



Corporation of the Township of Brock

Staff Report to the Mayor and Members of Council

From: Paul Lagrandeur/Jason Lapp
Position: Director of Public Works and Supervisor of Operations
Title / Subject: Snow Plow Route #5
Date of Report: January 3, 2023
Date of Meeting: January 9, 2023
Report No: 2023-CO-001

1.0 Issue / Origin

To provide Council with a report on the feasibility/possibility of adjusting plow route #5. See below.

TOWNSHIP OF BROCK PUBLIC WORKS DEPARTMENT

BREAKDOWN OF TIME POINT LOCATIONS – ROUTE NO. 5

TIME POINT	Road Section:	From:	To:
E	Brock Road	Con. 9 (B)	Con. 10 (B)
	Con. 10 (B)	Brock Road	Dead end
	Con. 10 (B)	Dead end	Wetheral Sdrd
	Wetheral Sdrd	Con. 10 (B)	Con. 11 (B)
	Wetheral Sdrd	Con. 11 (B)	Con. 10 (B)
	Con. 11 (B)	Wetheral Sdrd	Brock Road
	Brock Road	Con. 10 (B)	Con. 11 (B)
	Con. 11 (B)	Brock Road	Sdrd 17
	Sdrd 17	Con. 11 (B)	Con. 13 (B)

TOWNSHIP OF BROCK PUBLIC WORKS DEPARTMENT

WINTER OPERATIONS RECORD

BREAKDOWN OF TIME POINT LOCATIONS – ROUTE NO. 5

TIME POINT	Road Section:	From:	To:	
A	Sdrd 17	Con. 13 (B)	Con. 11 (B)	
	Con. 11 (B)	Sdrd 17	Hwy 12	
	Con. 11 (B)	Hwy 12	Brock Road	
	Brock Road	Con. 11 (B)	Con. 13 (B)	
	Brock Road	Con. 13 (B)	Con. 10 (B)	
B	Con. 10 (B)	Brock Road	D23	
	Con. 10 (B)	D23	Brock Road	
	Brock Road	Con. 10 (B)	Con. 9 (B)	
	Con. 9 (B)	Brock Road	D23	
	Con. 9 (B)	D23	Brock Road	
	Brock Road	Con. 9 (B)	Con. 8 (B)	
	Con. 8 (B)	Brock Road	D23	
	Con. 8 (B)	D23	Brock Road	
	Brock Road	Con. 8 (B)	Con. 7 (B)	
	Brock Road	Con. 7 (B)	Con. 8 (B)	
C	Con. 8 (B)	Brock Road	Sdrd 17A	
	Sdrd 17A	Con. 8 (B)	Con. 7 (B)	
	Con. 7 (B)	Sdrd 17A	Brock Road	
	Con. 7 (B)	Brock Road	Sdrd 17A	
	Sdrd 17A	Con. 7 (B)	D10	
	Sdrd 17A	D10	Con. 7 (B)	
	Con. 7 (B)	Sdrd 17A	Sdrd 17	
	Sdrd 17	Con. 7 (B)	D10	
	Sdrd 17	D10	Con. 7 (B)	
	Con. 7 (B)	Sdrd 17	Hwy 12	
	Con. 7 (B)	Hwy 12	Sdrd 17	
	D	Sideroad 17	Con. 7 (B)	Con. 8 (B)
		Con. 8 (B)	Sdrd 17	Hwy 12
Con. 8 (B)		Hwy 12	Sdrd 17	
Sdrd 17		Con. 8 (B)	Con. 9 (B)	
Sdrd 17		Con. 9 (B)	King St.	
King St.		Sdrd 17	Queen St.	
Queen St.				
King St.		Queen St.	Brock Road	
King St.		Brock Road	Sdrd 17	
Sdrd 17		King St.	Con. 7 (B)	
Con. 7 (B)		Sdrd 17	Sdrd 17A	
Sdrd 17A		Con. 7 (B)	Con. 8 (B)	
Con. 8 (B)		Sdrd 17A	Brock Road	
Brock Road		Con. 8 (B)	Con. 9 (B)	
Con. 9 (B)		Brock Road	Hwy 12	
Con. 9 (B)	Hwy 12	Brock Road		

2.0 Background

Currently Brock Township is broken down into ten plow routes. Each route has a variety of road classifications 3,4,5 and 6 that are maintained. The average time to complete each route is 5 to 6 hours and is done in the same fashion each time, regardless of the operator completing the route. Routes are reviewed annually by the Public Works Supervisor and staff to ensure optimal service delivery. A full review of route #5 was last done in December of 2021.

When discussions are had in relation to adjusting or modifying a route, there are several considerations to be reviewed. Considerations such as, time to complete, where the operator will get additional sand, safe areas to be able to back up, backtracking on route, traffic volume, and consistency are a few factors. Through courses that staff have attended and recommendations from Ontario Good Road Association and the Durham Region Insurance Pool, the message continues to be, plow the same direction every time and be consistent.

At present, concerns have been raised by two of the 17 homes along Concession 10(B) from Brock Road to Highway 12 regarding the timing of the road being plowed. This section of road is done towards the end of the route as the operator makes their way back up the east side of the route. (please see route map)

3.0 Analysis

This plow route has been carefully thought out and priority given to the “through” roads. Concession 11 (B), Concession 7 (B), and Brock Road are examples of “through roads” that are completed prior to lower volume roads such as Concession 10 (B). This route direction was created to allow the operator to re load with sand at the halfway point to eliminate any down time or cause backtracking. Operator safety is also taken into consideration and the safest locations for backing up turning around have been considered.

In addition, this route area has not experienced any large growth or development which may warrant a route change. Changes on other routes have and do occur, if for safety reasons or to better deliver service. When it comes to snow plowing, the old saying “someone is first and someone is last” speaks volumes. If operations staff prioritize Concession 10 (B), it will simply pass the concerns of timing along to other residents.

4.0 Related Policies / Procedures

N/A

5.0 Financial / Budget Assessment

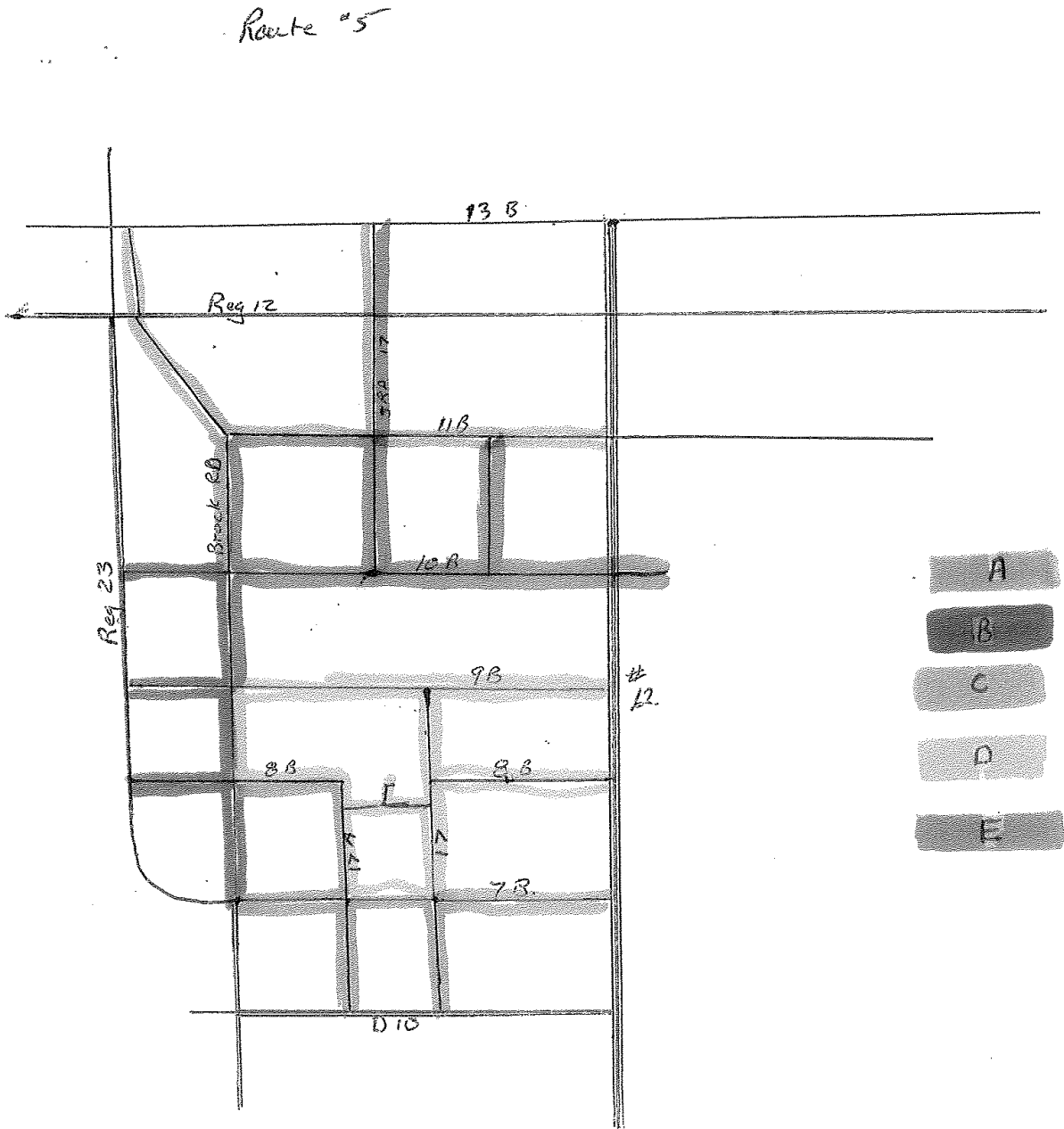
If changes to route #5 are made, then the financial implications will happen. They would be in staff time and fuel costs.

6.0 Climate Change Impacts

Although very minor, if an operator must back track or alter the route and cause extra time out on the route, it would impact fuel consumption and pollution levels.

7.0 Communications

See below for route description and map:



8.0 Conclusion

On the basis of the foregoing review, staff recommend that Council take into consideration all factors outlined.

9.0 Recommendation

BE IT RESOLVED THAT Report 2023-CO-001, Snow Plow Route # 5, be received; and THAT Committee provide staff with direction.