

Appendix D Road Network Reclassification

Current Classification:

Based on the current Winter Maintenance Policy, the City of Regina roads including expressways, arterials, collectors, locals, gravel roads etc. are classified into six categories primarily based on the daily traffic volumes.

Category	Length Km	Timeline- Hour	Snowfall trigger- cm
Category1: Freeways/ Expressways including ramps and loops, major arterials, and any road on a designated hospital route	157	24	5
Category2: Minor arterial roads, major collector roads with traffic volumes greater than 5,000 vehicles per day (VPD) and all roads in the area referred to as Regina downtown	114	36	5
Category3: Major collector roads with traffic volumes less than 5,000 VPD, industrial/ commercial roads, and any minor collector or major residential local roads on a designated transit or truck route	178	48	10
Category4: Minor collector roads and major residential roads which lead into school bus unloading zones	59	60	10
Category5: Residential local roads	541	No	25
Category6: Gravel roads	47	60	10
Total	1096 Km		

Concern: Based on survey feedback, major roads like transit routes, high traffic residential roads, gravel roads getting lower level of service. In addition the road classification needed to be simplified.

Recommended Classification: Roads classified into 5 categories only

Category	Length Km	Expected Timeline- Hour	Snowfall trigger- cm
Category 1: Freeways/ Expressways, major arterials, roads on a designated hospital route	157	24	5
Category 2: Minor arterial roads, major collector roads with traffic volumes greater than 5,000 vehicles per day (VPD), transit routes, all roads in the area referred to as Regina downtown, and all bike lanes	204	36	5
Category 3: Major collector roads with traffic volumes less than 5,000 VPD, minor collector roads, industrial / commercial roads. Residential / local with traffic volume greater than 1500 VPD and roads which lead into school bus unloading zones.	156	48	5
Category 4: All gravel roads	47	60	5
Category 5: All local/ residential with traffic volume less than 1500 VPD	532	No	15
Total	1096 Km		

CATEGORY 1:

No changes in the road categorization for Category 1 roads. Levels of service remain the same as in the existing Policy.

CATEGORY 2:

Significant change in this category as all transit routes and bike lanes are added to this category. This would ensure enhanced level of service for transit routes and bike lanes in comparison with the existing policy.

CATEGORY 3:

Reclassification of the roads would allow all roads currently classified under existing policy as category 3 and 4 to be classified as category 3 roads. All residential / local roads with traffic volume greater than 1500 VPD would also be escalated to category 3, receiving an increased level of service. The Category 3 road network would include remaining collectors, roads in industrial and commercial zoning areas, roads leading to school bus unloading zones as well as all residential / local roads with traffic volume greater than 1500 VPD.

CATEGORY 4:

Gravel roads within City limits.

CATEGORY 5:

All residential roads with traffic volume less than 1500 VPD to be classified as category 5 roads.

Cost of Enhancement: As specified in Appendices E to M

Advantages:

- plowing all arterial and collector roads after a 5-centimetre event
- plowing residential roads after a 15-centimetre event
- transit routes and bike lanes upgraded to Category 2 roads or higher
- school unloading zones upgraded to a Category 3 road or higher
- residential roads with traffic volumes greater than 1500 VPD upgraded to a Category 3 road
- snow removal would take place on arterial and collector roads when lane widths and/or sightlines negatively impacted due to repeated plowing operations
- simpler classification

Disadvantages:

- None