

Town of Nanton

2025 Road Assessment

Z0027712



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Executive Summary

Existing Roads Assessment

The existing roads in Nanton were assessed through a review of photos taken along all roadways. They were rated in terms of asphalt condition, age, and structural integrity.

The majority of the roads are experiencing a moderate to high level of deterioration, however this is largely through age of the asphalt, as age hardening and raveling was the most prevalent deficiency. There was some presence of structural failure, in which case a replacement to the road base was recommended. The road structure will be the local road spec shown in Nanton Town Standards. In other scenarios where it was just surface deterioration, such as age hardening, milling and 50mm of asphalt repaving was recommended.

In total, there were three road sections that were classified as severely deteriorated, one road section classified as moderately deteriorated with structural failure, and thirty two road sections classified as moderately deteriorated with surface deterioration.

Severely Deteriorated

- 18th Street (26th Avenue to 23rd Avenue) (Project R1)
- 18th Street (23rd Avenue to 22nd Avenue) (Project R2)
- 18th Street (22nd Avenue to Highway 2 -Southbound Lane) (Project R3)

Moderately Deteriorated (Structural Failure)

- 17th Street (16th Avenue to 23rd Avenue) (Project R4)

Moderately Deteriorated (Surface Deterioration)

- 15th Street (22nd Avenue to 16th Street) (Project R5)
- 16th Street (26th Avenue to 22nd Avenue) (Project R6)
- 18th Street (Highway 2 -Southbound Lane to Northbound Lane) (Project R7)
- 19th Street (26th Avenue to 24th Avenue) (Project R8)
- 19th Street (22nd Avenue to Highway 2 -Southbound Lane) (Project R9)
- 20th Street (Highway 2 - Southbound Lane to Highway 2 – Northbound Lane) (project R10)
- 21st Street (26th Avenue to 24th Avenue) (Project R11)
- 23rd Street (23rd Avenue to 22nd Avenue) (Project R12)
- 23rd Street (22nd Avenue to HWY 2 – Southbound Lane) (Project R13)
- 23rd Street (HWY 2 – Southbound Lane to HWY 2 – Northbound Lane) (Project R14)
- 25th Street (24th Avenue to 23rd Avenue) (Project R15)
- 25th Street (23rd Avenue to 22nd Avenue) (Project R16)
- 26th Street (24th Street to 25th Avenue) (Project R17)

- 26th Street (25th Avenue to 24A Avenue) (Project R18)
- 26th Street (24A Avenue to 24th Avenue) (Project R19)

Moderately Deteriorated (Surface Deterioration)

- 26th Street (24th Avenue to 23A Avenue) (Project R20)
- 26th Street (23A Avenue to 23rd Avenue) (Project R21)
- 26th Street (23rd Avenue to 22A Avenue) (Project R22)
- 26th Street (22A Avenue to 22nd Avenue) (Project R23)
- 27th Street (23A Avenue to 22A Avenue) (Project R24)
- 27th Street (22A Avenue to 22nd Avenue) (Project R25)
- 22A Avenue (26th Street to 27th Street) (Project R26)
- 22A Avenue (27th Street to 22A Avenue Close) (Project R27)
- 22nd Avenue (15th Street to 16th Street) (Project R28)
- 22nd Avenue (16th Street to 18th Street) (Project R29)
- 22nd Avenue (18th Street to 19th Street) (Project R30)
- 22nd Avenue (19th Street to 20th Street) (Project R31)
- 22nd Avenue (20th Street to 21st Street) (Project R32)
- 22nd Avenue (21st Street to 22nd Street) (Project R33)
- 22nd Avenue (22nd Street to 23rd Street) (Project R34)
- 22nd Avenue (23rd Street to 24th Street) (Project R35)
- 23rd Avenue (25th Street to 26th Street) (Project R36)

Roads System Projects Summary

Costs shown is based on 2025 pricing.

Number	Project Name	Project Cost
Severely Deteriorated Roads		
R1	18 th Street (26 th Avenue to 23 rd Avenue) (2400m2)	\$211,000.00
R2	18 th Street (23 rd Avenue to 22 nd Avenue) (1900m2)	\$179,000.00
R3	18 th Street (22 nd Avenue to Highway 2 – Southbound Lane) (2600m2)	\$412,000.00
Moderately Deteriorated Roads (Structural Failure)		
R4	17 th Street (16 th Avenue to 23 rd Avenue) (1800m2)	\$265,000.00
Moderately Deteriorated Roads (Surface Deterioration)		
R5	15 th Street (22 nd Avenue to 16 th Street) (2300m2)	\$204,000.00
R6	16 th Street (26 th Avenue to 22 nd Avenue) (3000m2)	\$249,000.00
R7	18 th Street (Highway 2 – Southbound Lane to Northbound Lane) (2200m2)	\$198,000.00
R8	19 th Street (26 th Avenue to 24 th Avenue) (1500m2)	\$154,000.00
R9	19 th Street (22 nd Avenue to Highway 2 – Southbound Lane) (2100m2)	\$192,000.00
R10	20 th Street (Highway 2 – Southbound Lane to Highway 2 – Northbound Lane) (2400m2)	\$211,000.00
R11	21 st Street (26 th Avenue to 24 th Avenue) (2800m2)	\$236,000.00
R12	23 rd Street (23 rd Avenue to 22 nd Avenue) (1700m2)	\$165,000.00
R13	23 rd Street (22 nd Avenue to Highway 2 – Southbound Lane) (1800m2)	\$175,000.00
R14	(Highway 2 – Southbound Lane to Highway 2 – Northbound Lane) (2400m2)	\$211,000.00
R15	25 th Street (24 th Avenue to 23 rd Avenue) (1800m2)	\$175,000.00
R16	25 th Street (23 rd Avenue to 22 nd Avenue) (1800m2)	\$175,000.00
R17	26 th Street (24 th Street to 25 th Avenue) (2000m2)	\$185,000.00
R18	26 th Street (25 th Avenue to 24A Avenue) (1400m2)	\$147,000.00
R19	26 th Street (24A Avenue to 24 th Avenue) (1000m2)	\$122,000.00
R20	26 th Street (24 th Avenue to 23A Avenue) (1100m2)	\$129,000.00
R21	26 th Street (23A Avenue to 23 rd Avenue) (1100m2)	\$129,000.00
R22	26 th Street (23 rd Avenue to 22A Avenue) (1100m2)	\$129,000.00
R23	26 th Street (22A Avenue to 22 nd Avenue) (1100m2)	\$129,000.00
R24	27 th Street (23A Avenue to 22A Avenue) (1800m2)	\$175,000.00
R25	27 th Street (22A Avenue to 22 nd Avenue) (1000m2)	\$122,000.00
R26	22A Avenue (26 th Street to 27 th Street) (1200m2)	\$135,000.00
R27	22A Avenue (27 th Street to 22A Avenue Close) (1200m2)	\$135,000.00
R28	22 nd Avenue (15 th Street to 16 th Street) (1200m2)	\$135,000.00

Number	Project Name	Project Cost
Moderately Deteriorated Roads (Surface Deterioration)		
R29	22 nd Avenue (16 th Street to 18 th Street) (2200m ²)	\$198,000.00
R30	22 nd Avenue (18 th Street to 19 th Street) (1200m ²)	\$135,000.00
R31	22 nd Avenue (19 th Street to 20 th Street) (1200m ²)	\$135,000.00
R32	22 nd Avenue (20 th Street to 21 st Street) (1200m ²)	\$135,000.00
R33	22 nd Avenue (21 st Street to 22 nd Street) (1200m ²)	\$135,000.00
R34	22 nd Avenue (22 nd Street to 23 rd Street) (1200m ²)	\$135,000.00
R35	22 nd Avenue (23 rd Street to 24 th Street) (1200m ²)	\$135,000.00
R36	23 rd Avenue (25 th Street to 26 th Street) (1100m ²)	\$129,000.00

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1 Roads

1.1 Roads Assessment

A visual inspection of the existing pavement was completed to determine if there is evidence of surface or base failures. The following was used for the visual inspection criteria:

- The nature and extent of surface cracking (i.e: Alligator, longitudinal, transverse);
- The presence of rutting;
- The presence and extent of pot holes;
- Age hardening;
- Surface raveling; and
- The extent of surface patching.

The presence of alligator cracking and/or rutting is generally associated with a failure of the road base and subgrade.

Longitudinal and transverse cracking is indicative of crack propagation from thermal cracking and/or age hardening and shrinkage.

Pot holes are indicative of either frost heave or base failure. Pot holes may also be a result of surface breakup due to severe cracking.

Age hardening which is evidenced by a light grey appearance of the asphalt and surface raveling (a break-up of the pavement surface) is a result of oxidation and exposure to freeze / thaw cycles over an extended period. Surface raveling can also result where drainage is poor resulting in ponding of water.

The presence of surface patching may be a result of a road repair following excavation to work on underground utilities or it may be indicative of aging and/or isolated base failure.

After the visual inspection was concluded the roads were put into one of four categories. The categories are as follows:

- **Red** - Severely Deteriorated: These roads have a large amount of alligator cracking and pot holes, indicating failure of the road base and subgrade. They may also have significant amounts of longitudinal patching
- **Orange** - Moderately Deteriorated: These roads have longitudinal and transverse cracking and/or age hardening, indicating older pavement. They may also have moderate amounts of longitudinal patching
- **Yellow** – Slightly Deteriorated: These roads may have some minor longitudinal and transverse cracking
- **Green** - Good Condition: These roads are generally newer, and the asphalt and base has very little deterioration.

Table 1-1 shows the road assessment key. Table 1-2 shows the road assessments for Streets. Table 1-3 show the road assessments for Avenues and Slade Drive.

(Appendix A – Roads Figures) shows a plan with the results of the roads inspection.

Table 1-1 Road Assessment Key

Road Assessment Key	
Acronyms & Legend	
L = Longitudinal Cracking T = Transverse Cracking L&T = Longitudinal and Transverse Cracking (alligator cracking) AH = Age Hardening SR = Surface Raveling	
Good - Road is either newly paved or in good existing condition.	
Minor - Road is displaying some signs of deterioration. Will require maintenance in the coming years.	
Moderate - Road is displaying obvious signs of deterioration. Immediate maintenance will provide for an extension of service life. (Significant = verging on severe)	
Severe - Road deterioration is an immediate cause of concern. Requires repairs ASAP.	

Table 1-2 Streets

Streets					
Road	From	To	Deficiencies	Remediation	Rating
15 th Street	22 nd Avenue	16 th Street	Minor L and Minor T cracking, minor potholes, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
16 th Street	26 th Avenue	22 nd Avenue	Minor L cracking, minor T cracking, minor L&T, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
17 th Street	16 th Street	23 rd Avenue	Minor L cracking, minor T cracking, moderate L&T cracking at 16 th Street intersection, existing patch areas, moderate AH and SR	Surface damage - patch cracking Intersection likely structural failure, full road structure replacement near intersection. Mill and pave remaining road section	
17 th Street	23 rd Avenue	26 th Avenue	Minor L cracking, minor T cracking, minor L&T cracking at 26 th Ave intersection, existing patch areas, minor SR	Surface damage Patch cracking	
17 th Street (BETWEEN HWYS)	26 th Avenue	HWY 2 – Northbound Lane (20 th Ave.)	Minor L and Minor T cracking, minor potholes, existing patch areas, Minor AH and SR	Surface damage Patch cracking	

18 th Street	26 th Avenue	23 rd Avenue	Moderate L cracking, Moderate T cracking, moderate L&T cracking, existing patch areas, sever AH and SR	Surface damage - mill and pave	
Streets					
Road	From	To	Deficiencies	Remediation	Rating
18 th Street	23 rd Avenue	22 nd Avenue	Moderate L cracking, Moderate T cracking, moderate L&T cracking, existing patch areas, minor potholes, sever AH and SR	Surface damage - mill and pave	
18 th Street	22 nd Avenue	HWY 2 – south bound Lane (21 st Ave.)	Moderate L cracking, moderate T cracking, sever L&T cracking, existing patch areas, sever AH and SR	Surface damage - likely structural failure, full road structure replacement	
18 th Street	HWY 2 – southbound Lane	HWY 2 – north bound Lane (20 th Ave.)	Minor L cracking, minor T cracking, Moderate L&T cracking, at intersection of Hwy 2 north and south bound lanes, sever SR	Surface damage - mill and pave	
19 th Street	26 th Avenue	24 th Avenue	Moderate L cracking, Moderate T cracking, Minor L&T cracking at intersection 26 th Ave, existing patch areas, Moderate AH and SR	Surface damage - mill and pave	
19 th Street	24 th Avenue	23 rd Avenue	Minor L cracking, Minor T cracking, minor L&T cracking at intersection 23rd Ave, existing patch areas, Moderate SR	Surface damage Patch cracking	
19 th Street	23 rd Avenue	22 nd Avenue	Moderate L cracking, Moderate T cracking, minor L&T cracking at intersection 22nd Ave, existing patch areas, Moderate SR	Surface damage Patch cracking	
19 th Street	22 nd Avenue	HWY 2 – south bound Lane (21 st Ave.)	Moderate L cracking, Moderate T cracking, Minor L&T cracking at intersection 21 st Ave, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
19 th Street	HWY 2 – south bound Lane	HWY 2 – north bound Lane (20 th Ave.)	Minor L cracking, Minor T cracking, existing patch areas, sever SR	Surface damage Patch cracking	
20 th Street	26 th Avenue	24 th Avenue	Minor L cracking, moderate T cracking, existing patch areas, minor AH	Surface damage Patch cracking	

20 th Street	24 th Avenue	23 rd Avenue	Minor L cracking, moderate T cracking, existing patch areas, minor AH	Surface damage Patch cracking	
20 th Street	23 rd Avenue	22 nd Avenue	Minor L cracking, moderate T cracking, minor potholes, existing patch areas, minor AH	Surface damage Patch cracking	
Streets					
Road	From	To	Deficiencies	Remediation	Rating
20 th Street	22 nd Avenue	HWY 2 – Southbound Lane (21 st Ave.)	Minor L cracking, minor T cracking, existing patch area, minor AH and SR	Surface damage Patch cracking	
20 th Street	HWY 2 – Southbound Lane	HWY 2 – Northbound Lane (20 th Ave.)	moderate L cracking, moderate T cracking, minor L&T cracking, existing patch area, moderate AH and SR	Surface damage - mill and pave	
21 st Street	26 th Avenue	24 th Avenue	Minor L cracking, Minor T cracking, minor L&T cracking at intersection 26 th Ave, existing patch areas, sever SR	Surface damage - mill and pave	
21 st Street	24 th Avenue	23 rd Avenue	Minor L cracking, Minor T cracking, moderate L&T cracking, existing patch areas, sever SR	Surface damage Patch cracking	
21 st Street	23 rd Avenue	22 nd Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage Patch cracking	
21 st Street	22 nd Avenue	HWY 2 – Southbound Lane (21 st Ave.)	Minor L cracking, Minor T cracking, existing patch area, minor potholes, minor SR	Surface damage Patch cracking	
21 st Street	HWY 2 – Southbound Lane	HWY 2 – Northbound Lane (20 th Ave.)	Minor L cracking, Minor T cracking, existing patch area, minor potholes, minor SR	Surface damage Patch cracking	
22 nd Street	26 th Avenue	24 th Avenue	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch areas, minor to moderate SR	Surface damage Patch cracking	
22 nd Street	24 th Avenue	23 rd Avenue	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch areas, moderate SR	Surface damage Patch cracking	
22 nd Street	23 rd Avenue	22 nd Avenue	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch areas, minor potholes, moderate SR	Surface damage Patch cracking	

22 nd Street	22 nd Avenue	HWY 2 – Southbound Lane (21 st Ave.)	Minor L cracking, Minor T cracking, existing patch area, minor potholes, moderate SR	Surface damage Patch cracking	
Streets					
Road	From	To	Deficiencies	Remediation	Rating
22 nd Street	HWY 2 – Southbound Lane	HWY 2 – Northbound Lane (20 th Ave.)	Minor L cracking, Minor T cracking, existing patch area, minor SR	Surface damage Patch cracking	
23 rd Street	23 rd Avenue	22 nd Avenue	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch area, moderate SR	Surface damage - mill and pave	
23 rd Street	22 nd Avenue	HWY 2 – Southbound Lane (21 st Ave.)	Minor L cracking, Minor T cracking, existing patch area, moderate SR	Surface damage - mill and pave	
23 rd Street	HWY 2 – Southbound Lane	HWY 2 – Northbound Lane (20 th Ave.)	Minor L cracking, Minor T cracking, existing patch areas, moderate SR	Surface damage - mill and pave	
24 th Street	26 th Avenue	Slade Drive	Minor L cracking, Minor T cracking, moderate L&T cracking near Slade Drive, existing patch areas, moderate SR	Surface damage Patch cracking	
24 th Street	Slade Drive	26 th Street	Minor L cracking, Minor T cracking, existing patch areas, moderate SR	Surface damage Patch cracking	
24 th Street	24 th Avenue	23 rd Avenue	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch areas, moderate AH and SR	Surface damage Patch cracking	
24 th Street	23 rd Avenue	22 nd Avenue	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch areas, moderate AH and SR	Surface damage Patch cracking	
24 th Street	22 nd Avenue	HWY 2 – Southbound Lane (21 st Ave.)	Minor L cracking, Minor T cracking existing patch areas, minor AH and SR	Surface damage Patch cracking	
24 th Street	HWY 2 – Southbound Lane (21 st Ave.)	HWY 2 – Northbound Lane (20 th Ave.)	Minor L cracking, Minor T cracking, existing patch areas, minor SR	Surface damage Patch cracking	

Streets					
Road	From	To	Deficiencies	Remediation	Rating
25 th Street	24 th Avenue	23 rd Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
25 th Street	23 rd Avenue	22 nd Avenue	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch areas, moderate SR	Surface damage - mill and pave	
25 th Street	HWY 2 – Southbound Lane (21 st Ave.)	HWY 2 – Northbound Lane (20 th Ave.)	Minor potholes	Surface damage Repair potholes	
26 th Street	24 th Street	25 th Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate SR	Surface damage - mill and pave	
26 th Street	25 th Avenue	24A Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate SR	Surface damage - mill and pave	
26 th Street	24A Avenue	24 th Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate SR	Surface damage - mill and pave	
26 th Street	24 th Avenue	23A Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate SR	Surface damage - mill and pave	
26 th Street	23A Avenue	23 rd Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
26 th Street	23 rd Avenue	22A Avenue	Minor L cracking, Minor T cracking, minor LT cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
26 th Street	22A Avenue	22 nd Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
26 th Street (BETWEEN HWYS)	HWY 2 – Southbound Lane (21 st Ave.)	HWY 2 – Northbound Lane (21 st Ave.)	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
27 th Street	23A Avenue	22A Avenue	Minor L cracking, Minor T cracking, existing patch area, minor potholes, moderate SR	Surface damage - mill and pave	

Streets					
Road	From	To	Deficiencies	Remediation	Rating
27 th Street	22A Avenue	22 nd Avenue	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
28 th Street (BETWEEN HWYS)	HWY 2 – Southbound Lane (21 st Ave.)	HWY 2 – Northbound Lane (20 th Ave.)	Minor L cracking, Minor T cracking, existing patch area, minor potholes, minor AH and SR	Surface damage Patch cracking	

Table 1-3 Avenues & Slade Drive

Avenues & Drives					
Road	From	To	Deficiencies	Remediation	Rating
22 nd Avenue	15 th Street	16 th Street	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
22 nd Avenue	16 th Street	18 th Street	Minor L cracking, Minor T cracking, Minor L&T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
22 nd Avenue	18 th Street	19 th Street	Minor L cracking, Minor T cracking, Minor L&T cracking, existing patch areas, sever AH and SR	Surface damage Mill and pave	
22 nd Avenue	19 th Street	20 th Street	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
22 nd Avenue	20 th Street	21 st Street	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
22 nd Avenue	21 st Street	22 nd Street	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
22 nd Avenue	22 nd Street	23 rd Street	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
22 nd Avenue	23 rd Street	24 th Street	Minor L cracking, Minor T cracking, existing patch areas, moderate AH and SR	Surface damage - mill and pave	
22 nd Avenue	24 th Street	25 th Street	Minor L cracking, Minor T cracking, existing patch areas, minor AH and SR	Surface damage Patch cracking	

Avenues & Drives					
Road	From	To	Deficiencies	Remediation	Rating
22 nd Avenue	25 th Street	26 th Street	Minor L cracking, Minor T cracking, existing patch areas, minor AH and SR	Surface damage Patch cracking	
22 nd Avenue	26 th Street	27 th Street	Minor L cracking, Minor T cracking, existing patch areas, minor AH and SR	Surface damage Patch cracking	
22A Avenue	26 th Street	27 th Street	Minor L cracking, Minor T cracking, existing patch area, minor potholes, moderate SR	Surface damage - mill and pave	
22A Avenue	27 th Street	22A Ave (Close)	Minor L cracking, Minor T cracking, existing patch area, minor potholes, moderate SR	Surface damage - mill and pave	
23rd Avenue	17 th Street	18 th Street	Moderate L cracking, Moderate T cracking, minor L&T cracking, existing patch area, moderate SR	Surface damage Patch cracking	
23rd Avenue	18 th Street	19 th Street	Moderate L cracking, Moderate T cracking, minor L&T cracking, existing patch area, moderate SR	Surface damage Patch cracking	
23rd Avenue	19 th Street	20 th Street	Moderate L cracking, Moderate T cracking, minor L&T cracking, existing patch area, moderate SR	Surface damage Patch cracking	
23rd Avenue	20 th Street	21 st Street	Minor L cracking, Minor T cracking, minor potholes, existing patch areas, minor AH and SR	Surface damage Patch cracking	
23rd Avenue	21 st Street	22 nd Street	Minor L cracking, Minor T cracking, minor potholes, existing patch areas, minor AH and SR	Surface damage Patch cracking	
23rd Avenue	22 nd Street	23 rd Street	Minor L cracking, Minor T cracking, minor L&T cracking, minor potholes, existing patch areas, minor AH and SR	Surface damage Patch cracking	
23rd Avenue	23 rd Street	24 th Street	Minor L cracking, Minor T cracking, minor L&T cracking, minor potholes, existing patch areas, minor AH and SR	Surface damage Patch cracking	
23rd Avenue	24 th Street	25 th Street	Minor L cracking, Minor T cracking, existing patch area, minor potholes, minor SR	Surface damage Patch cracking	
23rd Avenue	25 th Street	26 th Street	Moderate L cracking, Moderate T cracking, existing patch area, minor potholes, sever AH and SR	Surface damage - mill and pave	
23A Avenue	26 th Street	Slade Drive	Minor L cracking, Minor T cracking, existing patch area, minor potholes, minor SR	Surface damage Patch cracking	
24 th Avenue	19 th Street	20 th Street	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch area, minor AH & SR	Surface damage patch cracking	
24 th Avenue	20 th Street	21 st Street	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch area, minor AH & SR	Surface damage patch cracking	

Avenues & Drives					
Road	From	To	Deficiencies	Remediation	Rating
24 th Avenue	21 st Street	22 nd Street	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch area, minor AH & SR	Surface damage patch cracking	
24 th Avenue	22 nd Street	24 th Street	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch area, minor AH & SR	Surface damage patch cracking	
24 th Avenue	24 th Street	25 th Street	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch area, minor AH & SR	Surface damage patch cracking	
24 th Avenue	25 th Street	26 th Street	Minor L cracking, Minor T cracking, minor L&T cracking, existing patch area, minor AH & SR	Surface damage patch cracking	
24 th Avenue	26 th Street	Slade Drive	Minor T cracking, minor AH and SR	Surface damage patch cracking	
24A Avenue	26 th Street	Slade Drive	Minor T cracking, minor AH and SR	Surface damage patch cracking	
25 th Avenue	26 th Street	Slade Drive	Minor L cracking, Minor T cracking, Minor AH and SR	Surface damage patch cracking	
26 th Avenue	Hwy 2 Southbound Land	16 th Street	Moderate L cracking, Moderate T cracking, existing patch areas, minor potholes, moderate SR	Surface damage patch cracking	
26 th Avenue	16 th Street	17 th Street	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
26 th Avenue	17 th Street	18 th Street	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
26 th Avenue	18 th Street	19 th Street	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
26 th Avenue	19 th Street	20 th Street	Minor L and Minor T cracking, minor potholes, Moderate AH and SR	Surface damage patch cracking	
26 th Avenue	20 th Street	21 st Street	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
26 th Avenue	21 st Street	22 nd Street	Minor L and Minor T cracking, minor potholes, Moderate AH and SR	Surface damage patch cracking	
26 th Avenue	22 nd Street	24 th Street	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	

Avenues & Drives					
Road	From	To	Deficiencies	Remediation	Rating
26 th Avenue	24 th Street	Hwy 533	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
Slade Drive	27 th Street	23a Avenue	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
Slade Drive	23a Avenue	24 th Avenue	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
Slade Drive	24 th Avenue	24a Avenue	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
Slade Drive	24a Avenue	25 th Avenue	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
Slade Drive	25 th Avenue	Slade Place	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	
Slade Drive	Slade Place	24 th Street	Minor L and Minor T cracking, minor potholes, Minor to Moderate AH and SR	Surface damage patch cracking	

As the inspection results indicate, the majority of the roads Nanton are older and mildly to moderately deteriorated. That being said, there are few sections of road with extensive deterioration, and the areas that are mildly deteriorated are lightly trafficked and should not be of any immediate concern.

Overall, the majority of deterioration is through aging of the asphalt. A milling and paving program for these sections would likely be the most cost effective. Some sections of road show signs of road structure failure, at which point full structure replacement is the best course of action.

Road repairs, such as milling and paving, and full structure replacement in general should occur in line with utility replacement.

There are a total of three road sections that rated as Severely Deteriorated, and thirty three sections that are rated as Moderately Deteriorated.

Severely Deteriorated

- 18th Street (26th Avenue to 23rd Avenue) – Moderate longitudinal and transverse cracking throughout, with minor alligator cracking in areas. Sever age hardening and surface raveling in areas. Milling and Paving is recommended.

- 18th Street (23rd Avenue to 22nd Avenue) – Moderate longitudinal and transverse cracking throughout, with minor alligator cracking in areas. Sever age hardening and surface raveling in areas. Milling and Paving is recommended
- 18th Street (22nd Avenue to Highway 2 -Southbound Lane) – Moderate longitudinal and transverse cracking throughout, with sever alligator cracking in areas. Sever age hardening and surface raveling in areas. Structural failure in portions is likely, and replacement of full road structure is recommended.

Moderately Deteriorated (Structural Failure)

- 17th Street (16th Avenue to 23rd Avenue) – Moderate longitudinal and transverse cracking throughout, with moderate alligator cracking near the intersection of 16th Street. Moderate age hardening and surface raveling in areas. Structural failure near the intersection of 16th Street is likely, and replacement of full road structure is recommended for this area. Milling and paving is recommended for the remaining road section.

Moderately Deteriorated (Surface Deterioration)

- 15th Street (22nd Avenue to 16th Street) – Minor longitudinal and transverse cracking throughout. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 16th Street (26th Avenue to 22nd Avenue) – Minor longitudinal and transverse cracking throughout. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 18th Street (Highway 2 -Southbound Lane to Northbound Lane) – Minor longitudinal and transverse cracking throughout, with moderate alligator cracking at the intersections of Highway 2 north and south bound lanes. Sever age hardening and surface raveling in areas. Milling and Paving is recommended.
- 19th Street (26th Avenue to 24th Avenue) – Moderate longitudinal and transverse cracking throughout, with minor alligator cracking at the intersection of 26th Avenue. Sever age hardening and surface raveling in areas. Milling and Paving is recommended.
- 19th Street (22nd Avenue to Highway 2 -Southbound Lane) – Moderate longitudinal and transverse cracking throughout, with minor alligator cracking at the intersection of 21st Avenue. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 20th Street (Highway 2 - Southbound Lane to Highway 2 – Northbound Lane) – Moderate longitudinal and transverse cracking throughout, with minor alligator cracking. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.

- 21st Street (26th Avenue to 24th Avenue) – Minor longitudinal and transverse cracking throughout, with minor alligator cracking at the intersection of 26th Avenue. Sever surface raveling in areas. Milling and Paving is recommended.
- 23rd Street (23rd Avenue to 22nd Avenue) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 23rd Street (22nd Avenue to HWY 2 – Southbound Lane) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 23rd Street (HWY 2 – Southbound Lane to HWY 2 – Northbound Lane) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 25th Street (24th Avenue to 23rd Avenue) – Minor longitudinal and transverse cracking throughout. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 25th Street (23rd Avenue to 22nd Avenue) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 26th Street (24th Street to 25th Avenue) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 26th Street (25th Avenue to 24A Avenue) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 26th Street (24A Avenue to 24th Avenue) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 26th Street (24th Avenue to 23A Avenue) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 26th Street (23A Avenue to 23rd Avenue) – Minor longitudinal and transverse cracking throughout. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 26th Street (23rd Avenue to 22A Avenue) – Minor longitudinal and transverse cracking throughout. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.

- 26th Street (22A Avenue to 22nd Avenue) – Minor longitudinal and transverse cracking throughout. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 27th Street (23A Avenue to 22A Avenue) – Minor longitudinal and transverse cracking throughout. Moderate surface raveling in areas. Milling and Paving is recommended.
- 27th Street (22A Avenue to 22nd Avenue) – Minor longitudinal and transverse cracking throughout. Moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 22A Avenue (26th Street to 27th Street) – Minor longitudinal and transverse cracking throughout, moderate surface raveling in areas. Milling and Paving is recommended.
- 22A Avenue (27th Street to 22A Avenue Close) – Minor longitudinal and transverse cracking throughout, moderate surface raveling in areas. Milling and Paving is recommended.
- 22nd Avenue (15th Street to 16th Street) – Minor longitudinal and transverse cracking throughout, moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 22nd Avenue (16th Street to 18th Street) – Minor longitudinal and transverse cracking throughout, moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 22nd Avenue (18th Street to 19th Street) – Minor longitudinal and transverse cracking throughout, Sever surface raveling in areas. Milling and Paving is recommended.
- 22nd Avenue (19th Street to 20th Street) – Minor longitudinal and transverse cracking throughout, moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 22nd Avenue (20th Street to 21st Street) – Minor longitudinal and transverse cracking throughout, moderate age hardening and surface raveling in areas. Milling and Paving is recommended.
- 22nd Avenue (21st Street to 22nd Street) – Minor longitudinal and transverse cracking throughout, moderate age hardening and surface raveling in areas. Milling and Paving is recommended.

- 22nd Avenue (22nd Street to 23rd Street) – Minor longitudinal and transverse cracking throughout, moderate age hardening and surface raveling in areas. Milling and Paving is recommended.

- 22nd Avenue (23rd Street to 24th Street) – Minor longitudinal and transverse cracking throughout, moderate age hardening and surface raveling in areas. Milling and Paving is recommended.

- 23rd Avenue (25th Street to 26th Street) – Moderate longitudinal and transverse cracking throughout, sever age hardening and surface raveling in areas. Milling and Paving is recommended.

1.2 Severely Deteriorated Roads Projects

1.2.1 R1 – 18th Street (26th Avenue to 23rd Avenue)

Project Description

Mill and pave road width of 18th Avenue from 26th Avenue to 23rd Avenue.

Project Rationale

This section on 18th Avenue is moderately deteriorated, with moderate longitudinal and transverse cracking, along with minor alligator cracking in areas. Sever age hardening and surface raveling.

Project Details

- 2400 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 years.

Project Cost

Engineering	\$	31,000.00
Construction	\$	144,000.00
Contingency	\$	36,000.00
Total	\$	211,000.00



1.2.2 R2 – 18th Street (23rd Avenue to 22nd Avenue)

Project Description

Mill and pave road width of 18th Avenue from 23rd Avenue to 22nd Avenue.

Project Rationale

This section on 18th Avenue is moderately deteriorated, with moderate longitudinal and transverse cracking, along with minor alligator cracking in areas. Sever age hardening and surface raveling.

Project Details

- 1900 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 years.

Project Cost

Engineering	\$	26,000.00
Construction	\$	122,000.00
Contingency	\$	31,000.00
Total	\$	179,000.00



1.2.3 R3 – 18th Street (22nd Avenue to Highway 2 – Southbound Lane)

Project Description

Replace the full road width of 18th Avenue from 22nd Avenue to Highway 2 – Southbound Lane with new asphalt and road base.

Project Rationale

This section on 18th Avenue is moderately deteriorated, with moderate longitudinal and transverse cracking, along with severe alligator cracking in areas. Severe age hardening and surface raveling.

Project Details

- 2600 m² of full width and depth road replacement.

Project Trigger

- Project should be planned for in approximately the next 5 years

Project Cost

Engineering	\$	60,000.00
Construction	\$	281,000.00
Contingency	\$	71,000.00
Total	\$	412,000.00



1.3 Moderately Deteriorated Roads Projects – Structural Failure

1.3.1 R4 – 17th Street (16th Avenue to 23rd Avenue)

Project Description

Replace the full road width of 17th Avenue near the intersection of 16th Avenue with new asphalt and road base. Mill and pave remaining road section for the full road width up to 23rd Avenue.

Project Rationale

This section on 17th Avenue is moderately deteriorated, with moderate longitudinal and transverse cracking, along with minor alligator cracking in areas. Sever age hardening and surface raveling.

Project Details

- 400 m2 of full width and depth road replacement
- 1400 m2 of full width road milling and paving

Project Trigger

- Project should be planned for in approximately the next 5 years

Project Cost **ADD PRICING FOR INTERSECTION**

Engineering	\$	40,000.00
Construction	\$	180,000.00
Contingency	\$	45,000.00
Total	\$	265,000.00



1.4 Moderately Deteriorated Roads Projects – Surface Deterioration

1.4.1 R5 – 15th Street (22nd Avenue to 16th Street)

Project Description

Mill and pave the full road width of 15th Street from 22nd Avenue to 16th Street.

Project Rationale

This section on 15th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 2300 m² of full width road milling and paving

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years

Project Cost

Engineering	\$	30,000.00
Construction	\$	139,000.00
Contingency	\$	35,000.00
Total	\$	204,000.00



1.4.2 R6 – 16th Street (26th Avenue to 22nd Avenue)

Project Description

Mill and pave the full road width of 16th Street from 26th Avenue to 22nd Avenue.

Project Rationale

This section on 16th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 3000 m² of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	37,000.00
Construction	\$	169,000.00
Contingency	\$	43,000.00
Total	\$	249,000.00



1.4.3 R7 – 18th Street (Highway 2 – Southbound Lane to Northbound Lane)

Project Description

Mill and pave the full road width of 18th Street from Highway 2 – Southbound Lane to Northbound Lane.

Project Rationale

This section on 18th Street is moderately deteriorated, with minor longitudinal and transverse cracking, along with moderate alligator cracking in areas. Sever age hardening and surface raveling.

Project Details

- 2200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	29,000.00
Construction	\$	135,000.00
Contingency	\$	34,000.00
Total	\$	198,000.00



1.4.4 R8 – 19th Street (26th Avenue to 24th Avenue)

Project Description

Mill and pave the full road width of 19th Street from 26th Avenue to 24th Avenue.

Project Rationale

This section on 19th Street is moderately deteriorated, with moderate longitudinal and transverse cracking, along with minor alligator cracking at the intersection of 26th Avenue. Sever age hardening and surface raveling.

Project Details

- 1500 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	23,000.00
Construction	\$	105,000.00
Contingency	\$	26,000.00
Total	\$	154,000.00



1.4.5 R9 – 19th Street (22nd Avenue to Highway 2 – Southbound Lane)

Project Description

Mill and pave the full road width of 19th Street from 22nd Avenue to Highway 2 – Southbound Lane.

Project Rationale

This section on 19th Street is moderately deteriorated, with moderate longitudinal and transverse cracking, along with minor alligator cracking at the intersection of 21st Avenue. Moderate age hardening and surface raveling.

Project Details

- 2100 m² of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	28,000.00
Construction	\$	131,000.00
Contingency	\$	33,000.00
Total	\$	192,000.00



1.4.6 R10 – 20th Street (Highway 2 – Southbound Lane to Highway 2 – Northbound Lane)

Project Description

Mill and pave the full road width of 20th Street from Highway 2 – Southbound Lane to Highway 2 – Northbound Lane.

Project Rationale

This section on 20th Street is moderately deteriorated, with moderate longitudinal and transverse cracking, along with minor alligator cracking in areas. Moderate age hardening and surface raveling.

Project Details

- 2400 m² of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	31,000.00
Construction	\$	144,000.00
Contingency	\$	36,000.00
Total	\$	211,000.00



1.4.7 R11 – 21st Street (26th Avenue to 24th Avenue)

Project Description

Mill and pave the full road width of 21st Street from 26th Avenue to 24th Avenue.

Project Rationale

This section on 21st Street is moderately deteriorated, with minor longitudinal and transverse cracking, along with minor alligator cracking at the intersection of 26th Avenue. Sever age hardening and surface raveling.

Project Details

- 2800 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	35,000.00
Construction	\$	161,000.00
Contingency	\$	40,000.00
Total	\$	236,000.00



1.4.8 R12 – 23rd Street (23rd Avenue to 22nd Avenue)

Project Description

Mill and pave the full road width of 23rd Street from 23rd Avenue to 22nd Avenue.

Project Rationale

This section on 23rd Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 1700 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	24,000.00
Construction	\$	113,000.00
Contingency	\$	28,000.00
Total	\$	165,000.00



1.4.9 R13 – 23rd Street (22nd Avenue to Highway 2 – Southbound Lane)

Project Description

Mill and pave the full road width of 23rd Street from 22nd Avenue to Highway 2 – Southbound Lane.

Project Rationale

This section on 23rd Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 1800 m² of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	25,000.00
Construction	\$	120,000.00
Contingency	\$	30,000.00
Total	\$	175,000.00



1.4.10 R14 – 23rd Street (Highway 2 – Southbound Lane to Highway 2 – Northbound Lane)

Project Description

Mill and pave the full road width of 23rd Street from Highway 2 – Southbound Lane to Highway 2 – Northbound Lane.

Project Rationale

This section on 23rd Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 2400 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	31,000.00
Construction	\$	144,000.00
Contingency	\$	36,000.00
Total	\$	211,000.00



1.4.11 R15 – 25th Street (24th Avenue to 23rd Avenue)

Project Description

Mill and pave the full road width of 25th Street from 24th Avenue to 23rd Avenue

Project Rationale

This section on 25th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1800 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	25,000.00
Construction	\$	120,000.00
Contingency	\$	30,000.00
Total	\$	175,000.00



1.4.12 R16 – 25th Street (23rd Avenue to 22nd Avenue)

Project Description

Mill and pave the full road width of 25th Street from 23rd Avenue to 22nd Avenue

Project Rationale

This section on 25th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 1800 m² of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 -10 years.

Project Cost

Engineering	\$	25,000.00
Construction	\$	120,000.00
Contingency	\$	30,000.00
Total	\$	175,000.00



1.4.13 R17 – 26th Street (24th Street to 25th Avenue)

Project Description

Mill and pave the full road width of 26th Street from 24th Street to 25th Avenue

Project Rationale

This section on 26th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 2000 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 -10 years.

Project Cost

Engineering	\$	27,000.00
Construction	\$	126,000.00
Contingency	\$	32,000.00
Total	\$	185,000.00



1.4.14 R18 – 26th Street (25th Avenue to 24A Avenue)

Project Description

Mill and pave the full road width of 26th Street from 25th Avenue to 24A Avenue

Project Rationale

This section on 26th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 1400 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	22,000.00
Construction	\$	100,000.00
Contingency	\$	25,000.00
Total	\$	147,000.00



1.4.15 R19 – 26th Street (24A Avenue to 24th Avenue)

Project Description

Mill and pave the full road width of 26th Street from 24A Avenue to 24th Avenue

Project Rationale

This section on 26th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 1000 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	18,000.00
Construction	\$	83,000.00
Contingency	\$	21,000.00
Total	\$	122,000.00



1.4.16 R20 – 26th Street (24th Avenue to 23A Avenue)

Project Description

Mill and pave the full road width of 26th Street from 24th Avenue to 23A Avenue

Project Rationale

This section on 26th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 1100 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	19,000.00
Construction	\$	88,000.00
Contingency	\$	22,000.00
Total	\$	129,000.00



1.4.17 R21 – 26th Street (23A Avenue to 23rd Avenue)

Project Description

Mill and pave the full road width of 26th Street from 23A Avenue to 23rd Avenue

Project Rationale

This section on 26th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1100 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	19,000.00
Construction	\$	88,000.00
Contingency	\$	22,000.00
Total	\$	129,000.00



1.4.18 R22 – 26th Street (23rd Avenue to 22A Avenue)

Project Description

Mill and pave the full road width of 26th Street from 23rd Avenue to 22A Avenue

Project Rationale

This section on 26th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1100 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	19,000.00
Construction	\$	88,000.00
Contingency	\$	22,000.00
Total	\$	129,000.00



1.4.19 R23 – 26th Street (22A Avenue to 22nd Avenue)

Project Description

Mill and pave the full road width of 26th Street from 22A Avenue to 22nd Avenue

Project Rationale

This section on 26th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1100 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	19,000.00
Construction	\$	88,000.00
Contingency	\$	22,000.00
Total	\$	129,000.00



1.4.20 R24 – 27th Street (23A Avenue to 22A Avenue)

Project Description

Mill and pave the full road width of 27th Street from 23A Avenue to 22A Avenue

Project Rationale

This section on 27th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate surface raveling.

Project Details

- 1800 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	25,000.00
Construction	\$	120,000.00
Contingency	\$	30,000.00
Total	\$	175,000.00



1.4.21 R25 – 27th Street (22A Avenue to 22nd Avenue)

Project Description

Mill and pave the full road width of 27th Street from 22A Avenue to 22nd Avenue

Project Rationale

This section on 27th Street is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1000 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	18,000.00
Construction	\$	83,000.00
Contingency	\$	21,000.00
Total	\$	122,000.00



1.4.22 R26 – 22A Avenue (26th Street to 27th Street)

Project Description

Mill and pave the full road width of 22A from 26th Street to 27th Street

Project Rationale

This section on 22A Avenue is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.23 R27 – 22A Avenue (27th Street to 22A Avenue Close)

Project Description

Mill and pave the full road width of 22A from 27th Street to 22A Avenue Close

Project Rationale

This section on 22A Avenue is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.24 R28 – 22nd Avenue (15th Street to 16th Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 15th Street to 16th Street

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.25 R29 – 22nd Avenue (16th Street to 18th Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 16th Street to 18th Street

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking, moderate age hardening and surface raveling.

Project Details

- 2200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	29,000.00
Construction	\$	135,000.00
Contingency	\$	34,000.00
Total	\$	198,000.00



1.4.26 R30 – 22nd Avenue (18th Street to 19th Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 18th Street to 19th Street.

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking throughout. Sever age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.27 R31 – 22nd Avenue (19th Street to 20th Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 19th Street to 20th Street.

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking throughout. Sever age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 to 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.28 R32 – 22nd Avenue (20th Street to 21st Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 20th Street to 21st Street.

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking throughout. Sever age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.29 R33 – 22nd Avenue (21st Street to 22nd Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 21st Street to 22nd Street.

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking throughout. Sever age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.30 R34 – 22nd Avenue (22nd Street to 23rd Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 22nd Street to 23rd Street.

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking throughout. Sever age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.31 R35 – 22nd Avenue (23rd Street to 24th Street)

Project Description

Mill and pave the full road width of 22nd Avenue from 23rd Street to 24th Street.

Project Rationale

This section on 22nd Avenue is moderately deteriorated, with minor longitudinal and transverse cracking throughout. Sever age hardening and surface raveling.

Project Details

- 1200 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	20,000.00
Construction	\$	92,000.00
Contingency	\$	23,000.00
Total	\$	135,000.00



1.4.32 R36 – 23rd Avenue (25th Street to 26th Street)

Project Description

Mill and pave the full road width of 23rd Avenue from 25th Street to 26th Street.

Project Rationale

This section on 23rd Avenue is moderately deteriorated, with moderate longitudinal and transverse cracking throughout. Sever age hardening and surface raveling.

Project Details

- 1100 m2 of full width road milling and paving.

Project Trigger

- Project should be planned for in approximately the next 5 - 10 years.

Project Cost

Engineering	\$	19,000.00
Construction	\$	88,000.00
Contingency	\$	22,000.00
Total	\$	129,000.00



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Appendix A Road Figures

