

Report to Council

Date: 6/23/2025
From: Chad Kean, Manager of Public Works
Re: Rural Road Scoring Matrix

RECOMMENDATION

THAT the Council of the Corporation of the Village of Merrickville-Wolford authorizes staff to utilize the presented scoring matrix for calculating a ranking priority of rural roads.

BACKGROUND

During the Committee of the Whole meeting held on June 9, the following Notice of Motion was carried, whereas within the notice of motion, one of the directions to Staff was to develop a scoring matrix for evaluating existing roads within the municipality for future repairs and application of surface treatment.

Re: Notice of Motion – Councillor Ireland – Addressing Rural Road Infrastructure

The Committee of the Whole of the Corporation of the Village of Merrickville-Wolford, at its meeting on June 9th, 2025, passed the following motion regarding the notice of motion brought forward by Councillor Ireland addressing rural road infrastructure:

Moved by: Councillor Ireland

Seconded by: Mayor Cameron

THAT the Committee of the Whole receive for information the motion brought forward by Councillor Ireland regarding rural road infrastructure;

AND THAT Committee direct staff to bring it to the June 23rd Regular Council Meeting for final decision.

Carried.

ANALYSIS

The goal of the scoring matrix is to provide an initial ranking in order to continue discussions for the application of surface treatment and/or the re-application of surface treatment.

The intended road construction projects would be based on criteria identified in the Scoring Matrix provided by Staff in conjunction with the Gravel Road Needs Study and the Asset Management Plan.

Below are the various categories, with a scoring formula based on the data collected, and a weighting of each category. The final ranked score would be the addition of all weighted scores from the categories.

Legend	Data Only
	Calculated Points
	Weighting
	Final RankingScore

Number of Households

Scoring formula; 0 to 3 households (hh) = 1 point (pt)

4 to 5 hh = 2 pts

6 to 10 hh = 3 pts

11 to 15 hh = 4 pts

16+ hh = 5 pts

Category Weighting of 18%

# of Households	Points for Households	Weighting
	0 to 3 = 1, 4 to 5 = 2, 6 to 10 = 3, 11 to 15 = 4, 16+ = 5	18%
Data Count	Calculated Points	Weighted Score

Tax Revenue (assessment applied to applicable tax rate)

Scoring formula; \$1 to \$10,000 (k) = 1 point (pt)

\$10+K to \$20K = 2 pts

\$20+K to \$30K = 3 pts

\$30+K to \$40K = 4 pts

\$40+K = 5 pts

Category Weighting of 16%

Tax Revenue	Points for Tax Revenue	Weighting
	1 to \$10K=1, \$10+K to \$20K=2, \$20+K to \$30K=3, \$30+K to \$40K=4, \$40+=5	16%
\$ -	Calculated Points	Weighted Score

Estimated Traffic Count (Annual Average Daily Traffic; AADT)

Scoring formula; 0 to 49 vehicles a day = 1 point (pt)

50 to 199 = 2 pts

200 to 499 = 3 pts

Category Weighting of 16%

Estimated Traffic Count	Points for Traffic Count	Weighting
	0 to 49=1, 50-199=2, 200-499=3	16%
Data Count	Calculated Points	Weighted Score

Connecting Link to Neighbouring Municipality

Scoring formula; Yes = 3 pts

No = 0 pts

Category Weighting of 10%

Connecting Link to Neighbouring Municipality	Weighting
Yes=3, No=0	10%
Calculated Points	Weighted Score

Growth Potential (Vacant Land for Development)

Scoring formula; Yes = 2 pts

 No = 0 pts

Category Weighting of 9%

Growth Potential (Vacant Land for Development)	Weighting
Yes=2, No=0	9%
Calculated Points	Weighted Score

Traffic Load (Heavy Farm Equipment)

Scoring formula; Yes = -1 pts

 No = 0 pts

Category Weighting of 9%

Traffic Load / Heavy Farm Equipment	Weighting
If Yes=-1, No=0 (based on staff understanding)	9%
Calculated Points	Weighted Score

Feeder Road (Providing Private Road Access)

Scoring formula; Yes = 2 pts

 No = 0 pts

Category Weighting of 9%

Feeder Road (Provides Private Road Access)	Weighting
Yes=2, No=0	9%
Calculated Points	Weighted Score

Growth Restrictions (abutting Farm, Conservation, and/or Environmental Protected Lands)

Scoring formula; Yes = -2 pts

 No = 0 pts

Category Weighting of 7%

Growth Restrictions (Farm and/or Conversation Lands)	Weighting
If Yes=-2, No=0	7%
Calculated Points	Weighted Score

Road Base Condition Rating (Data from Road Needs Study)

Scoring formula; Good = 3 pts

Fair = 2 pts

Poor = 1 pt

Category Weighting of 6%

2023 Condition Rating based on RNS	Points for Base Condition	Weighting
Good, Fair, Poor	Good=3, Fair=2, Poor=1	6%
Data	Calculated Points	Weighted Score

BUDGET/LEGAL IMPLICATIONS

No direct financial implications were a result of the scoring matrix. This will be used to evaluate the existing roads in the Municipality with further scopes of works provided that will have financial impacts.

CONCLUSION

Staff have presented this Draft Scoring Matrix to Council for the use of evaluating and providing an initial ranking of the aforementioned rural roads in Merrickville-Wolford.

Noting that there may be further recommendations from Staff to support various roads receiving surface treatment and various roads receiving a more frequent regime of maintenance gravel and calcium chloride (in lieu of surface treatment).

ATTACHMENTS

Scoring Matrix Factors

Submitted by:

Chad Kean, Manager of Public Works

Approved by:

Darlene Plumley, CAO