

Document 4 - Warranted Traffic Signal Locations Status Update

There is currently a total of 36 locations in Ottawa that are warranted for the installation of traffic signals. Warranted locations are listed in Table 1 below **by Ward** and area designations have been identified to help identify those in urban/suburban and rural settings. Once a location meets the minimum warrants for traffic signals, it is added to the New Traffic Control Devices (NTCD) Program list of warranted traffic signals. The list is prioritized based on several factors including level of warrant criteria met, collision rates, Annual Average Daily Traffic (AADT) volumes, roadway speed and environment. The ranking of each warranted location can fluctuate over time as new traffic data is collected and reassessed and as new locations become warranted. The priority list includes all warranted traffic signal locations, whether in urban, suburban, or rural areas.

Staff have estimated that a high-level amount of approximately \$126 million in 2024 dollars is required to implement traffic signals or roundabouts at all warranted locations in Ottawa. The cost estimate breakdown by area designation is:

- \$52.5 million in urban/suburban areas;
- \$73.5 million in rural areas.

Table 1. Warranted Traffic Signal Locations

No	Ward	Area Designation	Location	Traffic Control Type	Status
1	3	Urban	Jockvale Rd at Weybridge Dr N	To be determined	Pending Funding
2	3/4	Urban	Jockvale Rd at Longfields Dr	To be determined	Functional design underway, detailed design in 2025.
3	4	Rural	Carling Ave at 320m E of March Rd	Pedestrian Signal	Pending Funding
4	4	Urban	March Valley Rd at Terry Fox Dr	To be determined	Pending Funding
5	5	Rural	Donald B. Munro Dr / Old Carp Rd at March Rd	To be determined	Functional design underway, detailed design in 2025.
6	6	Urban	Abbott St at Iber Rd	To be determined	Pending Funding
7	6	Urban	Abbott St at Shea Rd	To be determined	Pending Funding
8	8/16	Urban	Clyde Ave at Laperriere Ave	To be determined	Pending Funding
9	9	Urban	Deakin St at MacFarlane Rd	To be determined	Pending Funding
10	10	Urban	Albion Rd at Johnston Rd	To be determined	Pending Funding
11	10	Rural	Conroy Rd N & S at Davidson Rd	To be determined	Functional design study completed. Detailed design study underway. Partial construction funding allocated in NTCD 2022.
12	10	Rural	Conroy Rd at Queensdale Ave	To be determined	Functional design complete.
13	10	Rural	Davidson Rd at Hawthorne Rd	To be determined	Functional design underway, detailed design in 2025.
14	10/20	Rural	Anderson Rd at Leirim Rd	To be determined	Pending Funding
15	10/20	Rural	Leirim Rd S at Ramsayville Rd	To be determined	Pending Funding
16	11	Urban	Blair Rd at Claver St	To be determined	Pending Funding
17	14	Urban	Booth St at Orangeville St	To be determined	Pending Funding
18	14	Urban	Preston St at St. Anthony St	To be determined	Pending Funding
19	14	Urban	Somerset St at Bay St	Traffic Control Signal	Functional/detailed design and construction to be bundled with Bay Street Integrated Renewal Project (2025/2026). Additional construction funding required.
20	15	Urban	Parkdale Ave at Sherwood Dr	Traffic Control Signal	Functional design underway, detailed design in 2025.
21	18	Urban	Bantree St at Old Innes Rd	To be determined	Pending Funding
22	19	Rural	Renaud Rd at Joshua St	To be determined	Pending Funding
23	19	Rural	Mer-Bleue Rd W at Navan Rd	To be determined	Pending Funding
24	19	Rural	Milton Rd at Navan Rd	Roundabout	Detailed design study underway, construction in 2025/2026. Construction funding allocated in draft 2025 NTCD.
25	20	Rural	Apple Orchard Rd/Parkway Rd at Stagecoach Rd	To be determined	Pending Funding
26	20	Rural	Bank St at Dalmeny Rd	To be determined	Pending Funding
27	20	Rural	Boundary Rd at Mitch Owens Rd	To be determined	Transportation Planning is proceeding with functional design study in 2025.
28	20	Rural	Hawthorne Rd at Rideau Rd	To be determined	Pending Funding
29	20	Rural	Snake Island Rd at Stagecoach Rd	To be determined	Pending Funding
30	20	Rural	Roger Stevens Dr /Nixon Dr at River Rd	To be determined	Pending Funding
31	21	Rural	Barnsdale Rd at Rideau Valley Dr	To be determined	Functional design study completed. Detailed design study underway. Partial construction funding allocated in NTCD 2023, 2024.
32	21	Rural	Eagleson Rd at Flewellyn Rd	To be determined	Functional design study to start in 2025.
33	21	Rural	Shea Rd at Flewellyn Rd	To be determined	Transportation Planning is proceeding with functional design study in 2025.
34	23	Rural	Bridgestone Dr at Eagleson Rd	To be determined	Functional design underway. Detailed design planned in 2025. Partial construction funding 2025 NTCD.
35	23	Rural	Maple Grove Rd at Silver Seven Rd	To be determined	Pending Funding
36	23	Urban	Stonehaven Dr at Stonemeadow Dr	To be determined	Pending Funding

Table 2. Warranted Traffic Signal Locations - Fully Funded to Construction

No	Ward	Area Designation	Location	Traffic Control Type	Status
1	8	Urban	Baseline Rd at Rockway Cres	Traffic Control Signal	Functional Design complete, project charter underway for detailed design and construction in 2025/2026. Construction funding allocated in 2024 NTCD.
2	6	Urban	Huntmar Dr at Maple Grove Rd	Traffic Control Signal	Construction to be completed in 2024.
3	14	Urban	Laurier Ave at Percy St	Traffic Control Signal (ped crossing with crossrides for cyclists)	Construction substantial completion by Fall 2024.
4	19	Rural	Frank Kenny Rd at Innes Rd	Roundabout	Construction complete 2024