

Our Lady of Mercy - Parish Hall

Trip Generation

Existing Uses Trip Generation

Description				Independent Variable	Time Period	Fitted Equation	Trip Ends	Distribution		Trips	
								AM	PM	AM	PM
560	Existing Church Uses*	1,000 SF Gross Floor Area (Vehicle Trip Ends)	9.1	ADT	$T = 6.14(X) + 17.09$	72	50%	50%	36	36	
				AM PHT	$T = 0.36(X) - 0.74$	2	60%	40%	1	1	
				PM PHT	$T = 0.37(X) + 3.90$	7	45%	55%	3	4	

* Includes existing church, rectory, library/meeting room buildings per definition of ITE LUC 560

Proposed Uses Trip Generation

Description				Independent Variable	Time Period	Fitted Equation	Trip Ends	Distribution		Trips	
								AM	PM	AM	PM
560	Existing + Proposed Church Uses**	1,000 SF Gross Floor Area (Vehicle Trip Ends)	12.7	ADT	$T = 6.14(X) + 17.09$	95	50%	50%	47.5	47.5	
				AM PHT	$T = 0.36(X) - 0.74$	3	60%	40%	2	1	
				PM PHT	$T = 0.37(X) + 3.90$	8	45%	55%	4	4	

** Includes existing church, rectory, library/meeting room, and proposed parish hall buildings per definition of ITE LUC 560

Project Trip Generation Summary***			
	Existing Uses	Proposed Uses	Change
Total ADT =	72.0	95.0	23.0
Entering =	36.0	47.5	11.5
Exiting =	36.0	47.5	11.5
Total AM PHT =	2.0	3.0	1.0
Entering AM PHT =	1.2	1.8	0.6
Exiting AM PHT =	0.8	1.2	0.4
Total PM PHT =	7.0	8.0	1.0
Entering PM PHT =	3.2	3.6	0.5
Exiting PM PHT =	3.9	4.4	0.6

***Decimals are used to show significant figures for rounding of very small numbers

Information per ITE Trip Generation Manual, 10th Ed

Land Use: 560

Church

Description

A church is a building in which public worship services are held. A church houses an assembly hall or sanctuary; it may also house meeting rooms, classrooms, and, occasionally, dining, catering, or party facilities. Synagogue (Land Use 561) and mosque (Land Use 562) are related uses.

Additional Data

Worship services are typically held on Sundays. Some of the surveyed churches offered day care or extended care programs during the week.

The peak hours for the sites have a direct relation to the schedule for church services. For the sites with time-of-day data, the Sunday peak hours included the 60-minute periods beginning with 8:45 a.m., 9:00 a.m., 10:45 a.m., and 5:00 p.m.

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), California, Colorado, Florida, New Hampshire, New Jersey, New York, Oregon, Pennsylvania, Texas, and Virginia.

Source Numbers

169, 170, 423, 428, 436, 554, 571, 583, 629, 631, 704, 903, 904, 957, 971, 981