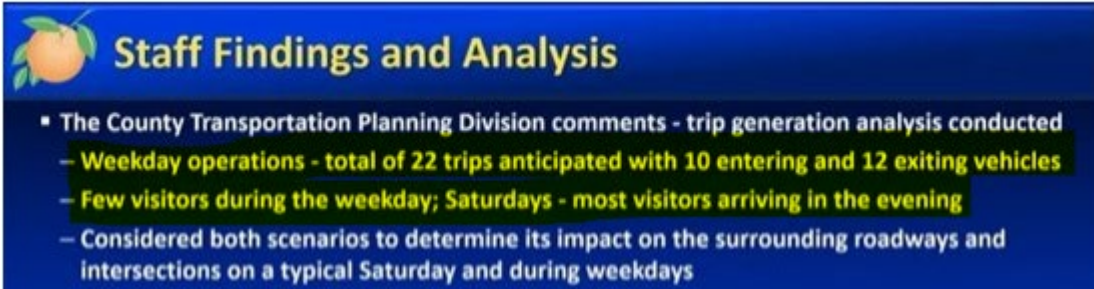


Traffic Study Analysis

Presented



Staff Findings and Analysis

- The County Transportation Planning Division comments - trip generation analysis conducted
 - Weekday operations - total of 22 trips anticipated with 10 entering and 12 exiting vehicles
 - Few visitors during the weekday; Saturdays - most visitors arriving in the evening
 - Considered both scenarios to determine its impact on the surrounding roadways and intersections on a typical Saturday and during weekdays

- Minimal peak hour impact (7pm to 8pm Saturdays)

PM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	PM Peak Hour				
						Total	In ¹	Out ¹		
	Church	560	45	KSF	0.49	22	44%	10	56%	12
	Total Generated Trips					22		10		12

Notes: ¹Vehicle trip rates and directional splits per ITE Trip Generation Manual, 11th Edition

The information on the left was presented to the BZA and processed further to the Board of County Commissioners. The information on the right is directly from the traffic study prepared by Kimley-Horn and Associates. September, most revised edition.

Actual

2.0 TRIP GENERATION

Trip generation for the proposed development was calculated based on rates and equations provided in the *Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition*. The site is planned for a 45,000 square-foot temple. Trips generated from the temple will be determined by using the Land Use Code for a church. Therefore, LUC 560 – Church was used to estimate the trips generated by the proposed development. The trip generation below shows the new external trips expected by project buildout.

As shown in **Table 2**, the proposed temple is projected to generate a total of 342 new Daily trips and 22 new PM peak hour trips (10 inbound and 12 outbound).

Table 2: Trip Generation Summary

Daily	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	Daily				
						Total	In ¹	Out ¹		
	Church	560	45	KSF	7.60	342	50%	171	50%	171
	Total Generated Trips					342		171		171
PM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	PM Peak Hour				
						Total	In ¹	Out ¹		
	Church	560	45	KSF	0.49	22	44%	10	56%	12
	Total Generated Trips					22		10		12

Notes: ¹Vehicle trip rates and directional splits per ITE Trip Generation Manual, 11th Edition

This also includes a 2 failing roadways within the impact area, that they will end up having to do a prop share. They will still need to go through another level with the county to mitigate it. One of these is Gotha Rd to Roberson Rd.

Worship Timeline Conflict

Presented

- The hours of operation - 4 p.m. to 8 p.m. daily for religious worship, as stated in application - no school activities or planned outdoor events.

Nature of Temple Operations

Weekly Service

- Weekly worship services occur between 4:00 PM to 7:00 PM on Saturdays.
- Members arrive starting at approximately 2:00 PM with departure by 8:00 PM.

Please keep in mind, "Peak Hour Traffic" models were used with a representation that the hours between 7pm-8pm being the one-hour period that represents the greatest volume of traffic that uses the road system. The conflict lies at the timelines being used as well as the conflict of the study listing 342 new daily trips.

Actual

Mandir Visiting Timings

	Timings
Sacred Shrines Darshan	Monday-Friday 7:30 am - 12:30 pm 4:00 pm - 8:00 pm
	Saturday-Sunday 7:30 am - 8:00 pm
Arti	7:30 am & 7 pm

Weekly Assemblies:

Assembly	Saturday
Bal Sabha	5:00 pm - 6:30 pm
Balika Sabha	5:00 pm - 6:30 pm
Kishore Sabha	4:30 pm - 6:30 pm
Kishori Sabha	4:00 pm - 5:30 pm
Yuvak Sabha	3:15 pm - 4:15 pm
Yuvati Sabha	4:00 pm - 5:00 pm
Mahila Sabha	3:00 pm - 4:00 pm
Satsang Sabha	5:00 pm - 7:00 pm
Bal Gujarati Classes	2:15 pm - 3:15 pm
Balika Gujarati Classes	3:30 pm - 4:30 pm

Gotha Map versus argued "surrounding area"

Proposed 90 acre area argued as the true surrounding project area.



Actual historic Gotha preservation area of roughly 1300 acres.

