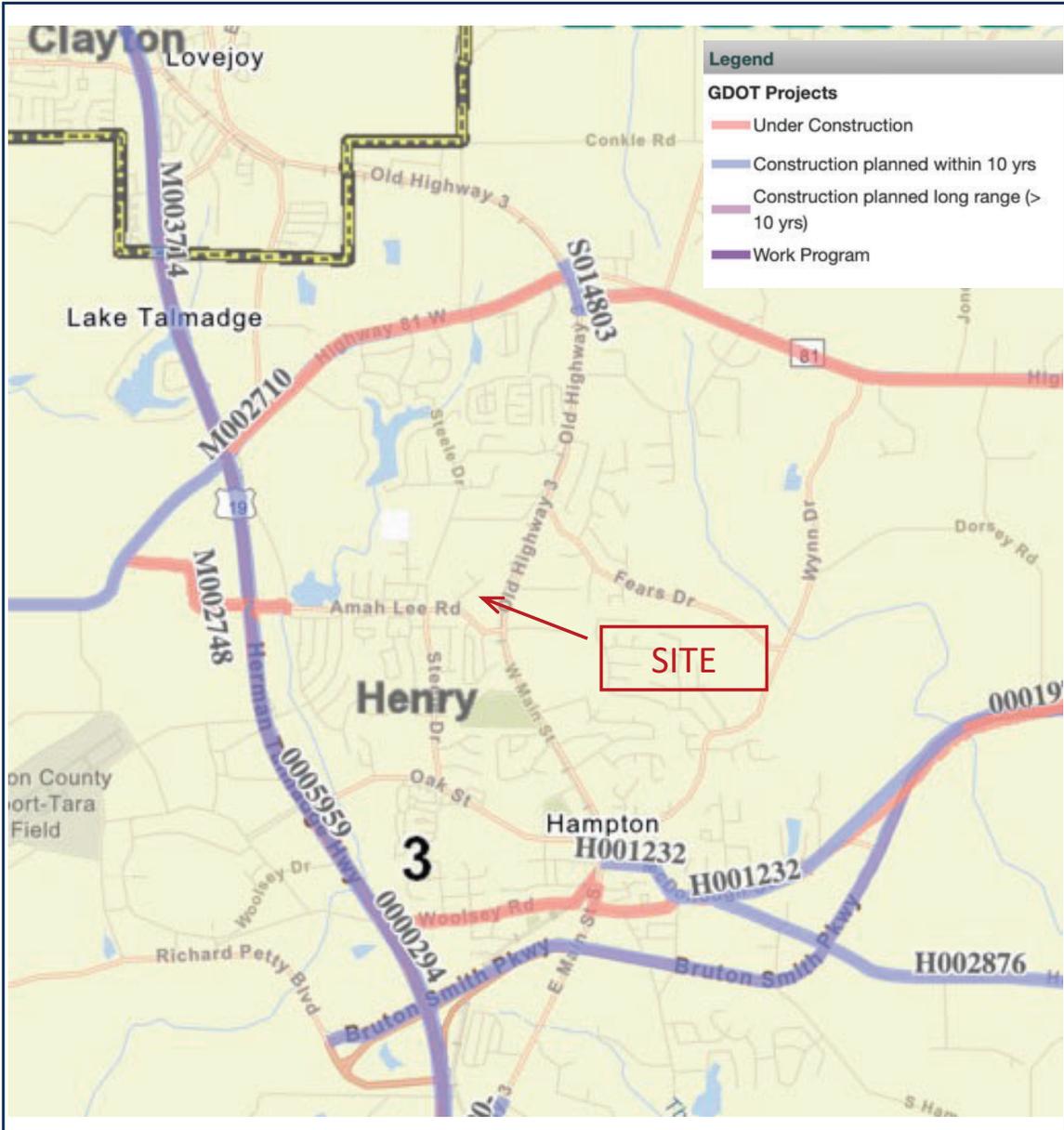
The proposed site plan shows a single access connection to the existing road system. As illustrated in Figure 3, the site will have access to the cul-de-sac at the end of Sedgview Drive.



2. Programmed & Planned Transportation Projects

2.1 Programmed Transportation Projects

Figure 4 contains a screen capture of the GDOT GeoPI webpage showing projects in the area. Most projects shown are resurfacing projects. The only new programmed improvement project near the site is SR 3/US 19/41 from Spalding County to Clayton County. This is a median turn-lane project. There is also a widening project on SR 20 to the south of the site.



	<p>Figure 4: PROJECTS LISTED ON GeoPI WEBSITE</p>	<p>Not to Scale</p>
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2.2 Planned Transportation Projects

Figure 5 on the following page contains screen captures of the recommended road capacity and arterial upgrade projects from the Henry County Comprehensive Transportation Plan (CTP).

The only planned road capacity project near the project site is Hampton Locust Grove Road Widening (CTP-R33) from SR 42 to SR 155. This section is recommended in the CTP for widening from 2 lanes to 4 lanes.

There are three arterial upgrade projects near the site:

- CTP-S02, Old Hwy 3, Fm Old Griffin Rd to SR 20
- CTP-S03, Woolsey Rd, Fm Old Woolsey Dr to SR 3
- CTP-S04, Hampton Locust Grove Rd, Fm McDonough Hampton Rd to SR 20.

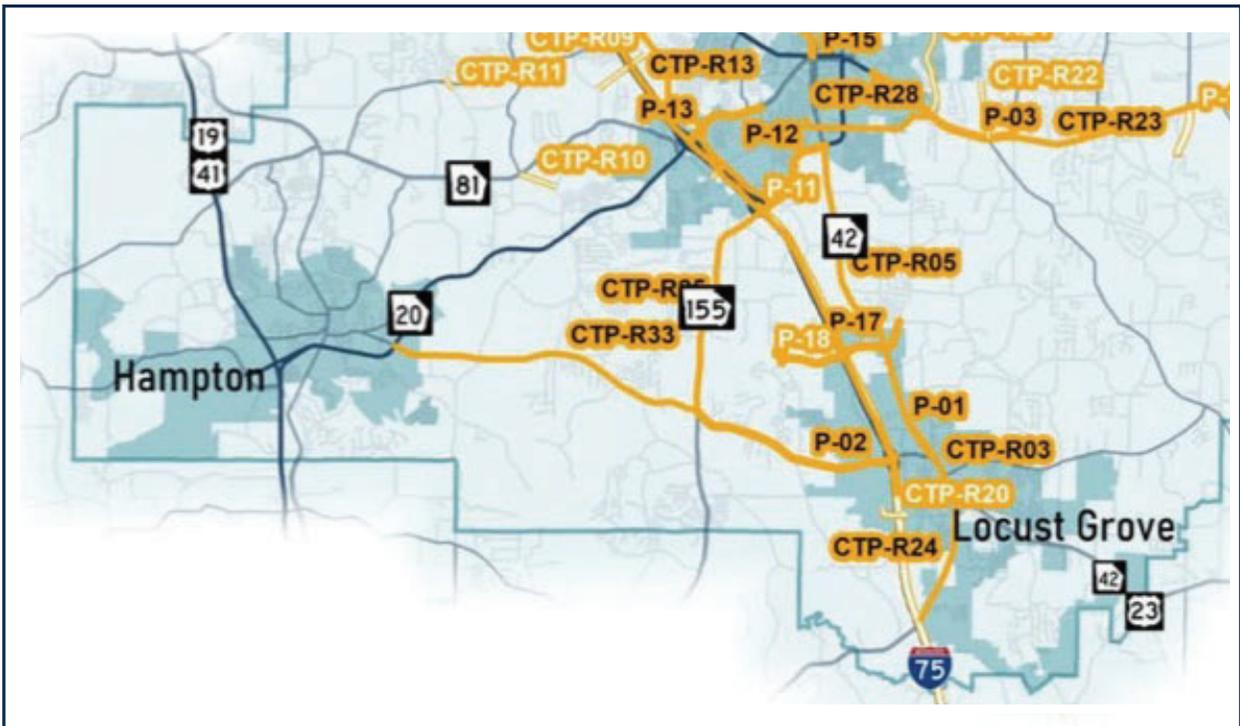


Figure C-5.3. All Road Capacity Recommendations

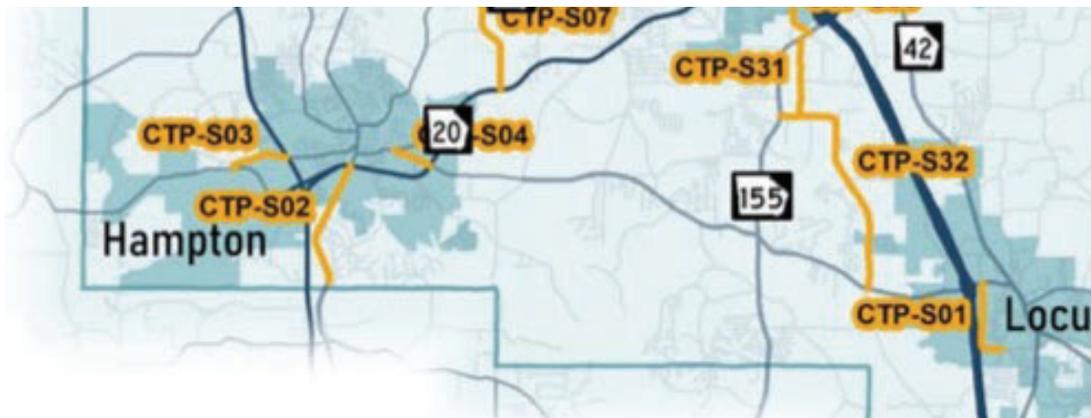


Figure C-5.4. Arterial Upgrade Recommendations

3. Existing Alternative Transportation

3.1 Existing Alternative Transportation Overview

Opportunities for alternative transportation do not exist. However, trip ends at this site will be mostly trucks bringing waste into and out of the site. Alternative modes are irrelevant for this project.

3.2 Pedestrian Distance Calculations

No pedestrian distances are provided since the proposed project is a waste transfer facility with very few employees. Opportunities for employees would be minimal and no transit service is available.

3.3 Bicycle and Pedestrian Facilities

According to the Comprehensive Plan Update, 2023, “Henry County has very few bicycle facilities; those that exist are isolated and do not connect with each other”. There are no bicycle facilities near the site.

There are no existing sidewalks in the vicinity of the site, including Amah Lee Road and Sedgeview Road.

3.4 Existing Transit & Ridership

There is no scheduled public transportation system in Henry County.

Henry County has a Dial-A-Ride service. The service is demand responsive with no fixed routes. Trips to any location within the county can be scheduled by phone for the following day.

4. Trip Generation

4.1 ITE Trip Generation Manual

The Institute of Transportation Engineers (ITE) *Trip Generation Manual, 11th Edition* was checked to determine if relevant land uses are contained in the data. The Manual does not include trip data for any land use that is similar in trip making characteristics as the activity in this project.

Net Average Daily Trips (ADT)

The number of daily trips expected to be generated by the development is 454 (226 in/226 out).

The trips expected to be generated by the proposed facility are based on experience of the operator and their analysis of the demands of the area. It is expected to handle between 400-500 tons of solid waste per day.

The incoming waste will be delivered with 5-ton capacity trucks. Based on experience of the operator, the average load for each trip is around 2.5 tons. Therefore, the incoming trips are estimated to be 150-200 per day.

After the waste is compacted, it will be transferred to 25-ton capacity trucks. The expected number of daily trips for outgoing waste is twenty (20).

The facility is expected to operate between the hours of 6:00 AM and 5:00 PM (Monday-Friday). The expected number of on-site employees ranges from four (4) to six (6).

The expected trips to be generated by the proposed waste transfer facility are summarized in Table 1. The numbers of trips represent the upper limit of the range estimated by the operator.

Table 1 – ESTIMATED TRIP GENERATION, WEEKDAYS

VEHICLE TYPE	DAILY		AM PEAK HOUR			PM PEAK HOUR		
	TOTAL	IN/OUT	TOTAL	IN	OUT	TOTAL	IN	OUT
Auto	12	6	6	6	0	6	0	6
5-Ton Truck	400	200	36	18	18	36	18	18
25-Ton Truck	40	20	4	2	2	4	2	2
Total	452	226	46	26	20	46	20	26

4.2 Alternative Mode Reduction

No alternative modes are available.

4.3 Internal Capture / Mixed-Use Reduction

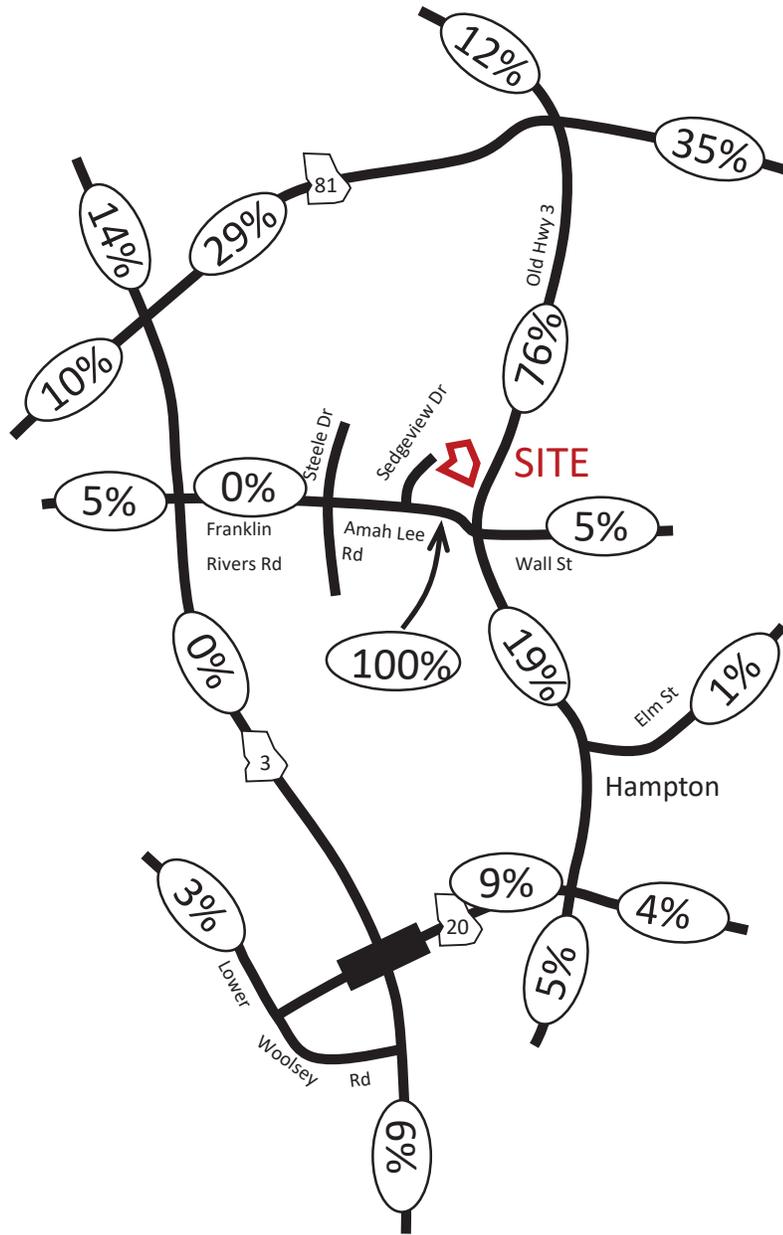
No internal trips are expected since there are no complimentary land uses on the site.

4.4 Pass-By Trip Reduction

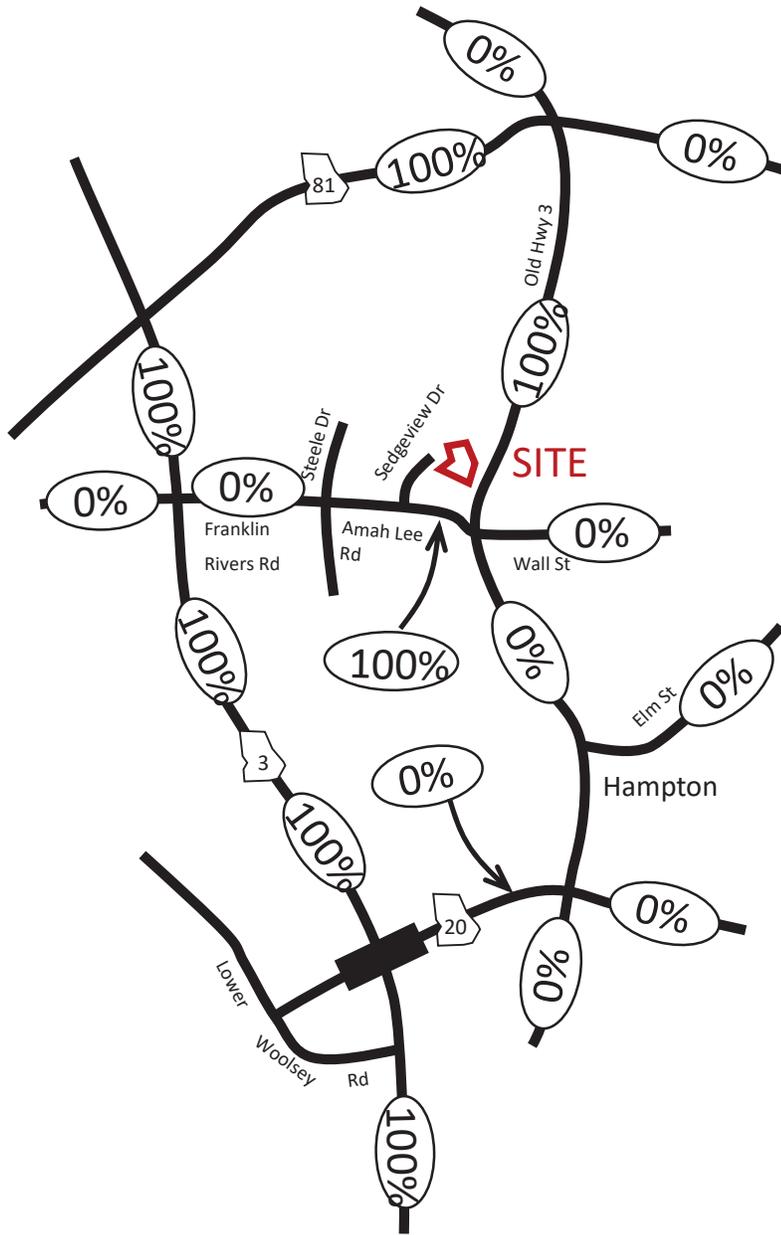
No pass-by trip reduction is expected.

4.5 Heavy Vehicle Routing Plan

Figure 6 (in two parts, one for 5-ton trucks and one for 25-ton trucks) on the following pages shows the percentage of the trucks expected to use the various road segments to go to-and-from the site. No usage is shown for Amah Lee Road/Franklin Rivers Road west of Steele Drive.



**Figure 6A:
HEAVY VEHICLE ROUTING
5-TON TRUCKS**



**Figure 6B:
HEAVY VEHICLE ROUTING
25-TON TRUCKS**

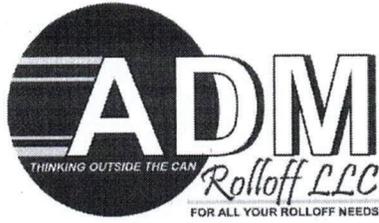


5. Draft Schedule

The Limited Trip Generation Memo can be submitted for review within two weeks after receipt of the comments resulting from the Methodology Meeting.

Attachment C

Letter from Applicant



November 21, 2023

Ms. Brittany Williams
GRTA Transit and Transportation Planner
Submitted via email: bwilliams@srta.ga.gov

Re: Transportation Study
DRI Number: DRI#4075
Methodology Meeting: September 25, 2023
Bartram ADM Properties
160 and 180 Sedgeview Dr
Hampton, GA

Dear Ms. Williams,

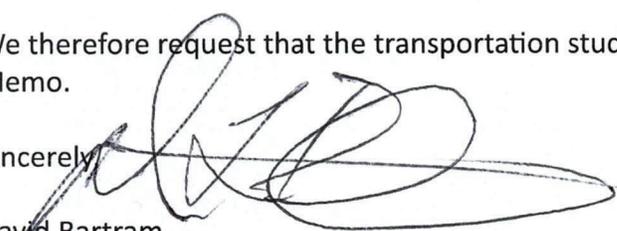
This is the formal request as discussed at the referenced methodology meeting. The expected trips to be generated by the proposed waste transfer facility are summarized in Table 1. The numbers of trips represent the upper limit of the range that we estimate based on our experience with this type of operation and the expected amount of waste to be handled.

Table 1 – ESTIMATED TRIP GENERATION, WEEKDAYS

VEHICLE TYPE	DAILY		AM PEAK HOUR			PM PEAK HOUR		
	TOTAL	IN/OUT	TOTAL	IN	OUT	TOTAL	IN	OUT
Auto	12	6	6	6	0	6	0	6
5-Ton Truck	400	200	36	18	18	36	18	18
25-Ton Truck	40	20	4	2	2	4	2	2
Total	452	226	46	26	20	46	20	26

We therefore request that the transportation study we conducted as a Limited Trip Generation Memo.

Sincerely,


David Bartram
ADM Rolloff LLC

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