



December 18, 2023

Father John Kocolas  
Nativity of Christ Greek Orthodox Church  
1110 Highland Drive  
Novato, CA 94949

## DRAFT Trip Generation Study for the Nativity of Christ Church Expansion

Dear Father John;

As requested, W-Trans has prepared a trip generation study relative to the proposal to expand the narthex of the existing Nativity of Christ Church at 1110 Highland Drive in the City of Novato.

### Project Description

The proposed project includes a 1,600 square foot expansion of the existing church’s narthex for Americans with Disabilities Act (ADA) to include compliant toilets, visitor center, music room, and storage.

### Trip Generation

The anticipated trip generation for the proposed project was estimated using standard rates published by the Institute of Transportation Engineers (ITE) in *Trip Generation Manual*, 11<sup>th</sup> Edition, 2021 for “Church” (ITE LU 560). As shown in Table 1 the minor addition to the church building would be expected to generate an average of 12 trips per day, including one trip during both the a.m. and p.m. peak hours.

Table 1 – Trip Generation Summary											
Land Use	Units	Daily		AM Peak Hour				PM Peak Hour			
		Rate	Trips	Rate	Trips	In	Out	Rate	Trips	In	Out
Church	1.6 ksf	7.60	12	0.32	1	0	1	0.39	1	0	1

Note: ksf = 1,000 square feet

It is noted that while an expansion of the size of the church would indicate additional trips based on standard rates, the operation of the church, including the number of meetings and members attending, would not be affected by the expansion, so in reality the project is not expected to result in any change in the site’s trip generation. Therefore, the trip generation estimate is conservative.

Given the nominal number of additional trips, even based on the theoretical trip generation rates, it is reasonable to conclude that the project will have no discernible effect on traffic operation.

### Conclusions

- The proposed project would be expected to generate an average of 12 trips per day, including one trip each during the a.m. and p.m. peak hours, based on standard trip generation rates.
- The trip generation estimate is likely conservative since, based on the planned use for the proposed expansion, the project is not anticipated to generate any additional trips compared to current operations.
- The project is expected to have an imperceptible effect on traffic operation.

Thank you for giving W-Trans the opportunity to provide these services. Please call if you have any questions.

Sincerely,

Barry Bergman  
Senior Planner

Dalene J. Whitlock, PE (Civil, Traffic) PTOE  
Senior Principal

DJW/bdb/NOV153.L1

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