
The area targeted for this review was the neighbourhoods north and south of Shellard Lane, east of Anderson Road and west of Diana Avenue.

At its meeting held July 26, 2022, City Council approved the following resolution:

McGuinness Drive – Traffic Calming

WHEREAS residents of McGuinness Drive are reporting on-going speeding concerns; and

WHEREAS residents have raised concerns about the safety of pedestrians and the children in the area; and

WHEREAS numerous vehicular accidents and “hit and run” incidents have been reported by residents in this area; and

WHEREAS numerous requests have been received by Ward Councillors to implement traffic calming measures on McGuinness Drive; and

WHEREAS Ward Councillors are working with Traffic Services to develop a Neighbourhood Traffic Management plan that included public engagement.

NOW THEREFORE BE IT RESOLVED:

A. THAT staff BE DIRECTED to construct a raised crosswalk and Pedestrian Crossover on McGuinness Drive at Dowden Ave, to provide a crossing point for the school; and

B. THAT staff BE DIRECTED to construct a raised crosswalk and Pedestrian Crossover on McGuinness Drive at Bradley Lane to connect the trails; and

C. THAT staff BE DIRECTED to construct curb bump-outs at each pedestrian crossing location to narrow the crossing distance, pending investigation of any potential drainage issues; and

D. THAT staff BE DIRECTED to install an All-way stop at the intersection of McGuinness Drive and St Patricks Drive, to provide a traffic control crossing point for pedestrians and connectivity to transit; and

E. THAT funding not to exceed \$30,000 BE PROVIDED from the Council Priorities Reserve (RF0558).

The proposed plan was presented to area residents, inclusive of the approved changes noted in the approved resolution above, at a second PIC on June 28, 2023. A copy of the presentation is attached as Appendix “B” to this report. The proposed changes were generally accepted by residents. Any additional suggestions were reviewed and if possible included in the final plan noted in the Analysis section of this report.

5.0 Analysis

Staff recommend the following strategy to address the concerns of residents as discussed during the PIC’s.

5.1 Blackburn Drive Recommendations

1. Install a raised type ‘D’ pedestrian crossover (PXO) at the intersection of Mavin Street.
2. Install a raised type ‘D’ PXO at the entrance to Hickory Park.
3. Reduce the speed limit in the designated school zone to 30 km/h between Anderson Road and Warner Lane.

5.2 Conklin Road Recommendation

1. Convert existing type ‘C’ PXO at the intersection of Gillespie Drive to a full traffic signal.

5.3 Donegal Drive Recommendations

1. Install a raised type ‘D’ PXO at the intersection of Sudds Lane.
2. Reduce the speed limit between Killarney Street and Maich Crescent to 30 km/h and enhance the existing Playground Area signage.

5.4 Dowden Avenue Recommendations

1. Convert the existing school crossing at the intersection of Bradley Lane to a type ‘D’ PXO.

2. Install speed cushions near Bradley Lane
3. Reduce the speed limit in the designated school zone to 30 km/h between Conklin Road and McGuinness Drive.

5.5 Duncan Avenue Recommendation

1. Install two (2) sets of speed cushions in front of #11 and #46 Duncan Avenue.

5.6 Edith Monture Avenue Recommendations

1. Reduce the speed limit between Flanders Drive and Longboat Run to 30 km/h and enhance the existing Playground Area signage.
2. Install a midblock type 'D' PXO at entrance into park
3. Install speed cushions near entrance into park

5.7 English Lane Recommendation

1. Reduce the speed limit in the designated school zone to 30 km/h between Blackburn Drive and Gillespie Drive.

5.8 Ferrier Lane Recommendation

1. Reduce the speed limit between Blackburn Drive and Gillespie Drive to 30 km/h and enhance the existing Playground Area signage.

5.9 Flanders Drive Recommendations

1. Convert the existing school crossing at the intersection of Richter Street to a raised type 'D' PXO.
2. Reduce the speed limit in the designated school zone to 30 km/h between Shellard Lane and Edith Monture Avenue.

5.10 Gillespie Drive Recommendation

1. Reduce the speed limit in the designated school zone to 30 km/h between Powell Road and Cheevers Road.

5.11 Hollinrake Avenue Recommendation

1. Install two (2) sets of speed cushions in front of #22 and #53 Hollinrake Avenue.

5.12 Hunter Way Recommendations

1. Install a midblock type 'D' PXO at the trail entrance on Hunter Way.
2. Install a type 'D' PXO at the intersection of Duncan Avenue.
3. Install a speed cushion near Duncan Avenue.
4. Remove All-way Stop control at the intersection with Flanders Drive and install a type 'D' PXO.
5. Install speed cushions near Flanders Drive.

5.13 Longboat Run Recommendation

1. Reduce the speed limit in the designated school zone to 30 km/h between Conklin Road and Blackburn Drive.

5.14 McGuinness Drive Recommendations

1. Install a raised type 'D' PXO at the intersection of Fisher Street.
2. Install a raised type 'D' PXO at the intersection of Yarrington Drive.

The following three McGuinness Drive recommendations below were approved by Council at their meeting held on July 26, 2022 and have been installed.

- Raised type 'D' PXO at the intersection of Bradley Lane.
- Raised type 'D' PXO at the intersection of Dowden Avenue.
- All-way Stop at the intersection of St Patrick's Drive

5.15 Merritt Lane Recommendation

1. Reduce the speed limit between Lambert Crescent (north intersection) and Lambert Crescent (south intersection) to 30 km/h and enhance the existing Playground Area signage.

5.16 Shantz Avenue Recommendation

1. Install two (2) sets of speed cushions in front of property #29 and property #49.

5.17 Shellard Lane Recommendations

1. Install a full traffic signal at the intersection of Shellard Lane and Powell Road/ McGuinness Drive.

2. Implement Monday to Friday “No Right Turn on Red” restrictions at the intersections of Shellard Lane/Flanders Drive during the hours of 8:00am-9:00am and 3:00pm-4:00pm and Shellard Lane/Conklin Road during the hours of 8:00am-4:00pm.
3. Reduce the speed limit in the designated school zone to 40 km/h between Conklin Road and Flanders Drive during school hours.
4. Regularly install on a temporary basis the Speed Display Signs in the school zone.
5. Community Safety Zone
6. Future Automated Speed Enforcement

5.18 Neighbourhood Wide Recommendations

1. As per Public Works-017 Guidelines for Establishing Posted Speed Limits policy, it is recommended that all local/minor collector roadways within the Shellard Neighbourhood be reduced to 40 km/h.
2. Enhancing All-way Stop locations throughout the Shellard Neighbourhood with Reflective Accessory Panels (RAP) and Ladder Crosswalks for added safety enhancement.

6.0 Financial Implications

Staff recommend the following works be completed in 2024, pending council review and approval of the 2024 Capital Budget, at an estimated cost of \$544,700.

- \$20,000 Blackburn Drive at Mavin Street raised PXO
- \$20,000 Blackburn Drive at Hickory Park raised PXO
- \$500 Blackburn Drive School Zone speed limit reduction
- \$150,000 Conklin Road at Gillespie Drive full Traffic Signal
- \$20,000 Donegal Drive at Sudds Lane raised PXO
- \$500 Donegal Drive Playground Zone speed limit reduction
- \$5,000 Dowden Avenue convert school crossing to PXO
- \$5,000 Dowden Avenue speed cushion
- \$500 Dowden Avenue School Zone speed limit reduction
- \$10,000 Duncan Avenue speed cushions
- \$500 Edith Monture Avenue School Zone speed limit reduction
- \$5,000 Edith Monture Avenue speed cushion
- \$5,000 Edith Monture Avenue PXO
- \$500 English Lane School Zone speed limit reduction
- \$500 Ferrier Lane School Zone speed limit reduction
- \$500 Flanders Drive School Zone speed limit reduction

-
- \$20,000 Flanders Drive at Richter Street raised PXO
 - \$500 Gillespie Drive School Zone speed limit reduction
 - \$10,000 Hollinrake Avenue speed cushions
 - \$5,000 Hunter Way at trail entrance PXO
 - \$5,000 Hunter Way at Duncan Avenue PXO
 - \$5,000 Hunter Way at Flanders Drive PXO
 - \$10,000 Hunter Way speed cushions
 - \$500 Longboat Run School Zone speed limit reduction
 - \$20,000 McGuinness Drive at Yarrington Drive raised PXO
 - \$20,000 McGuinness Drive at Fisher Street raised PXO
 - \$500 Merritt Lane Playground Zone speed limit reduction
 - \$10,000 Shantz Avenue speed cushions
 - \$500 Shellard Lane School Zone speed limit reduction
 - \$500 Shellard Lane No Right Turn on Red signage
 - \$170,000 Shellard Lane and Powell Road full Traffic Signal
 - \$500 Warner Lane Playground Zone speed limit reduction
 - \$6,000 Neighbourhood Speed Limit signs (20 @ \$300)
 - \$17,200 Enhance existing All-way stops with signage and ladder crosswalks

7.0 Climate and Environmental Implications

The construction activities of traffic control and calming measures will temporarily increase greenhouse gas (GHG) emissions but since the construction variables are unknown at this time, GHG emissions cannot be quantified. However, traffic calming measures will overall reduce vehicle emissions since decreased speed leads to fewer GHG emissions. Additionally, traffic control and calming measures creates a safer environment for walking and cycling which encourages active transportation as well as improves the local air quality.

8.0 Conclusion

The Shellard Neighbourhood traffic safety plan went through a comprehensive review. Residents were given opportunity to identify locations of concern through the PICs. Staff presented the recommended changes at the second PIC, that were widely supported by residents.

The recommended traffic safety measures, address many of the resident concerns, and creates a safer neighbourhood environment, that promotes active and healthy living for all road users.



Mark Jacklyn
Director of Operational Services, Public Works Commission

Prepared By:
Josh van Ravens, Transportation Technologist

Attachments
Appendix "A" - Shellard Neighbourhood By-law amendments
Appendix "B" - Shellard Neighbourhood PIC Presentation

In adopting this report, is a by-law or agreement required? If so, it should be referenced in the recommendation section.

By-law required yes no

Agreement(s) or other documents to be signed by Mayor and/or City Clerk yes no

Is the necessary by-law or agreement being sent concurrently to Council? yes no

Appendix “A”

Blackburn Drive

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE AMENDED to provide the following:

<u>STREET</u>	<u>LOCATION</u>
Blackburn Drive	At the east side of the intersection with Mavin Street
Blackburn Drive	110 metres south of Duncan Avenue

Conklin Road

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE REPEALED as follows:

<u>STREET</u>	<u>LOCATION</u>
Conklin Road By-law 112-2022	At the north side of the intersection with Gillespie Drive

- b) RECOMMEND that Schedule “3” of Traffic By-law 37-83 which pertains to “Traffic Control Signals ” BE AMENDED to providing the following:

<u>INTERSECTION LOCATION</u>
Conklin Road and Gillespie Drive

Donegal Drive

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE AMENDED to provide the following:

<u>STREET</u>	<u>LOCATION</u>
Donegal Drive	At the west side of the intersection with Sudds Lane

Dowden Avenue

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE AMENDED to provide the following:

<u>STREET</u>	<u>LOCATION</u>
Dowden Avenue	At the east side of the intersection with Bradley Lane

Edith Monture Avenue

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE AMENDED to provide the following:

<u>STREET</u>	<u>LOCATION</u>
Edith Monture Avenue	240 metres west of Flanders Drive

Flanders Drive

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE AMENDED to provide the following:

<u>STREET</u>	<u>LOCATION</u>
Flanders Drive	At the south side of the intersection with Richter Street

Hunter Way

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE AMENDED to provide the following:

<u>STREET</u>	<u>LOCATION</u>
Hunter Way	125 metres east of Flanders Drive
Hunter Way	At the west side of the intersection with Flanders Drive
Hunter Way	At the south side of the intersection with Duncan Lane

McGuinness Drive

- a) RECOMMEND that Schedule “16” of Traffic By-law 37-83 which pertains to “Pedestrian Crossovers” BE AMENDED to provide the following:

<u>STREET</u>	<u>LOCATION</u>
McGuinness Drive	At the east side of the intersection with Fisher Street
McGuinness Drive	At the south side of the intersection with Yarrington Drive

Shellard Lane

- a) RECOMMEND that Schedule “3” of Traffic By-law 37-83 which pertains to “Traffic Control Signals ” BE AMENDED to providing the following:

INTERSECTION LOCATION

Shellard Lane and McGuiness Drive/Powell Road

- b) RECOMMEND that Schedule “4” of Traffic By-law 37-83 which pertains to “Turns Prohibited ” BE AMENDED to providing the following:

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
Shellard Lane and Conklin Road	Westbound	Northbound	8:00am-4:00pm, Monday through Friday
Shellard Lane and Conklin Road	Northbound	Eastbound	8:00am-4:00pm, Monday through Friday
Shellard Lane and Flanders Drive	Eastbound	Southbound	8:00am to 9:00am, 3:00pm to 4:00pm, Monday through Friday
Shellard Lane and Flanders Drive	Southbound	Westbound	8:00am to 9:00am, 3:00pm to 4:00pm, Monday through Friday

Shellard Area Speed Limit

- a) RECOMMEND that Schedule “8” of Traffic By-law 37-83 which pertains to “Speed Regulations” BE REPEALED as follows:

<u>COLUMN 1</u>	<u>COLUMN 2</u>	<u>COLUMN 3</u>
Blackburn Drive By-law 144-2011	From Carroll Road to the westerly end of Blackburn Drive	40 km/hour

Dowden Avenue By-law 102-2006	From Conklin Road to McGuinness Drive	40 km/hour
Edith Monture Avenue By-law 136-2011	From Longboat Run to a point 180 metres north of Longboat Run	40 km/hour
Edith Montour Avenue By-law 191-2021	From Longboat Run to a point 230 metres north of Longboat Run	40 km/hour
English Lane By-law 139-2014	From Blackburn Drive to Gillespie Drive	40 km/hour
Flanders Drive By-law 102-2006	From Shellard Lane to Edith Monture Avenue	40 km/hour
Gillespie Drive By-law 139-2014	From Powell Road to Cheevers Road	40 km/hour
Longboat Run By-law 191-2021	From Conklin Road to Blackburn Drive	40 km/hour
McGuinness Drive By-law 96-2015	From Conklin Road to Shellard Lane (east intersection)	40 km/hour
Merrit Lane By-law 139-2014	From Lambert Crescent (north) to Lambert Crescent (south)	40 km/hour
Stowe Terrace By-law 191-2021	From Longboat Run to a point 150 metres south of Longboat Run	40 km/hour
Warner Lane By-law 139-2014	From Lambert Crescent to Blackburn Drive	40 km/hour

- b) RECOMMEND that Schedule “8” of Traffic By-law 37-83 which pertains to “Speed Regulations” BE AMENDED to provide the following:

<u>COLUMN 1</u>	<u>COLUMN 2</u>	<u>COLUMN 3</u>
Avedisian Street	From Blackburn Drive to Hunter Way	40 km/hour
Avey Street	From Kimberly Court to Garner's Lane	40 km/hour
Bisset Avenue	From Powell Road to Blackburn Drive	40 km/hour
Blackburn Drive	From Anderson Road to Warner Lane	30 km/hour
Blackburn Drive	From Warner Lane to Diana Avenue	40 km/hour
Bradley Lane	From McGuinness Drive to Dowden Avenue	40 km/hour
Brewster Way	From Donegal Drive to Sudds Lane	40 km/hour
Bricker Court	From McGuinness Drive to the northerly end of Bricker Court	40 km/hour
Burgess Crescent	From Carroll Lane to Powell Road	40 km/hour
Butcher Crescent	From Longboat Run W to the easterly end of Butcher Crescent	40 km/hour
Carroll Lane	From Blackburn Drive to Burgess Crescent	40 km/hour
Cashel Crescent	From Shannon Street (west intersection) to St Patrick's Drive	40 km/hour
Cheevers Road	From Blackburn Drive to English Lane	40 km/hour
Cole Crescent	From Longboat Run W to the easterly end of Cole Crescent	40 km/hour
Conklin Road	From Shellard Lane to McGuinness Drive	40 km/hour
Diana Avenue	From Shellard Lane to Blackburn Drive	40 km/hour
Donegal Drive	From Maich Crescent to Killarney Street	30 km/hour

Donegal Drive	From Maich Crescent (west intersection) to Maich Crescent (east intersection)	40 km/hour
Donegal Drive	From Killarney Street to St Patrick's Drive	40 km/hour
Dowden Avenue	From Conklin Road to McGuinness Drive	30 km/hour
Draper Street	From Gaydon Way to Osborn Avenue	40 km/hour
Duncan Lane	From Conklin Road to Hunter Way	40 km/hour
Dwyer Court	From Avedisian Street to the westerly end of Dwyer Court	40 km/hour
Edith Monture Avenue	From Flanders Drive to Longboat Run	30 km/hour
Edith Monture Avenue	From Flanders Drive to Mavin Street	40 km/hour
English Lane	From Bisset Avenue to Blackburn Drive	40 km/hour
English Lane	From Blackburn Drive to Gillespie Drive	30 km/hour
English Lane	From Gillespie Drive to Ferrier Lane	40 km/hour
Ferrier Lane	From Blackburn Drive to Gillespie Drive	30 km/hour
Ferrier Lane	From Gillespie Drive to English Lane	40 km/hour
Fisher Street	From Heath Street to Nightingale Drive	40 km/hour
Flanders Drive	From Shellard Lane to Edith Monture Avenue	30 km/hour
Flanders Drive	From Edith Monture Avenue to Hunter Way	40 km/hour
Gaal Court	From Bradley Lane to the easterly end of Gaal Court	40 km/hour

Garner's Lane	From Richter Street to Diana Avenue	40 km/hour
Gaydon Way	From Edith Monture Avenue to Diana Avenue	40 km/hour
Gillespie Drive	From Powell Road to Conklin Road	40 km/hour
Gillespie Drive	From Powell Road to Cheevers Road	30 km/hour
Heath Street	From McGuinness Drive to the northerly end of Health Street	40 km/hour
Hodge Lane	From Shantz Avenue to Hunter Way	40 km/hour
Hollinrake Avenue	From Avedisian Street to Hodge Lane	40 km/hour
Hoodless Court	From Hunter Way to the easterly end of Hoodless Court	40 km/hour
Hunter Way	From Blackburn Drive to Avedisian Street	40 km/hour
Jones Lane	From Shantz Avenue to Hunter Way	40 km/hour
Killarney Street	From Donegal Drive to Shellard Lane	40 km/hour
Kimberley Court	From Avey Street to the easterly end of Kimberley Court	40 km/hour
Lambert Crescent	From Powell Road to Warner Lane	40 km/hour
Limerick Lane	From Killarney Street to Donegal Drive	40 km/hour
Longboat Run	From Conklin Road to Blackburn Drive	30 km/hour
Longboat Run	From Blackburn Drive to Hunter Way	40 km/hour
Longboat Run W	From Anderson Road to Conklin Road	40 km/hour
Lovell Crescent	From Stowe Terrace (north intersection) to Stowe Terrace (south intersection)	40 km/hour

Maich Crescent	From McGuinness Drive to Donegal Drive (east intersection)	40 km/hour
Matthews Court	From Duncan Avenue to the southerly end of Matthews Court	40 km/hour
Mavin Street	From Gaydon Way to Blackburn Drive	40 km/hour
McGuinness Drive	From Shellard Lane (west intersection) to Shellard Lane (east intersection)	40 km/hour
Mercer Avenue	From Bisset Avenue to Warner Lane	40 km/hour
Merritt Lane	From Lambert Crescent (north intersection to south intersection)	30 km/hour
Moffat Court	From Flanders Drive to the westerly end of Moffat Court	40 km/hour
Nightingale Drive	From a point 78 metres north of Fisher Street to a point 68 metres west of Yarrington Drive	40 km/hour
Oliver Court	From Dowden Avenue to the easterly end of Oliver Court	40 km/hour
Osborn Avenue	From Gaydon Way to Duncan Avenue	40 km/hour
Pollard Street	From Ferrier Lane to Gillespie Drive	40 km/hour
Powell Road	From Shellard Lane to the easterly end of Powell Road	40 km/hour
Richter Street	From Flanders Drive to Avey Street	40 km/hour
Schertzberg Lane	From Fisher Street to Conklin Road	40 km/hour
Shannon Street	From Killarney Street to Cashel Crescent	40 km/hour

Shantz Avenue	From Avedisian Street to Hunter Way	40 km/hour
Shellard Lane	From Conklin Road to Flanders Drive	40 km/hour (8:00am to 5:00pm)
Sheppard Street	From Garner's Lane to Osborn Avenue	40 km/hour
Sinden Road	From Longboat Run W (east intersection) to the southerly end of Sinden Road	40 km/hour
St Patrick's Drive	From McGuinness Drive to Shellard Lane	40 km/hour
Stowe Terrace	From Longboat Run to Duncan Lane	40 km/hour
Sudds Lane	From Donegal Drive to McGuinness Drive	40 km/hour
Turnbull Drive	From Cheevers Road to the westerly end of Turnbull Drive	40 km/hour
Waldie Crescent	From Avedisian Street (north intersection) to Avedisian Street (south intersection)	40 km/hour
Warner Lane	From Lambert Crescent (north intersection) to Blackburn Drive	30 km/hour
Warner Lane	From Blackburn Drive to Powell Road	40 km/hour
Webb Avenue	From Hunter Way to Duncan Avenue	40 km/hour
Wilmot Road	From Gillespie Drive to the southerly end of Wilmot Road	40 km/hour
Yarrington Drive	From McGuinness Drive to Nightingale Drive	40 km/hour