

TECHNICAL SUMMARY
Valermo Drive and Delta Street

Roadway Classification

Roadway	Classification	Typical Daily Vehicle Volume
Valermo Drive	Collector	2,500 - 8,000
Delta Street	Local	< 2,500

1.0 Existing Intersection and Roadway Conditions

- 40 km/h speed limit on Valermo Drive.
- 50 km/h unposted speed limit on Delta Street.
- Stop controls on Delta Street at Valermo Drive.
- There is a sidewalk on both sides of Valermo Drive.
- There are sidewalks on both sides of Delta Street.

2.0 All-Way Stop Control - Valermo Drive and Delta Street

The justification for the installation of an all-way stop control is based on a technical warrant adopted by Toronto City Council. The analysis of this warrant is based on data compiled from a four-hour traffic study and a review of the collision history.

Location: Valermo Drive (major road) and Delta Street (minor road with stop control)

Date: Thursday, October 7, 2021

Four-Hour Study Period	Total Approach Vehicle Volume	Vehicle and Pedestrian Volume Crossing Major Road	Unit Volume Split Major/Minor Roads**
7:30 a.m. to 8:30 a.m.	246	66	75/25
8:30 a.m. to 9:30 a.m.	314	110	66/34
3:00 p.m. to 4:00 p.m.	240	95	63/37
4:00 p.m. to 5:00 p.m.	288	150	50/50
Study Period Average	272	105	63/37
Warrant Requirements	≥ 375	≥ 150	≥ 30/70 or ≤ 70/30

* An average of 8 pedestrians per hour crossed the major road (Valermo Drive)
(Pedestrian volume crossing major street has been factored by 2 as per the revised City of Toronto All-Way Stop Warrant approved in Vision Zero 2.0 – Road Safety Plan)

To warrant the installation of an all-way stop control, the traffic volume requirements for the “Study Period Average” must be completely satisfied in either of the following two combinations of the above three categories:

1. **“Total Approach Vehicle Volume” and “Unit Volume Split – Major/Minor Roads”**
or
2. **“Vehicle/Pedestrian Volume Crossing Major Road” and “Unit Volume Split - Major/Minor Roads”**

**Major Road Volume – Vehicles only; Minor Road Volume – Vehicles plus pedestrians crossing (x2) the major road

TECHNICAL SUMMARY
Valermo Drive and Delta Street

3.0 Toronto Police Service Collision Records

Three-year (January 1, 2018 – December 31, 2020) review period for which we have complete data.

Intersection: Valermo Drive and Delta Street

Total Number of Collisions (Susceptible to correction with an all-way stop)			3-Year Average
2018	2019	2020	
0	2	2	1.3

The collision warrant is met if the average number of collisions per year over a three year period, of the type susceptible to correction by the use of an all-way stop control, is greater than or equal to 2.