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# Trip Generation Letter

**Christ Community Chapel  
Hudson, Ohio**

## **Client:**

Christ Community Chapel  
750 W Streetsboro Street  
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CHRIST  
COMMUNITY  
CHAPEL

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## **Preparation Date:**

05.13.2025

## 1. Introduction

At the request of the City of Hudson Planning and Engineering Departments, CESO, Inc. was tasked with presenting a Trip Generation Letter for the Christ Community Chapel expansion and renovation improvements to their existing facility. The improvements will be maintained under two separate phases. For the purpose of this letter, only Phase 1 was evaluated. This phase includes upgrading the soccer field to turf, installing a walking path, and building an outdoor restroom facility.

This Trip Generation Letter has been performed according to locally accepted standards and industry practice. Based on these guidelines, its purpose is to forecast the trips generated by the proposed uses and activities.

## 2. Site Description

Christ Community Chapel is located at 750 W Streetsboro Street (SR-303) in the City of Hudson. The site is approximately 0.35 miles east of the OH-8 and SR-303 interchange. The property is currently zoned District 1 – Suburban Residential Neighborhood, and the existing 65,750 S.F. building is classified as a Place of Religious Worship (an Institutional land use category).

### 2.1. Church Operations

Christ Community Chapel currently has worship services at 8:30 AM, 10:00 AM, and 11:30 AM on Sundays and 6:45 PM on Thursdays. The city should note that these times do not coincide with peak traffic flows in the area. In addition to worship services, the church offers the following services and programs:

- Men's/Women's Ministry
- Recreational Programs (volleyball, basketball, and pickleball)
- Fitness Classes
- Youth Programming/Classes
- Marriage/Finance/Grief Counseling
- Art Studio
- Summer Camps

The church has a roster of 2,162 active members from the community. The sanctuary will maintain a maximum seating capacity of 770 seats. In addition, 898 parking spaces are provided on-site. The maximum number of parking spaces filled on the busiest Sunday services is approximately 640 spaces, therefore, a sufficient number of parking spaces remain available.

### 3. Trip Projections

Based on discussions with Christ Community Chapel on the proposed improvements, CESO provides the following justification for the impact on the trip generation to the existing facility.

- Improvement:** A 36,000 S.F. turf soccer field will replace an existing grass field, and other outdoor enhancements, such as a walking path and a park/courtyard space, will also be added.  
**Justification:** The church has mentioned that the field is only sized as a U12 field and is not intended for starting a recreational league. Therefore, the system's use will not change from normal operations and renovations will be completed to lower annual maintenance costs and efforts. **No additional trips to be generated.**
- Improvement:** A 389 S.F. outdoor restroom building.  
**Justification:** This building will provide restrooms for outdoor users. **No additional trips to be generated.**

### 4. Trip Generation

The trip generation for the development was based on information provided by Christ Community Chapel regarding its current operations. Noting that a maximum of 640 parking spaces are typically filled during a Sunday service, CESO doubled this value to estimate the total number of trips. The results are summarized in **Table 1**.

**Table 1**  
**Church Generated Traffic Volumes**

Land Use Description	Size	Unit	Total Generated Trips		
			Sunday, Per Service		
			Trips		
			Total	In	Out
Church	65,750	S.F.	1,300	650	650
Entering (%) / Exiting (%)			100%	50%	50%
TOTAL			1,300	650	650

### 5. Conclusions

Although additional facilities will be added to the existing Christ Community Chapel location, it should be noted that no additional trips will be generated beyond the current levels.





This diagram shows the "worst case scenario" of parking demand that would be caused by the use of the field.

- Assumes two back-to-back soccer games which would include **48** kids per game.

- Assumes 1.5 cars per child. Some parents might drive together, some might drive separately, and some kids will have grandparents attending. With **96** kids between the two games, a total of **144** parking spaces would be required at maximum.

- With the addition of **5** parking spaces for staff and employees, this brings the grand total of required parking spaces to **149**.

- The parking area nearest the field has **154** available spaces, so the parking is easily accommodated by this one section of parking.