

Brainerd/Baxter

7804 Industrial Park Road Baxter MN 56425

> 218.829.5117 Baxter@Widseth.com Widseth.com

2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT

MUNICIPAL PROJECT NO. 4424

FEASIBILITY REPORT

Council Approval Date: September 19, 2023
Revised Council Approval Date: December 19, 2023
Amended Council Approval Date: January 16, 2024
3rd Amended Council Approval Date:

Prepared for City of Baxter

WIDSETH No. 2023-10353

Engineering Architecture Surveying Environmental

2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT MUNICIPAL PROJECT NO. 4424

FEASIBILITY REPORT

Prepared for City of Baxter

WIDSETH No. 2023-10353

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

57744

04-16-2024

Alex Bitter

License Number

Date

Professional Engineer

2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT

MUNICIPAL PROJECT NO. 4424

FEASIBILITY REPORT

TABLE OF CONTENTS

Certification Sheet	CS
Table of Contents	
Statement of Purpose	2
Existing Conditions	
Proposed Improvements	28
Estimated Project Costs	
Project Implementation	
Conclusions and Recommendations	
LIST OF FIGURES Figure 1 Project Area	4
APPENDICES	
Existing Typical Section Sheets	Appendix A
Proposed Typical Section Sheets	Appendix E
Engineers Estimate & Assessment Calculations	Appendix C
Project Schedule	
Reevaluated Roads	Appendix E

1

2023-10353

STATEMENT OF PURPOSE

The purpose of this Report is to review the feasibility of improving various roadway segments within the municipal limits as part of the City of Baxter's ongoing pavement management program. Residential and commercial roadways are scheduled for maintenance improvements in 2024. On March 7, 2023, the City Council authorized Widseth to complete a Feasibility Report relative to these improvements.

Roadways and projects reviewed in this Report include:

Residential Mill & Overlay:

- Jepson Road in its entirety.
- · Kingwood Drive in its entirety.
- Knollwood Court in its entirety.
- Fairfax Road in its entirety.
- Fairfax Court in its entirety.
- Cottage Grove Drive in its entirety.
- Northwoods Drive in its entirety.
- · Camden Road in its entirety.
- Kenwood Drive (Fairview Road to 1,590' north of Fairview Road)

Residential Full Depth Reclamation:

- Interlacken Road in its entirety.
- Fairmont Court in its entirety.
- Edmonton Road in its entirety.
- Donald Street in its entirety.
- Parkwood Drive (Mountain Ash Drive to Kingwood Drive)
- Knollwood Drive (Fairview Road to Donald Street)
- Glory Road (1,600' west of Isle Drive to 1,125' west of Isle Drive)

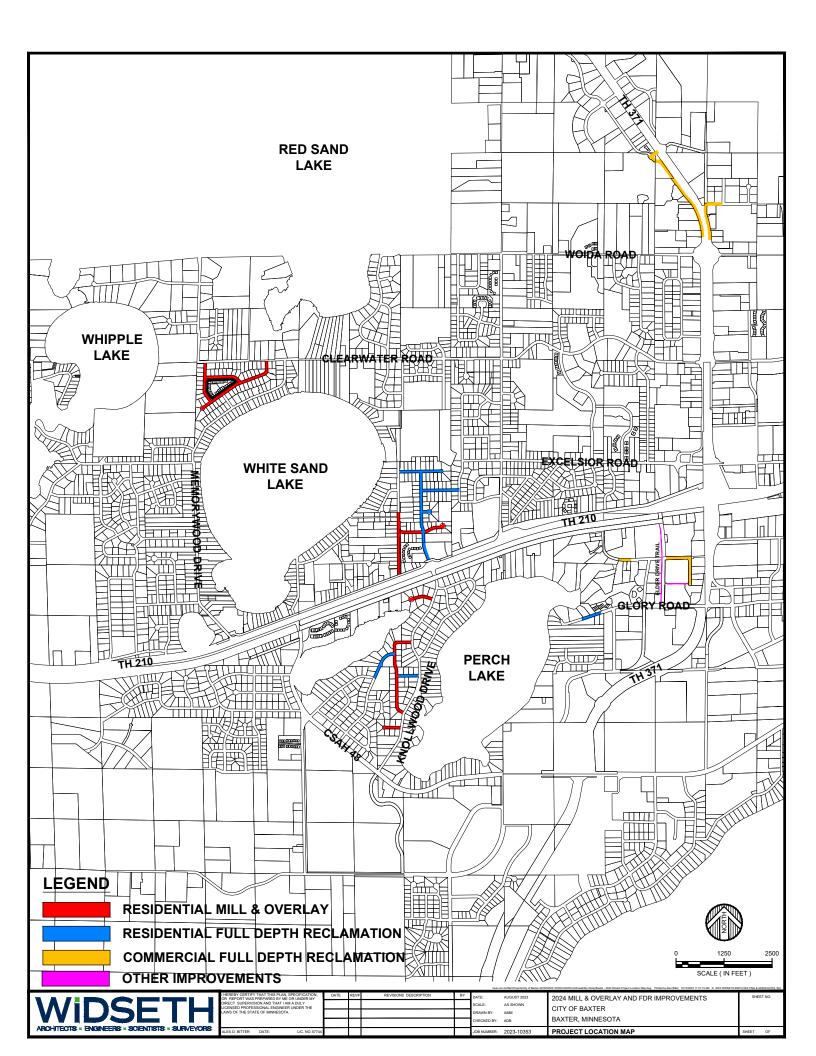
Commercial Full Depth Reclamation:

- Elmwood Drive in its entirety.
- Forthun Road (Elder Dr to Elmwood Drive)
- Forthun Road (570' west of roundabout to 386' west of roundabout)
- Edgewood Drive (530' north of Woida Road to Novotny Road)
- Novotny Road (300' west of TH 371 to TH 371)
- Whispering Woods Lane (Dellwood Drive to Pearl Drive)
- Dellwood Drive (430' north of Woida Road to Whispering Woods Lane)

Other Improvements

- Garrison Road Trail and City Utility Improvements
- Elder Drive Trail Improvements

This Report will review existing conditions, propose feasible improvements, estimate project costs, discuss project implementation, and present conclusions and recommendations for the Project Area. The Project Areas are shown in Figure 1.



EXISTING CONDITIONS

Residential Mill & Overlay

Jepson Road

Jepson Road is a cul-de-sac road located west of Knollwood Drive. The roadway is approximately 496 feet in length with a standard cul-de-sac at the west end. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2001 as part of the "2001 Parkwood Area Improvements." The project included construction of gravity sanitary sewer and rural roadway section.

Jepson Road is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 7. The PASER evaluates the pavement condition regarding the longitudinal and lateral cracking of the bituminous. Along with the cracking, there are areas that consist of stripping of the bituminous approximately ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There are some signs of flooding on the east end of the road, but it appears to be seasonal and short term. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 2001 Parkwood Area improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC water main that was constructed as part of the 1979 Water Improvements Project. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, Jepson Road's fittings are likely ductile iron. A water main exploratory excavation needs to be completed to fully determine the type of fittings and replace them if necessary. The fire hydrant on the west end of the cul-de-sac is still the original hydrant and is likely in need of restoration based on the 2019 Hydrant Installation Year Review Report.





Kingwood Drive

Kingwood Drive is located west of Knollwood Drive and runs along Loren Thompson Park. The roadway is approximately 2,381 feet in length. The Project Area is zoned R1, low-density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2001 as part of the "2001 Parkwood Area Improvements." The project included construction of gravity sanitary sewer and rural roadway section.

Kingwood Drive is 26' wide with two-13' driving lanes and a 1' grassed shoulder. There is a trail that runs 55' connecting the Interlacken Road trail to Loren Thompson Park. The pavement section consists of 3.5" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating range of 5 to 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking, there are areas that consist of stripping of the bituminous at ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts. The biggest areas of concern are the intersection with Parkwood Drive and the road section north of that intersection. This area sees a lot more traffic than the rest of the road

This roadway does not have curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There are some signs of flooding near the intersection of Knollwood Drive which flows over a driveway. A culvert may be helpful underneath the driveway. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer which was constructed as part of the 2001 Parkwood Area improvements. Televising has not been completed as part of this project, so no issues with the pipe have not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC watermain that was constructed as part of the 1979 Water Improvements Project. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, the intersection of Kingwood Drive with Parkwood Drive is likely to have PVC fittings. The rest of Kingwood Drive's fittings are likely to be ductile iron. A water main exploratory excavation needs to be completed to fully determine the type of fittings and replace them if necessary. The two fire hydrants on Kingwood Drive are still the original hydrants and are likely in need of restoration based on the 2019 Hydrant Installation Year Review Report.





Knollwood Court

Knollwood Court is a cul-de-sac located west of Knollwood Drive. The roadway is approximately 660 feet in length. The Project Area is zoned R1, low-density residential and is located within a 66-foot-wide platted right-of-way. This roadway does not have a trail associated with it. The roadway corridor was last improved in 2001 as part of the "2001 Parkwood Area Improvements." The project included construction of gravity sanitary sewer and rural roadway section.

Knollwood Court is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking, there are areas that consist of stripping of the bituminous approximately ½" in depth, especially in the cul-de-sac area. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

The storm sewer system that serves this area was constructed as part of the 2001 Parkwood Area Improvements. This roadway does not have curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 2001 Parkwood Area improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is served by an 8" PVC watermain that was constructed as part of the 1979 Water Improvements Project. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, Knollwood Court likely has ductile iron fittings. A water main exploratory excavation needs to be completed to fully determine the type of fittings and replace them if necessary. The fire hydrant in the cul-de-sac on the west end of the road is still the original hydrant and is likely in need of restoration based on the 2019 Hydrant Installation Year Review Report.



Fairfax Road

Fairfax Road runs between Kenwood Drive and Knollwood Drive. The roadway is approximately 647 feet in length. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2002 as part of the "2002 Paige and Blair Second Addition Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Fairfax Road is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous 1-1 ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 2002 Paige and Blair Second Addition Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 2002 Paige and Blair Second Addition Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Fairfax Court

Fairfax Court is a cul-de-sac located east of Knollwood Drive and across from Fairfax Road. The roadway is approximately 592 feet in length with a cul-de-sac at the east end. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2002 as part of the "2002 Paige and Blair Second Addition Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Fairfax Court is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous at ½" in depth especially in the cul-de-sac, and some potholes. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 2002 Paige and Blair Second Addition Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 2002 Paige and Blair Second Addition Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Cottage Grove Drive

Cottage Grove Drive is a road south of Clearwater Road that ends in a cul-de-sac. The roadway is approximately 2,345 feet in length with a cul-de-sac on the southwest end. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2003 as part of the "2003 Cottage Grove Drive Utility Extensions." The project included completing construction of gravity sanitary sewer, watermain and rural roadway section.

Cottage Grove Drive is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating range of 7 to 8. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. In addition to the cracking there is stripping occurring on this road as well at ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer from Northwoods Drive to the cul-de-sac and a 10" PVC from Camden Road to Northwoods Drive that was constructed as part of the 1996 White Sand North Subdivision Improvements Phase 1. A 10" PVC was constructed with the White Sand North 1999 Phase 3 Improvements and 2003 Cottage Grove Drive Utility Extensions. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 1996 White Sand North Subdivision Improvements Phase 1, White Sand North 1999 Phase 3 Improvements, and 2003 Cottage Grove Drive Utility Extensions. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Northwoods Drive

Northwoods Drive is a road that runs between Clearwater Road and the west side of Cottage Grove Drive. The roadway is approximately 1,102 feet in length. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 1997 as part of the "1997 White Sand North Subdivision Improvements Phase 2." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Northwoods Drive is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous at ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by a 10" PVC sanitary sewer that was constructed as part of the 1996 White Sand North Subdivision Improvements Phase 1 and 1997 White Sand North Subdivision Improvements Phase 2. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 1996 White Sand North Subdivision Improvements Phase 1 and 1997 White Sand North Subdivision Improvements Phase 2. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





2023-10353

Camden Road

Camden Road runs between Northwoods Drive and Cottage Grove Drive. The roadway is approximately 990 feet in length. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 1999 as part of the "1999 White Sand North Phase 3 Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Camden Road is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous at ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There are some areas that does not drain well and driveways are under water during the spring melt and large rain events. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the White Sand North 1999 Phase 3 Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the White Sand North 1999 Phase 3 Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Kenwood Drive

This section of Kenwood Drive runs from Fairview Road to approximately 1,590' north of Fairview Road. The roadway is 1,646 feet in length. This Project Area is zoned R1, low density residential and R3, high density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2004 as part of the "2004 Kenwood Drive and Sandstone Road Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Kenwood Drive is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating range of 6 to 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous at ½" in depth and the right-of-way needs to be cleaned up. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 2004 Kenwood Drive and Sandstone Road Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC watermain that was constructed as part of the 1989 Sewer and Water Improvements and the 2004 Kenwood Drive and Sandstone Road Improvements. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, the area of Kenwood Drive from Sandstone Road to Donald Street most likely has PVC fittings. A water main exploratory excavation needs to be completed to determine the type of fittings and replace them, if necessary.



Residential Full Depth Reclamation

Interlacken Road

Interlacken Road runs between Kingwood Drive and Knollwood Drive. The roadway is approximately 603 feet in length. The Project Area is zoned R1, low-density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2001 as part of the "2001 Parkwood Area Improvements." The project included construction of gravity sanitary sewer and rural roadway section.

Interlacken Road is 36' wide, with two-13' driving lanes, a 10' continuation of pavement trail and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 5. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking, there are areas that consist of stripping of the bituminous approximately ½" to 1" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer, which was constructed as part of the 2001 Parkwood Area improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 1979 Water Improvements Project. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, Interlacken Road likely has ductile iron fittings. A water main exploratory excavation needs to be completed to fully determine the type of fittings and replace them if necessary. The fire hydrant on the west end of the road is still the original hydrant and is likely in need of restoration based on the 2019 Hydrant Installation Year Review Report.



Fairmont Court

Fairmont Court is a cul-de-sac located east of Knollwood Drive, north of T.H. 210. The roadway is approximately 273 feet in length with a cul-de-sac at the east end. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2000 as part of the "2000 Paige and Blair First Addition Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Fairmont Court is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 5. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the significant cracking there are areas that consist of stripping of the bituminous especially in the cul-de-sac approximately ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 2000 Paige and Blair First Addition Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 2000 Paige and Blair First Addition Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





2023-10353

Edmonton Road

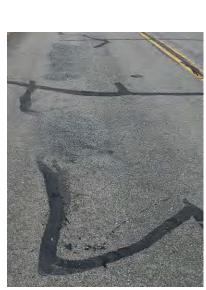
Edmonton Road runs between Knollwood Drive and Cherrywood Drive. The roadway is approximately 997 feet in length. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 1999 as part of the "1999 Paige and Blair Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Edmonton Road is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 5. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous and lots of patching.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 1999 Paige and Blair Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 1999 Paige and Blair Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Donald Street

Donald Street is a road that runs between Kenwood and Knollwood Drive. The roadway is approximately 1,161 feet in length. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 1989 as part of the "1989 Sewer and Water Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Donald Street is 24' wide with two-12' driving lanes and a 1' grassed shoulder. The pavement section consists of 3" bituminous and 3" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 6. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by a 10" PVC sanitary sewer that was constructed as part of the 1989 Sewer and Water Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined.

This area is also served by an 8" PVC watermain that was constructed as part of the 1989 Sewer and Water Improvements. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, Donald Street's intersection with Kenwood Drive likely has plastic fittings. A water main exploratory excavation needs to be completed to fully determine the type of fittings and replace them if necessary.



Parkwood Drive

This section of Parkwood Drive runs from Mountain Ash Drive to Kingwood Drive. The roadway is approximately 879 feet in length. This Project Area is zoned R1, low density residential and Public Benefit and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2001 as part of the "2001 Parkwood Area Improvements." The project included construction of gravity sanitary sewer, section of watermain and rural roadway section.

Parkwood Drive is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3" bituminous and 4" of Class 5 base. This roadway does not meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating of 4. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous at ½" in depth and numerous potholes and patching. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 1992 Wedgewood and Oak Street Improvements and 2001 Parkwood Area Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 6" PVC watermain that was constructed as part of the 1987 Southdale Utility Extensions and Kentwood Drive Improvements. An 8" PVC was constructed with the 1992 Wedgewood and Oak Street Improvements. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, this section of Parkwood Drive has fittings that are likely PVC. A water main exploratory excavation needs to be completed to fully determine the type of fittings and replace them, if necessary.



Knollwood Drive

This section of Knollwood Drive runs from Fairview Road to Donald Street North of T.H. 210. The roadway is approximately 2,354 feet in length. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2003 as part of the "2003 Paige and Blair Second Addition and 2003 Knollwood Drive Extensions (North of T.H. 210) Improvements." The project included construction of sections of gravity sanitary sewer, watermain and rural roadway section.

Knollwood Drive is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does meet the City standard of a 9-ton roadway. In 2022 the roadway was given a PASER Rating range of 4 to 6. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous at ½" in depth. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts. This road has areas of pavement that are lower than the rest of the road and a lot of damaged areas.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There are drainage issues at the intersection with Donald Street. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" and 10" PVC sanitary sewer that was constructed as part of the 1989 Sewer and Water Improvements, 1999 Paige and Blair Improvements, 2000 Paige and Blair First Addition and the 2003 Paige and Blair Second Addition. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC watermain that was constructed as part of the 1989 Sewer and Water Improvements, 1999 Paige and Blair Improvements, 2000 Paige and Blair First Addition, 2003 Paige and Blair Second Addition, and 2003 Knollwood Drive Extensions (North of T.H. 210) Improvements. This era of construction was known to use plastic water main fittings. Based on the 2019 Watermain Fitting Review Report, Knollwood Drive's intersection with Donald Street has fittings that are likely PVC. A water main exploratory excavation needs to be completed to fully determine the type of fittings and replace them, if necessary.



2023-10353

Glory Road

This section of Glory Road runs from 1,600' west of Isle Drive to approximately 1,125' west of Isle Drive. The roadway is 515 feet in length. This Project Area is zoned R1, low density residential and is located within a 66-foot-wide platted right-of-way. The roadway corridor was last improved in 2000 as part of the "2000 Glory Road Improvements." The project included construction of gravity sanitary sewer, watermain and rural roadway section.

Glory Road is 26' wide with two-13' driving lanes and a 1' grassed shoulder. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating of 3. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of a lot of patching.

This roadway does not have a trail, curb and gutter or a storm sewer system. The runoff from the roadway drains off in the shallow swales along the side of the road where runoff infiltrates. There may need to be some deepening of the ditches to reduce the chance of runoff from standing on the road and the driveways.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 2000 Glory Road Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC watermain that was constructed as part of the 2000 Glory Road Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.



2023-10353

Commercial Full Depth Reclamation

Elmwood Drive

Elmwood Drive runs between Forthun Road and Garrison Road east of T.H. 371. The roadway is approximately 681 feet in length. This Project Area is zoned C2, regional commercial and is located within an 80-foot-wide platted right-of-way. The roadway corridor was constructed in 1998 as part of the "1998 MNDOT T.H. 210 to T.H. 371 Project Area." The project included construction of gravity sanitary sewer, watermain and urban roadway section.

Elmwood Drive is 33' wide with two-16.50' driving lanes. The pavement section consists of 3.5" bituminous and 6" of class 6 base. This roadway does not meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating of 6. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous approximately 1 ½"-2" in depth, patching from construction entrances and curb issues. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This area is served by a storm sewer system that was constructed as part of the 1998 MNDOT T.H. 210 to T.H. 371 Project Area.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 1998 MNDOT T.H. 210 to T.H. 371 Project Area. Televising has not been completed as part of this project, so any issues with the pipe have not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC watermain that was constructed as part of the the 1996 Watermain Extensions for Navillus Land Company and 1998 MNDOT T.H. 210 to T.H. 371 Project Area. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Forthun Road East

This section of Forthun Drive runs from Elder Dr to Elmwood Drive. The roadway is approximately 687 feet in length. This Project Area is zoned C2, regional commercial and is located within an 80-foot-wide platted right-of-way. The roadway corridor was constructed in 1998 as part of the "1998 MNDOT T.H. 210 to T.H. 371 Project Area." The project included construction of gravity sanitary sewer, watermain and urban roadway section.

This section of Forthun Road is 33' wide with two-16.50' driving lanes and a 10' trail. The pavement section consists of 3.5" bituminous and 6" of class 6 base. This roadway does not meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating of 4. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous approximately ½" in depth, patching, potholes, curb and trail area that need to be repaired and pedestrian ramps that need to be updated. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

There is a 10-foot trail that runs along the north side of the road that consists of 2" of bituminous and 4" of Class 5 base.

This area is served by a storm sewer system that was constructed as part of the 1998 MNDOT T.H. 210 to T.H. 371 Project Area.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 1998 MNDOT T.H. 210 to T.H. 371 Project Area. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

Water doesn't run the length of Forthun Road, only an 8" PVC passes through at intersection of Elmwood Drive that was constructed with the 1996 Watermain Extensions for Navillus Land Company. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.



Forthun Road West

This section of Forthun Road runs 570' west of the roundabout to 386' west of the roundabout. The roadway is approximately 286 feet in length. This Project Area is zoned C2, regional commercial and OS, office service and is located within a 66-foot-wide platted right-of-way. There is no trail associated with this road. The roadway corridor was constructed in 1999 as part of the "1999 Forthun Road Improvements Phase 2." The project included construction of gravity sanitary sewer, watermain and urban roadway section.

Forthun Road west is 36' wide with two-18' driving lanes. The pavement section consists of 3.5" bituminous and 3" of Class 5 base. This roadway does not meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating of 3. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous approximately ½" in depth, patching, curb damage and drainage issues in driveways. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

This area is served by a storm sewer system that was constructed as part of the 1999 Forthun Road Improvements Phase 2.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 1999 Forthun Road Improvements Phase 2. Televising has not been completed as part of this project, so any issues with the pipe have not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC watermain that was constructed as part of the 1999 Forthun Road Improvements Phase 2. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.



Edgewood Drive

This portion of Edgewood Drive runs 530' north of Woida Road to Novotny Road. The roadway is approximately 2,665 feet in length. This Project Area is zoned C2, regional commercial and is located within a 66-foot-wide platted right-of-way. There is no trail associated with this road. The roadway corridor was last improved in 2003 as part of the "2003 Edgewood Drive North Utility and Roadway Extension." The project included construction of a watermain and urban roadway section.

The section of Edgewood Drive north of Woida Road to Novotny is 36' wide with two-18' driving lanes. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does not meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating range of 5 to 6. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous approximately ½" in depth, significant potholes and breaking along the driveways. The stripping has shown to move quickly through the entire bituminous section if not removed as signs of stripping starts.

The stormwater system was constructed as part of the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements, 2003 Edgewood Drive North Utility & Roadway Extension

This area is served by a 10" PVC sanitary sewer that was constructed as part of the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 10" PVC watermain that was constructed as part of the 1979 Water Improvements Project. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Novotny Road

This portion of Novotny Road runs 300' west of T.H. 371 to T.H. 371. The roadway is approximately 300 feet in length. This Project Area is zoned C2, regional commercial and is located within an 80-foot-wide platted right-of-way. There is no trail associated with this road. The roadway corridor was last improved in 2003 as part of the "2003 Edgewood Drive North Utility and Roadway Extension." The project included construction of a watermain and urban roadway section.

The section of Novotny Road 300' west of TH 371 to TH 371 varies in width and includes a 14' and 10' driving lane heading west and 14' lane heading east along with a varying width median. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does not meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating of 6. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous.

The stormwater system was constructed as part of the 2003 Edgewood Drive North Utility & Roadway Extension.

This area is served by a 10" PVC sanitary sewer that was constructed as part of the 2003 Edgewood Drive North Utility & Roadway Extension. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 10" PVC watermain that was constructed as part of the 2003 Edgewood Drive North Utility & Roadway Extension. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Whispering Woods Lane

This section of Whispering Woods Lane runs from Dellwood Drive to Pearl Drive. The roadway is approximately 462 feet in length. This Project Area is zoned C2, regional commercial and is located within a 66-foot-wide platted right-of-way. There is no trail associated with this road. The roadway corridor was constructed in 2002 as part of the "2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements." The project included construction of gravity sanitary sewer, watermain and urban roadway section.

Whispering Woods Lane is 32' wide with two-16' driving lanes. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does not meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating of 7. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of potholes.

This area is served by a storm sewer system that was constructed as part of the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements.

This area is served by a 10" PVC sanitary sewer that was constructed as part of the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements. Televising has not been completed as part of this project, so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by a 10" PVC watermain that was constructed as part of the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Dellwood Drive

This portion of Dellwood Drive runs 430' north of Woida Road to Whispering Woods Lane. The roadway is approximately 430 feet in length. This Project Area is zoned C2, regional commercial and is located within a platted right-of-way that runs along T.H. 371. There is no trail associated with this road. The roadway corridor was last improved in 2002 as part of the "2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements." The project included construction of gravity sanitary sewer, watermain and urban roadway section.

The section of Dellwood Drive that runs 430' north of Woida Road to Whispering Woods Lane is 36' wide with two-18' driving lanes. The pavement section consists of 3.5" bituminous and 5" of Class 5 base. This roadway does not meet the City standard of a 10-ton roadway. In 2022 the roadway was given a PASER Rating of 6. The PASER evaluates the pavement condition regarding longitudinal and lateral cracking of the bituminous. Along with the cracking there are areas that consist of stripping of the bituminous approximately ½" in depth and cracking in cement. There is interest in a turn lane being added to Dellwood Drive into the Menards south entrance.

The stormwater system was constructed with the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements.

This area is served by a 10" PVC sanitary sewer that was constructed as part of the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements. Televising has not been completed as part of this project so any issues with the pipe has not been determined. The manhole lids need repair and require new rings and castings. There is a service manhole in front of the Firehouse Sub Property the City is having trouble cleaning. An additional manhole in the street is required for better cleaning. This will likely be an outside drop manhole. The City would also upsize the service line between the two manholes to an 8" instead on the existing 6" service.

This area is also served by a 10" PVC watermain that was constructed as part of the 2002 MN 371 Frontage Roads and Whispering Woods Lane Utility Improvements. This area of watermain was not shown on the 2019 Watermain Fitting Review Report or the 2019 Hydrant Installation Year Review Report that needs corrective work or exploratory excavations.





Other Improvements

Garrison Road

This section of Garrison Road runs from Elder Drive to Elmwood Drive. It is a private road that is 613 feet in length. This Project Area is zoned C2, regional commercial and is located within an 80-foot-wide platted right-of-way. The roadway was updated this year through the Copeland Mill & Overlay Project.

Garrison Road is 33' wide with two-16.50' driving lanes. The pavement section consists of 3.5" bituminous and 6" of class 6 base. Garrison Road was last improved in 2023 with the Copeland Mill & Overlay Project. During this project, the City reached out to each property owner and asked them to bring their ADA facilities into compliance. The property south of Garrison Road did bring their ADA sidewalk and PED ramp into compliance not the north property did not. The trail and PED ramps were not constructed to meet ADA compliance at the time of initial construction, and they need to be corrected.

This road features a 10' trail that runs along the north side. The trail and pedestrian ramps aren't ADA compliant and are in need of replacement.

This area is served by a storm sewer system that was constructed as part of the 1998 MNDOT T.H. 210 to T.H. 371 Project Area. The catch basins are in need of repair for this road.

This area is served by an 8" PVC sanitary sewer that was constructed as part of the 1998 MNDOT T.H. 210 to T.H. 371 Project Area. Televising has not been completed as part of this project, so any issues with the pipe have not been determined. The manhole lids need repair and require new rings and castings.

This area is also served by an 8" PVC watermain that was constructed as part of the 1998 MNDOT T.H. 210 to T.H. 371 Project Area.

Elder Drive Trail Improvements

The trail located along Elder Drive that extends from Glory Road to Foley Road is approximately 2,100 ft in length. This section of trail was constructed in 1998 and is in need of repair. In 2017, the ADA Transition Plan indicated the trail and PED ramps do not meet current ADA standards. The pavement consists of cracking and crack sealing. The trail is rounded on the edges in places and does not meet the minimum 10' width due to the rounding.

PROPOSED IMPROVEMENTS

Residential Mill & Overlay

Jepson Road

In 2022, Jepson Road was rated a 7 on the PACER scale. This means that the road is beginning to show signs of aging and needs maintenance. Jepson Road has areas of bituminous that are stripping at approximately ½" in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Jepson Road will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Jepson Road include removal and replacement of the sanitary sewer manhole lid, castings, and rings.

Watermain improvements include restoration of the fire hydrant on the west end of the cul-desac, as it is the original hydrant for the road. In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on Jepson Road need to be reviewed. A water main exploratory excavation needs to be completed on the west end of the road to determine the type of fitting and if it needs to be replaced.

Other improvements to Jepson Road include installing new pavements markings.

Proposed improvements to Jepson Road are shown on the typical section pages.

Kingwood Drive

In 2022, Kingwood Drive was rated a range of 5 to 7 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Kingwood Drive has areas of bituminous that are stripping at approximately ½" in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous. The section of this road north of Parkwood Drive sees a lot of traffic and is in severe condition. FDR may be necessary on this road in order to keep the pavement life and less maintenance issues in the future.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Kingwood Drive will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Kingwood Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Watermain improvements include restoration of 2 fire hydrants on the road, as they are the original hydrants for the road. In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on Kingwood Drive need to be reviewed. A water main exploratory excavation needs to be completed on the road to determine the type of fittings and if they need to be replaced.

The trail that runs along Kingwood Drive connecting Loren Thompson Park to Interlacken Road is an extension of the road. This 55' long trail will be included in the Mill and Overlay process and restriped to assure pedestrian safety.

Other improvements to Kingwood Drive include replacing the signage and installing new pavements markings.

Proposed improvements to Kingwood Drive are shown on the typical section pages.

Knollwood Court

In 2022, Knollwood Court was rated a 7 on the PACER scale. This means that the road is beginning to show signs of aging and needs maintenance. Knollwood Court has areas of bituminous that are stripping at approximately $\frac{1}{2}$ " in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Knollwood Court will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Knollwood Court include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Watermain improvements include restoration of the fire hydrant at the cul-de-sac as it is the original hydrant for the road. In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on Knollwood Court need to be reviewed. A water main exploratory excavation needs to be completed on the road to determine the type of fittings and if they need to be replaced.

Other improvements to Knollwood Court include installing new pavements markings.

Proposed improvements to Knollwood Court are shown on the typical section pages.

Fairfax Road

In 2022, Fairfax Road was rated a 7 on the PACER scale. This means that the road is beginning to show signs of aging and needs maintenance. Fairfax Road has areas of bituminous that are stripping at approximately 1 to 1 ½" in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Fairfax Road will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Fairfax Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Fairfax Road include replacing signage and installing new pavements markings.

Proposed improvements to Fairfax Road are shown on the typical section pages.

Fairfax Court

In 2022, Fairfax Court was rated a 7 on the PACER scale. This means that the road is beginning to show signs of aging and needs maintenance. Fairfax Court has areas of bituminous that are stripping at approximately ½" in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Fairfax Court will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Fairfax Court include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Fairfax Court include replacing signage and installing new pavements markings.

Proposed improvements to Fairfax Court are shown on the typical section pages.

Cottage Grove Drive

In 2022, Cottage Grove Drive was rated a range of 7 to 8 on the PACER scale. This means that the road is beginning to show signs of cracking and may need maintenance. Cottage Grove Drive has areas of bituminous that are stripping at approximately ½" in depth leading to the need for maintenance earlier to this road. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Cottage Grove Drive will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Cottage Grove Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Cottage Grove Drive include replacing signage and installing new pavements markings.

Proposed improvements to Cottage Grove Drive are shown on the typical section pages.

Northwoods Drive

In 2022, Northwoods Drive was rated a 7 on the PACER scale. This means that the road is beginning to show signs of aging and needs maintenance. Northwoods Drive has areas of bituminous that are stripping at approximately ½" in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Northwoods Drive will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Northwoods Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Northwoods Drive include replacing signage and installing new pavements markings.

Proposed improvements to Northwoods Drive are shown on the typical section pages.

Camden Road

In 2022, Camden Road was rated a 7 on the PACER scale. This means that the road is beginning to show signs of aging and needs maintenance. Camden Road has areas of bituminous that are stripping at approximately ½" in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Camden Road will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Camden Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Camden Road include replacing signage and installing new pavements markings.

Proposed improvements to Camden Road are shown on the typical section pages.

Kenwood Drive

In 2022, Kenwood Drive was rated a range of 6 to 7 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Kenwood Drive has areas of bituminous that are stripping at approximately ½" in depth. When the upper surface layer (1"-2") of the pavement begins to deteriorate, the Mill and Overlay process is recommended to remove the stripping so it does not continue through the remaining bituminous.

The benefits of the Mill and Overlay process include the reduction of aging, transverse and longitudinal cracking and stripping at the surface. This allows for an extension of pavement life, typically 10-15 years with proper maintenance. The Mill and Overlay process consists of milling the pavement to a uniform depth, depending on the extent of the surface distresses. This creates an even surface that new pavement is overlayed on to assure a consistent thickness.

Kenwood Drive will be improved utilizing the Mill and Overlay process. The top 2" of bituminous will be milled in order to remove the cracking and stripping appearing on this road and 2" of new bituminous will be overlayed on top of the even surface.

Sanitary sewer improvements along Kenwood Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on Kenwood Drive need to be reviewed. A water main exploratory excavation needs to be completed on this road to determine the type of fittings and if they need to be replaced.

Other improvements to Kenwood Drive include replacing the signage and installing new pavements markings.

Proposed improvements to Kenwood Drive are shown on the typical section pages.

Residential Full Depth Reclamation

Interlacken Road

In 2022, Interlacken Road was rated a 5 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Interlacken Road has areas of bituminous that are stripping at approximately 1" in depth. Interlacken Road is proposed to be reconstructed utilizing full depth reclamation (FDR).

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, and reduced maintenance costs. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 7" of the pavement and base section will be completed. After FDR is complete, 2" of material will be removed leaving a 5" reclaimed based. The reclaimed base will be compacted and 3.5" bituminous will be constructed in two separate lifts.

Sanitary sewer improvements along Interlacken Road include removal and replacement of the sanitary sewer manhole lid, castings, and rings.

Watermain improvements include restoration of the fire hydrant on the west end of the road, as it is the original hydrant for the road. In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on Interlacken Road need to be reviewed. A water main exploratory excavation needs to be completed on the road to determine the type of fittings and if they need to be replaced.

The trail that runs along Interlacken Road is a 10' extension of the road. This trail will be included in the FDR process and restriped to assure pedestrian safety.

Other improvements to Interlacken Road include replacing existing driveways to the ROW line, installing new pavements markings, road signs, and removal and replacement of mailbox supports.

Proposed improvements to Interlacken Road are shown on the typical section pages.

Fairmont Court

In 2022, Fairmont Court was rated a 5 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Fairmont Court has areas of bituminous that are stripping at approximately 1" in depth. Fairmont Court is proposed to be reconstructed utilizing full depth reclamation (FDR).

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, and reduced maintenance costs. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. After FDR is complete, 3.5" of material will be removed leaving a 5" reclaimed based. The reclaimed base will be compacted and 3.5" bituminous will be constructed in two separate lifts.

Sanitary sewer improvements along Fairmont Court include removal and replacement of the sanitary sewer manhole lid, castings, and rings.

Other improvements to Fairmont Court include replacing existing driveways to the ROW line, installing new pavements markings, road signs, and removal and replacement of mailbox supports.

Proposed improvements to Fairmont Court are shown on the typical section pages.

Edmonton Road

In 2022, Edmonton Road was rated a 5 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Edmonton Road has areas of bituminous that are stripping at approximately 1" in depth. Edmonton Road is proposed to be reconstructed utilizing full depth reclamation (FDR).

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, and reduced maintenance costs. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 7" of the pavement and base section will be completed. After FDR is complete, 2" of material will be removed leaving a 5" reclaimed based. The reclaimed base will be compacted and 3.5" bituminous will be constructed in two separate lifts.

Sanitary sewer improvements along Edmonton Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Edmonton Road include replacing existing driveways to the ROW line, installing new pavements markings, road signs, and removal and replacement of mailbox supports.

Proposed improvements to Edmonton Road are shown on the typical section pages.

Donald Street

In 2022, Donald Street was rated a 6 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Donald Street has areas of bituminous that are stripping at approximately 1" in depth and major potholes. Patching on this road is deteriorating. Donald Street is proposed to be reconstructed utilizing full depth reclamation (FDR).

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, and reduced maintenance costs. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 6" of the pavement and base section will be completed. After FDR is complete, the reclaimed base will be compacted and 3.5" bituminous will be constructed in two separate lifts. The roadway corridor has drainage issues. Once a survey is completed. additional aggregate may be used to raise the elevation of the roadway. Ditching along the corridor may also be required to resolve the drainage issues.

In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on Donald Street need to be reviewed. A water main exploratory excavation needs to be completed on the road to determine the type of fittings and if they need to be replaced.

Sanitary sewer improvements along Donald Street include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Donald Street include replacing existing driveways to the ROW line, installing new pavements markings, road signs, and removal and replacement of mailbox supports.

Proposed improvements to Donald Street are shown on the typical section pages.

Parkwood Drive

In 2022, Parkwood Drive was rated a 4 on the PACER scale. This means that the road is showing an extreme loss of aggregate, longitudinal cracking in the wheel path and heavy block cracking. This road needs structural improvements by maintenance. Parkwood Drive has areas of bituminous that are stripping at approximately 1" in depth, numerous potholes and patched areas. Patching on this road is deteriorating. Donald Street is proposed to be reconstructed utilizing full depth reclamation (FDR).

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, and reduced maintenance

costs. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 7" of the pavement and base section will be completed. After FDR is complete, 2" of material will be removed leaving a 5" reclaimed based. The reclaimed base will be compacted and 3.5" bituminous will be constructed in two separate lifts.

Sanitary sewer improvements along Parkwood Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on this section of Parkwood Drive need to be reviewed. A water main exploratory excavation needs to be completed on this road to determine the type of fittings and if they need to be replaced.

Other improvements to Parkwood Drive include replacing signage and installing new pavements markings.

Proposed improvements to Parkwood Drive are shown on the typical section pages.

Knollwood Drive

In 2022, Knollwood Drive was rated a range of 4 to 6 on the PACER scale. This means that the road is showing an extreme loss of aggregate, longitudinal cracking in the wheel path and heavy block cracking. This road needs structural improvements by maintenance. Knollwood Drive has areas of bituminous that are stripping at approximately 1" in depth, numerous potholes, and patched areas. The road also has areas of pavement that are lower than the rest of the road. This section of Knollwood Drive is proposed to be reconstructed utilizing full depth reclamation (FDR).

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, and reduced maintenance costs. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed in two passes. After FDR is complete, 3.5" of material will be removed leaving a 5" reclaimed based. The reclaimed base will be compacted and 3.5" bituminous will be constructed in two separate lifts. The road elevation may be slightly adjusted to allow for a more even travel surface.

Sanitary sewer improvements along Knollwood Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

In 2019 the Watermain Fitting Review Report was completed and acknowledged that the watermain fittings on Knollwood Drive need to be reviewed. A water main exploratory excavation needs to be completed on this road to determine the type of fittings and if they need to be replaced.

2023-10353

Other improvements to Knollwood Drive include replacing existing driveways to the ROW line, installing new pavements markings, road signs, and removal and replacement of mailbox supports.

Proposed improvements to Knollwood Drive are shown on the typical section pages.

Glory Road

In 2022, Glory Road was rated a 3 on the PACER scale. This means that the road is in poor condition and requires structural improvements. Alligator cracking is significant, and patching is deteriorating. This section of Glory Road is proposed to be reconstructed utilizing full depth reclamation (FDR).

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, and reduced maintenance costs. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. After FDR is complete, 3.5" of material will be removed leaving a 5" reclaimed based. The reclaimed base will be compacted and 3.5" bituminous will be constructed in two separate lifts. Sanitary sewer improvements along Glory Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Other improvements to Glory Road include replacing existing driveways to the ROW line, installing new pavements markings and removal and replacement of mailbox supports.

Proposed improvements to Glory Road are shown on the typical section pages.

Commercial Full Depth Reclamation

Elmwood Drive

In 2022, Elmwood Drive was rated a 6 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Elmwood Drive has areas of bituminous that are stripping at approximately 1 ½"-2" in depth, deteriorating patching from construction entrances, curb issues and does not meet current City 10-ton design standards. The City of Baxter has determined that commercial and industrial roadways should meet 10-ton design requirements to better handle heavy commercial traffic commonly associated with commercial and industrial development and provide long-term benefit to area property owners. This road is proposed to be reconstructed utilizing full depth reclamation (FDR) and curb replacement.

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, reduced maintenance costs and a 10-ton design strength roadway, meeting City requirements. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. The FDR material will need to be removed and 3.5" of subgrade material will be removed. This is done to maintain the current elevation of the roadway. Once the subgrade elevation is established, 6" of reclaim material will be placed and compacted. The bituminous will be placed 6" in depth and will be constructed in three separate lifts.

100% curb & gutter and concrete pavement/valley gutter replacement is proposed. Analysis indicates that when more than 50% of the curb & gutter requires replacement it is more economical to remove and replace all curb & gutter vs. selective removal and replacement.

Sanitary sewer improvements along Elmwood Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Storm sewer improvements along Elmwood Drive include removal and replacement of the storm castings and curb boxes.

Other improvements to Elmwood Drive include replacing existing driveways to the ROW line, replacing signage, installing new pavements markings and removal and replacement of mailbox supports.

Proposed improvements to Elmwood Drive are shown on the typical section pages.

Forthun Road East Section

In 2022, this section of Forthun Road, east of the roundabout was rated a 4 on the PACER scale. This means that the road is showing an extreme loss of aggregate, longitudinal cracking in the wheel path and heavy block cracking. This road needs structural improvements by maintenance. Forthun Road has areas of bituminous that are stripping at approximately ½" in depth, numerous potholes and patched areas, curb and trail that needs repair and pedestrian ramps that need to be updated. This road does not meet current City 10-ton design standards. The City of Baxter has determined that commercial and industrial roadways should meet 10-ton design requirements to better handle heavy commercial traffic commonly associated with commercial and industrial development and provide long-term benefit to area property owners. This road is proposed to be reconstructed utilizing full depth reclamation (FDR) and curb replacement.

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, reduced maintenance costs and a 10-ton design strength roadway, meeting City requirements. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. The FDR material will need to be removed and 3.5" of subgrade material will be removed. This is done to maintain the current elevation of the roadway. Once the subgrade elevation is established, 6" of reclaim material will be placed and compacted. The bituminous will be placed 6" in depth and will be constructed in three separate lifts.

100% curb & gutter and concrete pavement/valley gutter replacement is proposed. Analysis indicates that when more than 50% of the curb & gutter requires replacement it is more economical to remove and replace all curb & gutter vs. selective removal and replacement.

Sanitary sewer improvements along this section of Forthun Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Storm sewer improvements along this section of Forthun Road include removal and replacement of the storm castings and curb boxes.

The bituminous trail is showing signs of failure and is nearing the end of its useful life. The pedestrian curb ramps are not ADA compliant. Reconstruction of the trail and pedestrian ramps is proposed. The trail will be updated by removing the 2" of bituminous. 1" of class will be added to the 4" of existing based. 3" of new bituminous will be placed on top of the base. New concrete pedestrian curb ramps will be constructed, and truncated domes installed at all City-street crossings. Truncated domes are not proposed at private driveway crossings per ADA requirements. The reconstruction of ADA compliant pedestrian curb ramps will improve traffic safety at these intersections.

Other improvements to Forthun Road include replacing existing driveways to the ROW line, replacing signage, installing new pavements markings and removal and replacement of mailbox supports.

Proposed improvements to Forthun Road are shown on the typical section pages.

Forthun Road West Section

In 2022, the section of Forthun Road west of the roundabout, was rated a 3 on the PACER scale. This means that the road is in poor condition and requires structural improvements. Forthun Road has areas of bituminous that are stripping at approximately ½" in depth, patching that is deteriorating, curb damage and drainage issues. This road does not meet current City 10-ton design standards. The City of Baxter has determined that commercial and industrial roadways should meet 10-ton design requirements to better handle heavy commercial traffic commonly associated with commercial and industrial development and provide long-term benefit to area property owners. This section of Forthun Road is proposed to be reconstructed utilizing full depth reclamation (FDR) and curb replacement.

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, reduced maintenance costs and a 10-ton design strength roadway, meeting City requirements. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 6.5" of the pavement and base section will be completed. The FDR material will need to be removed and 5.5" of subgrade material will be removed. This is done to maintain the current elevation of the roadway. Once the subgrade elevation is established, 6" of reclaim material will be placed and compacted. The bituminous will be placed 6" in depth and will be constructed in three separate lifts.

100% curb & gutter and concrete pavement/valley gutter replacement is proposed. Analysis indicates that when more than 50% of the curb & gutter requires replacement it is more economical to remove and replace all curb & gutter vs. selective removal and replacement.

Sanitary sewer improvements along this section of Forthun Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Storm sewer improvements along this section of Forthun Road include removal and replacement of the storm castings and curb boxes.

Other improvements to Forthun Road include replacing existing driveways to the ROW line, replacing signage, installing new pavements markings and removal and replacement of mailbox supports.

Proposed improvements to Forthun Road are shown on the typical section pages.

Edgewood Drive

In 2022, this section of Edgewood Drive was rated a range of 5 to 6 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Edgewood Drive has areas of bituminous that are stripping at approximately ½" in depth, significant potholes and breaking along the driveways. This road does not meet current City 10-ton design standards. The City of Baxter has determined that commercial and industrial roadways should meet 10-ton design requirements to better handle heavy commercial traffic commonly associated with commercial and industrial development and provide long-term benefit to area property owners. This section of Edgewood Drive is proposed to be reconstructed utilizing full depth reclamation (FDR) and curb replacement.

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, reduced maintenance costs and a 10-ton design strength roadway, meeting City requirements. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. The FDR material will need to be removed and 3.5" of subgrade material will be removed. This is done to maintain the current elevation of the roadway. Once the subgrade elevation is established, 6" of reclaim material will be placed and compacted. The bituminous will be placed 6" in depth and will be constructed in three separate lifts.

100% curb & gutter and concrete pavement/valley gutter replacement is proposed. Analysis indicates that when more than 50% of the curb & gutter requires replacement it is more economical to remove and replace all curb & gutter vs. selective removal and replacement.

Sanitary sewer improvements along this section of Edgewood Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Storm sewer improvements along this section of Edgewood Drive include removal and replacement of the storm castings and curb boxes.

Other improvements to Edgewood Drive include replacing existing driveways to the ROW line, replacing signage, installing new pavements markings and removal and replacement of mailbox supports.

Proposed improvements to Edgewood Drive are shown on the typical section pages.

Novotny Road

In 2022, this section of Novotny Road was rated a 6 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Novotny Road has areas of bituminous that are stripping at approximately ½" in depth and does not meet current City 10-ton design standards. The City of Baxter has determined that commercial and industrial roadways should meet 10-ton design requirements to better handle heavy commercial traffic commonly associated with commercial and industrial development and provide long-term benefit to area property owners. This road is proposed to be reconstructed utilizing full depth reclamation (FDR) and curb replacement.

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, reduced maintenance costs and a 10-ton design strength roadway, meeting City requirements. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. The FDR material will need to be removed and 3.5" of subgrade material will be removed. This is done to maintain the current elevation of the roadway. Once the subgrade elevation is established, 6" of reclaim material will be placed and compacted. The bituminous will be placed 6" in depth and will be constructed in three separate lifts.

100% curb & gutter and concrete pavement/valley gutter replacement is proposed. Analysis indicates that when more than 50% of the curb & gutter requires replacement it is more economical to remove and replace all curb & gutter vs. selective removal and replacement. The median will remain in place.

Sanitary sewer improvements along this section of Novotny Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Storm sewer improvements along this section of Novotny Road include removal and replacement of the storm manhole lids, castings and curb boxes.

Other improvements to Novotny Road include replacing signage and installing new pavements markings.

Proposed improvements to Novotny Road are shown on the typical section pages.

Whispering Woods Lane

In 2022, this section of Whispering Woods Lane was rated a 7 on the PACER scale. This means that the road is beginning to show signs of aging and needs maintenance. Whispering

Woods Lane has areas of bituminous that are stripping at approximately ½" in depth, numerous potholes and does not meet current City 10-ton design standards. The City of Baxter has determined that commercial and industrial roadways should meet 10-ton design requirements to better handle heavy commercial traffic commonly associated with commercial and industrial development and provide long-term benefit to area property owners. This road is proposed to be reconstructed utilizing full depth reclamation (FDR) and curb replacement.

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, reduced maintenance costs and a 10-ton design strength roadway, meeting City requirements. FDR uses a self-propelled pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. The FDR material will need to be removed and 3.5" of subgrade material will be removed. This is done to maintain the current elevation of the roadway. Once the subgrade elevation is established, 6" of reclaim material will be placed and compacted. The bituminous will be placed 6" in depth and will be constructed in three separate lifts.

100% curb & gutter and concrete pavement/valley gutter replacement is proposed. Analysis indicates that when more than 50% of the curb & gutter requires replacement it is more economical to remove and replace all curb & gutter vs. selective removal and replacement.

Sanitary sewer improvements along this section of Whispering Woods Lane include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Storm sewer improvements along this section of Whispering Woods Lane include removal and replacement of the storm castings and curb boxes.

Other improvements to Whispering Woods Lane include replacing existing driveways to the ROW line, replacing signage, installing new pavements markings and removal and replacement of mailbox supports.

Proposed improvements to Whispering Woods Lane are shown on the typical section pages.

Dellwood Drive

In 2022, this section of Dellwood Drive was rated a 6 on the PACER scale. This means that the road needs rehabilitation. Stripping is moderate to severe; block cracking is appearing, and longitudinal cracks are beginning to form near the edges. Dellwood Drive has areas of bituminous that are stripping at approximately ½" in depth, cracking in the cement is forming and the road does not meet current City 10-ton design standards. The City of Baxter has determined that commercial and industrial roadways should meet 10-ton design requirements to better handle heavy commercial traffic commonly associated with commercial and industrial development and provide long-term benefit to area property owners. This road is proposed to be reconstructed utilizing full depth reclamation (FDR) and curb replacement.

The benefits of the FDR process include the reduction of reflective cracking, longer pavement life (typically 20 years with proper maintenance), improved ride, reduced maintenance costs and a 10-ton design strength roadway, meeting City requirements. FDR uses a self-propelled

pulverizing machine to grind the entire pavement section and a portion of the underlying gravel base material in place. This process destroys all existing pavement cracks and homogenizes the material into a usable aggregate base platform on which to pave a new bituminous surface.

FDR of the top 8.5" of the pavement and base section will be completed. The FDR material will need to be removed and 3.5" of subgrade material will be removed. This is done to maintain the current elevation of the roadway. Once the subgrade elevation is established, 6" of reclaim material will be placed and compacted. The bituminous will be placed 6" in depth and will be constructed in three separate lifts.

100% curb & gutter and concrete pavement/valley gutter replacement is proposed. Analysis indicates that when more than 50% of the curb & gutter requires replacement it is more economical to remove and replace all curb & gutter vs. selective removal and replacement. Sanitary sewer improvements along this section of Dellwood Drive include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Storm sewer improvements along this section of Dellwood Drive include removal and replacement of the storm manhole lids, castings and curb boxes.

Other improvements to Dellwood Drive include replacing existing driveways to the ROW line, replacing signage, installing new pavements markings and removal and replacement of mailbox supports. A turn lane is proposed to be added at the intersection for the Menards entrance. This is shown in the proposed typical section.

Proposed improvements to Dellwood Drive are shown on the typical section pages.

Other Improvements

Garrison Road Garrison Road Trail and City Utility Improvements

In 2023, Garrison Road was updated through the Copeland Mill & Overlay Project. This is a private road, and the city does not include it in the rehabilitation plan. However, the city had WiDSETH complete a pre- and post-construction evaluation of the road. This evaluation found that the PED ramps are in need of updating to be ADA compliant, the sanitary and storm sewer system utilities also require updating.

Sanitary sewer improvements were also noted in this pre and post construction evaluation. Improvements along Garrison Road include removal and replacement of the sanitary sewer manhole lids, castings, and rings.

Sanitary sewer improvements were also noted in this pre and post construction evaluation. Storm sewer improvements along Garrison Road include removal and replacement of the storm castings and curb boxes.

Other improvements to Garrison Road include updating the trail and pedestrian ramps to be ADA compliant.

Elder Drive Trail Improvements

The approximate 2100' of trail and PED ramps are proposed to be reconstructed to bring this section in to ADA compliance. The trail and PED ramps are proposed to be remove and replaced along with curb and gutter replacement. The trail has a proposed typical section of 3" of bituminous and 5" of aggregate base.

Do Nothing Option

The do-nothing option was considered as an option to all proposed improvements. Doing nothing does not promote preserving the existing roadway network via pavement management and does not prepare for future long-term transportation plans being considered by the City.

ESTIMATED PROJECT COSTS

Mill & Overlay (Residential)

Sanitary Sewer: Watermain:

City Trail

Subtotal:

Estimated project costs for the proposed improvements are summarized below:

Assessable Roadway:	\$903,813
Sanitary Sewer:	\$108,040
Watermain:	\$125,945
City Trail	\$2,066
Subtotal:	\$1,139,864
Full Depth Reclamation (Residential)	
Assessable Roadway:	\$1,251,049

Full Depth Recl	amation	(Commercial)

Bopan regardation (Commercial)	
Assessable Roadway:	\$1,968,235
City Roadway:	\$188,240
Storm Sewer:	\$323,517
Sanitary Sewer:	\$106,477
Watermain:	\$43,764
City Trail	\$43 <u>,276</u>
Subtotal:	\$2,673,509

Other Improvements

Storm Sewer:	\$27,197
Sanitary Sewer:	\$10,315
Watermain:	\$3,306
City Trail	<u>\$293,282</u>
Subtotal:	\$334,100

ESTIMATED TOTAL PROJECT COST:

\$5,663,902

\$86.834

\$144,909

\$1,516,429

\$33,637

The costs estimated herein are intended to convey a general and approximate picture of the costs that would probably be incurred today in carrying out the proposed work. Costs can vary widely depending upon many factors such as weather, economic conditions, size of project, and the workload of available contractors. Actual costs can only be determined by bidding the project. Detailed breakdowns of the estimates are provided in the Appendix. Costs estimated above include estimated construction costs, 15% contingencies, and soft costs including engineering, administration, financing, and legal fees.

The costs are calculated in 2023 dollars and need to be updated in the future based on the current economic conditions at the time the project is being considered.

The Engineer's Estimate is located in Appendix C.

PROJECT IMPLEMENTATION

Funding for improvements would be obtained from assessments to benefitted property owners and contributions from the City of Baxter. The estimated assessments included in this Report were calculated in accordance with City policy utilizing the Unit Assessment Method and Front Footage Assessment Method. A detailed description of the assessment methods utilized by the City of Baxter can be found in the most recent version of the "City of Baxter – Assessment Policy for Public Initiated Improvements."

Based on the improvement type, project costs have been split into various project areas for the purposes of assessment and city cost calculation. Utilizing the previously mentioned methodologies, the following project allocations were determined.

Mill & Overlay (Residential)

In accordance with City policy, 100% of Mill & Overlay improvement costs, up to 26' in width in "residential" areas, are assessed to the adjacent benefitting properties. Zoning districts included in this "residential" assessment category include RR, RS, R-1, R-1A, R-2, and R3. In accordance with past practice, the Unit Assessment Method was selected. The unit assessment was calculated by dividing the total project cost by the number of Equivalent Residential Unit (ERU) units in the project area.

Costs for the Sanitary Sewer, Watermain and Trail improvements are assumed to be paid by the City and not assessed.

Based on the above methodology and assumptions, the following were determined:

Total Estimated Project Costs:	\$1,139,864
City Sanitary Sewer (manhole lids, castings, and rings):	\$108,040
City Watermain (exploratory excavation and hydrant restoration):	\$125,945
City Trail:	<u>\$2,066</u>
Total Remaining Assessable Costs:	\$903,813
Total Equivalent Residential Units:	174
Estimated Cost per Unit:	\$5,206

In accordance with City policy, assessments for mill and overlay projects are collected over a 7-year term. The interest rate would be set at 1.5% above the True Interest Cost rate on the bond issue. Interest would also be added based on the number of days between when the assessment is adopted by the Council and the end of the calendar year in which the assessment is levied.

Full Depth Reclamation (Residential)

In accordance with City policy, 100% of full depth reclamation improvement costs, up to 26' in width, in "residential" areas, are assessed to the adjacent benefitting properties. Zoning districts included in this "residential" assessment category include RR, RS, R-1, R-1A, R-2, and R3. In accordance with past practice, the Unit Assessment Method was selected. The unit assessment was calculated by dividing the total project cost by the number of Equivalent Residential Unit (ERU) units in the project area.

Costs for Storm Sewer, Sanitary Sewer, Watermain and Trail improvements are assumed to be paid by the City and not assessed.

Based on the above methodology and assumptions, the following were determined:

<u>Total Estimated Project Costs:</u>	\$1,516,429
City Sanitary Sewer (manhole lids, castings, and rings):	\$86,834
City Watermain (exploratory excavation and hydrant restoration):	\$144,909
City Trail:	<u>\$33,637</u>
Total Remaining Assessable Costs:	\$1,251,049
Total Equivalent Residential Units:	91
Estimated Cost per Unit:	\$13,748
ERU Adjustment (20%):	\$2,750
Final Estimated Cost per Unit	\$10,998

The City Council has received many comments from residents concerned with the increasing assessment costs for Full Depth Reclamation Projects. Not only are the assessment costs increasing, select roads are failing faster than anticipated. These select roads were chip sealed between the years 2014 to 2017. In 2013, the City did not intend to complete FDR projects in residential areas until the roads were approximately 35-40 years old and depending on traffic loading. Due to the stripping issue caused by the chip sealing these roads, FDR is required approximately 33% sooner than expected. This life span is based on the roads being mill & overlayed at 20-25 years of age. M&O typically extends the life of the road by approximately another 10-15 years. By reviewing the data above in two memos written to Council and open discussion in Council Work Sessions, the City has elected to give a 20% adjustment on the residential roads that have been chip sealed and are required to complete an FDR project to remove the stripping.

In accordance with City policy, assessments for full depth reclamation projects are collected over a 12-year term. The interest rate would be set at 1.5% above the True Interest Cost rate on the bond issue. Interest would also be added based on the number of days between when the assessment is adopted by the Council and the end of the calendar year in which the assessment is certified.

Full Depth Reclamation (Commercial)

In accordance with City policy, 100% of full depth reclamation improvement costs, up to 44' in width, in "commercial" areas, are assessed to the adjacent benefitting properties. Zoning districts included in this "commercial" assessment category include R-2, R-3, OS, C1, C2 and I. In accordance with past practice, the front footage assessment method was selected. Assessments are calculated by dividing the total assessable project cost by the total assessable frontage. The assessable frontage is based on the length as calculated at the building set back line which is 35' in commercial zoning districts.

Costs for roadway improvements in excess of 44' are considered to be City costs.

Costs for Storm Sewer, Sanitary Sewer, Watermain and Trail improvements are assumed to be paid by the City and not assessed.

Based on the above methodology and assumptions, the following were determined:

Total Estimated Project Costs:	\$2,673,509
City Roadway:	\$188,240
City Sanitary Sewer (manhole lids, castings, and rings):	\$7,334
City Storm Sewer (castings):	\$36,423
City Watermain (exploratory excavation and hydrant restoration):	\$6,160
City Trail:	<u>\$43,276</u>
Total Assessable Costs:	\$2,392,076

Total Estimated Frontage:	12,555
Estimated Cost per Foot:	\$190.53
City Costs:	\$1,237,311
Total Remaining Assessable Costs:	\$1,154,765
Total Assessable Area (SF):	4,137,708
Per Square Foot Assessment:	\$0.2791

In accordance with City policy, assessments for full depth reclamation projects are collected over a 12-year term. The interest rate would be set at 1.5% above the True Interest Cost rate on the bond issue. Interest would also be added based on the number of days between when the assessment is adopted by the Council and the end of the calendar year in which the assessment is certified.

Detailed assessment rate calculations and estimated individual assessments are included in Appendix C.

Other Improvements

In accordance with City policy, the breakdown of other associated costs is as follows.

OTHER COMMERCIAL AREA IMPROVEMENTS	
BAXTER PS LLC ASSESSABLE STORM SEWER:	\$27,197
BAXTER PS LLC ASSESSABLE SANITARY SEWER (50%):	\$5,158
AGREE LIMITED PARTNERSHIP ASSESSABLE SANITARY SEWER (50%):	\$5,158
BAXTER PS LLC ASSESSABLE WATER (50%):	\$1,653
AGREE LIMITED PARTNERSHIP ASSESSABLE WATER (50%):	\$1,653
CITY TRAIL:	\$293,282
TOTAL	\$334,100

CONCLUSIONS AND RECOMMENDATIONS

This Report has studied the feasibility of roadway improvements and other related work for the following roadway segments:

Roadways and projects reviewed in this Report include:

Residential Mill & Overlay:

- Jepson Road in its entirety.
- Kingwood Drive in its entirety.
- · Knollwood Court in its entirety.
- Fairfax Road in its entirety.
- Fairfax Court in its entirety.
- Cottage Grove Drive in its entirety.
- Northwoods Drive in its entirety.
- · Camden Road in its entirety.
- Kenwood Drive (Fairview Road to 1,590' north of Fairview Road)

Residential Full Depth Reclamation:

- Interlacken Road in its entirety.
- Fairmont Court in its entirety.
- Edmonton Road in its entirety.
- Donald Street in its entirety.
- Parkwood Drive (Mountain Ash Drive to Kingwood Drive)
- Knollwood Drive (Fairview Road to Donald Street)
- Glory Road (1,600' west of Isle Drive to 1,125' west of Isle Drive)

Commercial Full Depth Reclamation:

- Elmwood Drive in its entirety.
- Forthun Road (Elder Dr to Elmwood Drive)
- Forthun Road (570' west of roundabout to 386' west of roundabout)
- Edgewood Drive (530' north of Woida Road to Novotny Road)
- Novotny Road (300' west of TH 371 to TH 371)
- Whispering Woods Lane (Dellwood Drive to Pearl Drive)
- Dellwood Drive (430' north of Woida Road to Whispering Woods Lane)

Other Improvements

- Garrison Road Trail and City Utility Improvements
- Elder Drive Trail Improvements

The total cost of all improvements is estimated at \$5,663,902.

Residential Area – Mill & Overlay

The mill & overlay residential area includes the mentioned roads. In accordance with the 2021 Pavement Management Plan, Mill & Overlay is the recommended pavement maintenance technique. Other improvements include manhole and casting replacements, watermain exploratory excavation, and hydrant restoration.

Assessments were calculated using the Unit Assessment Method and are estimated to be \$5,206 per ERU.

The Mill & Overlay cost summary is as follows:

Total Estimated Project Cost:	<u>\$1,139,864</u>
City Costs:	\$236,051
Assessable Project Costs:	\$903,813
Benefiting Property Assessments:	\$881,218
City Property Assessments:	\$22,595
Total Estimated City Cost (City Costs + Assessments):	\$258,646

Residential Area - Full Depth Reclamation

The residential FDR area includes the mentioned roads. In accordance with the 2021 Pavement Management Plan, FDR is the recommended reconstruction technique. Other improvements include manhole and casting replacements and watermain exploratory excavation.

Assessments were calculated using the Unit Assessment Method with a 20% discount and are estimated to be \$10,998 per ERU.

The residential FDR cost summary is as follows:

Total Estimated Project Cost:	<u>\$1,516,429</u>
City Costs:	\$265,380
Assessable Project Costs:	\$1,251,049
Benefiting Property Assessments:	\$932,100
City Property Assessments:	\$68,739
City Provided 20% Adjustment:	\$250,209
Total Estimated City Cost (City Costs + Assessments):	\$584,328

Commercial Area - Full Depth Reclamation

The commercial FDR area includes the mentioned roads. In accordance with the 2021 Pavement Management Plan, FDR is the recommended reconstruction technique. Other improvements include manhole and casting replacements, trail, and crossings renovations to be ADA compliant, and replacement of curb and gutter.

Assessments were calculated using the Frontage Assessment Method and are estimated to be \$190.53 per foot and converting that into a square foot cost per assessable lot estimated to be \$0.2791 per square foot.

.

The FDR cost summary is as follows:

Total Estimated Project Cost:	\$2,673,509
City Costs:	\$281,433
Assessable Project Costs:	\$2,392,076
Benefiting Property Assessments:	\$1,154,765
City Frontage Contributions:	\$955,878
Total Estimated City Cost (City Costs + Assessments):	\$1,237,311

Other Improvements

Total Estimated City Cost:	\$334,100
i otai Estiiliatea Oity Oost.	ΨΟΟ Τ , 1ΟΟ

Total Project Area Cost Summary

Estimated Total	Project Cost:	\$5,663,902

Estimated Assessable Project Costs

Benefitting Property Assessments:	\$3,359,075 59%
City of Baxter Frontage Contribution:	\$1.228.684

City Cost Summary

City Roadway:	\$188,240	
Trail:	\$372,261	
Storm Sewer:	\$36,423	
Sanitary Sewer:	\$202,207	
Water:	\$277,013	
City Assessment:	\$1,228,683	
Total Estimated City Cost:	\$2,304,827 419	%

In conclusion, we believe the proposed improvements are feasible and we do not foresee any major problems other than normal inconveniences associated with construction such as noise, and traffic disturbance. These situations would be temporary in nature, and we would anticipate the construction would last approximately 3 months depending on the contractor, weather, and other factors.

We recommend the City proceed as follows:

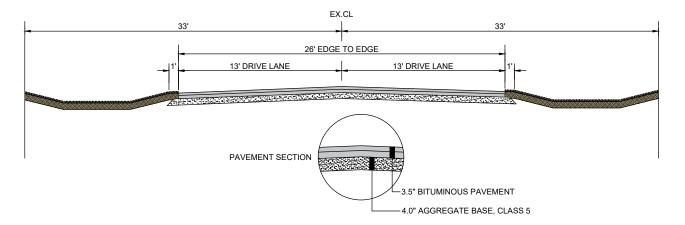
- 1. Utilities Commission review of feasibility report, plans, and specifications.
- 2. City Council review and approval of feasibility report and plans and specifications.
- 3. Advertise the project for public bidding.
- 4. Hold Improvement Hearing.
- 5. Review bids and update project costs and assessments.
- 6. Prepare final costs and assessments and schedule the Assessment Hearing.
- 7. Conduct Assessment Hearing and adopt assessment roles.
- 8. Award the construction contract.
- 9. Construction of the project.

APPENDICES

- Appendix A
 - o Existing Typical Section Sheets
- Appendix B
 - o Proposed Typical Section Sheets
- Appendix C
 - o Engineers Estimate and Assessment Calculations
- Appendix D
 - o Project Schedule
- Appendix E
 - o Reevaluated Roads

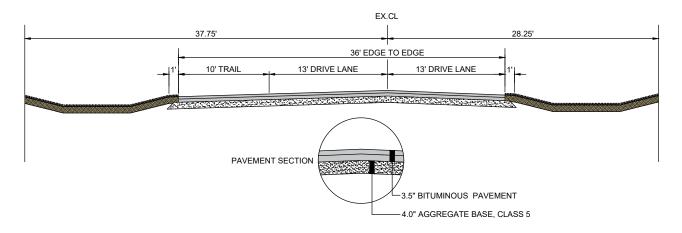
Appendix A

Existing Typical Section Sheets



EXISTING TYPICAL SECTION

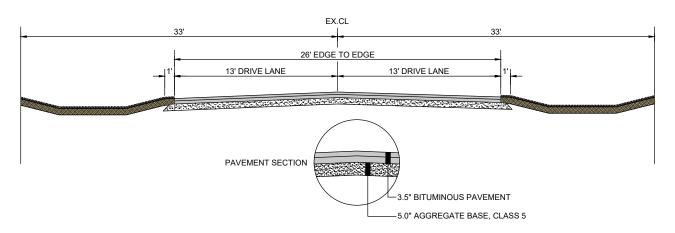
JEPSON ROAD, KINGWOOD DRIVE, KNOLLWOOD COURT,



EXISTING TYPICAL SECTION

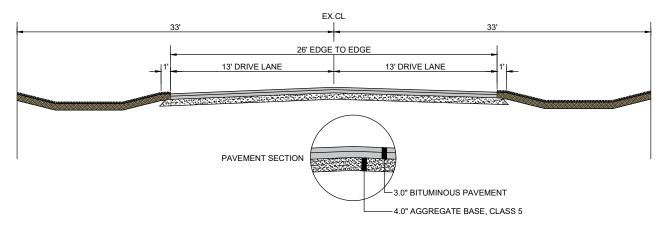
INTERLACKEN ROAD

	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	DATE	REV# REV	VISIONS DESCRIPTION	SCALE: AS SHOWN DRAWN BY: TJS	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION CITY OF BAXTER BAXTER, MN	TH NOLTING & ASSOCIATES, INC. SHEET NO.
ARCHITECTS - ENGINEERS - SCIENTISTS - SURVEYORS	ALEX D. BITTER DATE: LIC. NO.57744				JOB NUMBER: 2023-10353	TYPICAL SECTIONS	SHEET 1 OF 5



EXISTING TYPICAL SECTION

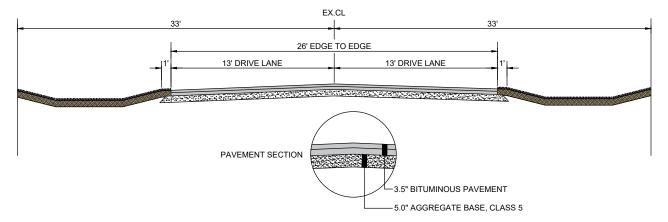
FAIRFAX ROAD, FAIRFAX COURT, FAIRMONT COURT, KENWOOD DRIVE, KNOLLWOOD DRIVE



EXISTING TYPICAL SECTION

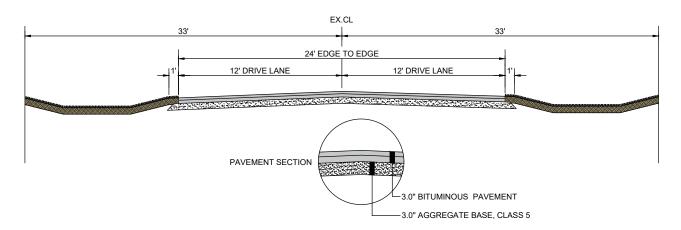
EDMONTON ROAD, COTTAGE GROVE DRIVE, NORTHWOODS DRIVE, CAMDEN ROAD, PARKWOOD DRIVE

			_					*City of Baxter-32222/0023-103531CADDICtvlFexibility Study/Typical Sections.dug Plotted by Avery Multipliand 8/28/2023 9:51:12 AM © 2023 WIDSETH SM	ITH NOLTING & ASSOCIATES, INC.
	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR LINDER MY	DATE	REV#	REVISIONS DESCRIPTION	BY	DATE:	JUNE, 2023	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION	SHEET NO.
	DIRECT SUPERVISION AND THAT I AM A DULY					SCALE:	AS SHOWN		_
	LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		\vdash		_	DRAWN BY:	TIC	CITY OF BAXTER	2
	LAWS OF THE STATE OF MINNESOTA.						135	BAXTER, MN	
						CHECKED BY:	ADB	DAXTER, IVIN	
ARCHITECTS - ENGINEERS - SCIENTISTS - SURVEYORS	ALEX D. BITTER DATE: LIC. NO. 57744					JOB NUMBER:	2023-10353	TYPICAL SECTIONS	SHEET 2 OF 5



EXISTING TYPICAL SECTION

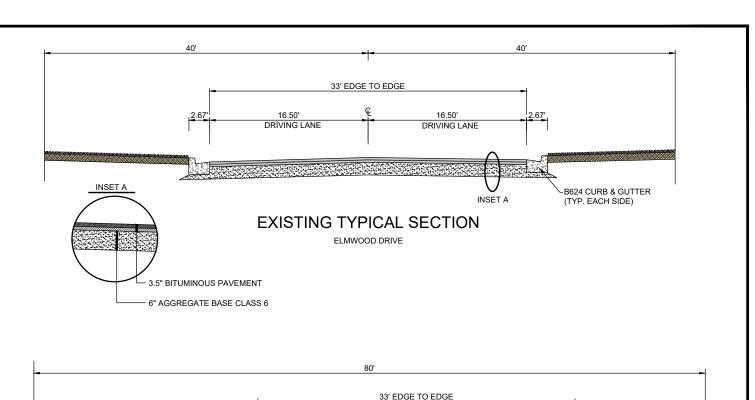
GLORY ROAD

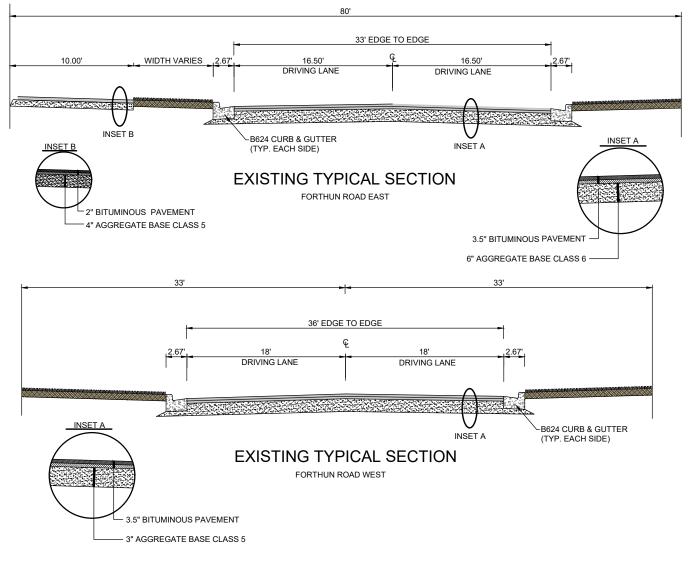


EXISTING TYPICAL SECTION

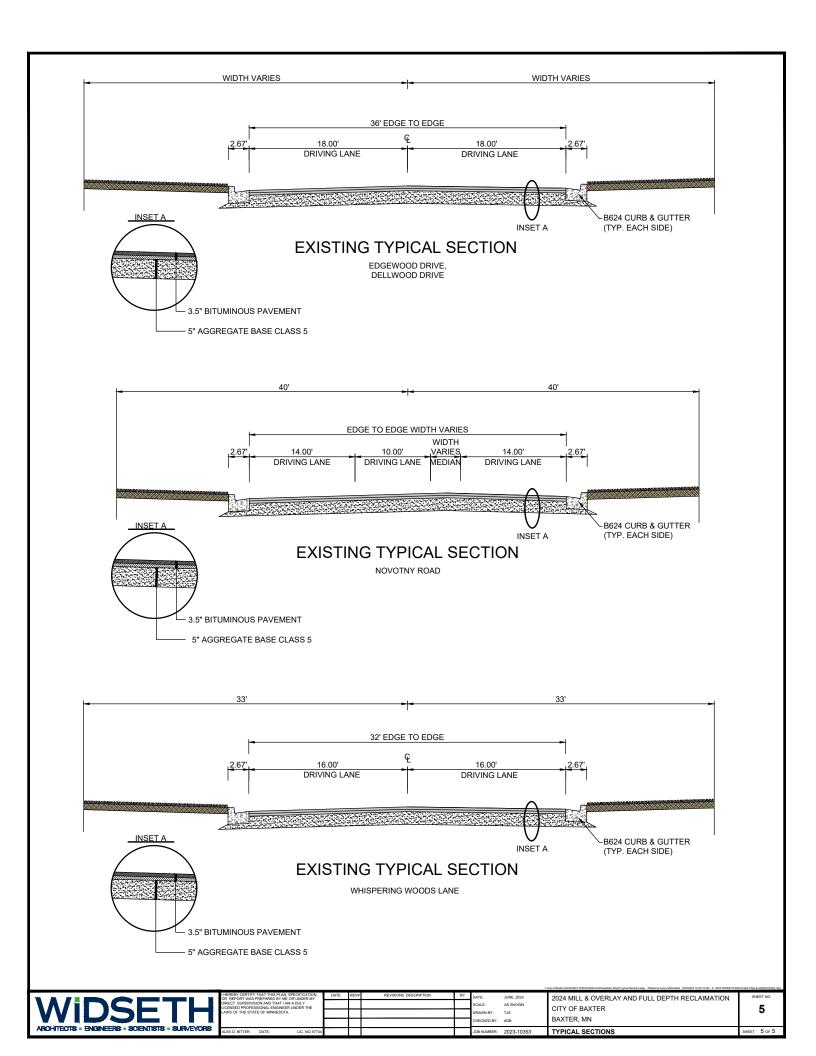
DONALD STREET

WIDSETH	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	DATE	REVISIONS DESCRIPTION	BY	DATE: JUNE, 2023 SCALE: AS SHOWN DRAWN BY: TJS	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION CITY OF BAXTER BAXTER, MN	SHEET NO.
ARCHITECTS - ENGINEERS - SCIENTISTS - SURVEYORS	ALEX D. BITTER DATE: LIC. NO. 57744		i		JOB NUMBER: 2023-10353	TYPICAL SECTIONS	SHEET 3 OF 5



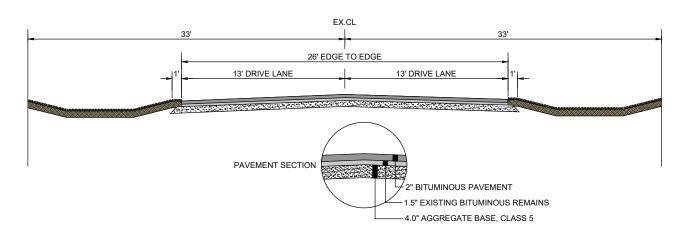


	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY	DATE	REV#	REVISIONS DESCRIPTION	BY	DATE:	JUNE, 2023	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION	SHEET NO.
IMINCETH	DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE					SCALE:	AS SHOWN	CITY OF BAXTER	4
IWIDSETH	LAWS OF THE STATE OF MINNESOTA.					DRAWN BY:	TJS		4
						CHECKED BY:	ADB	BAXTER, MN	
ARCHITECTS - ENGINEERS - SCIENTISTS - SURVEYORS	ALEX D. BITTER DATE: LIC. NO.57744					JOB NUMBER:	2023-10353	TYPICAL SECTIONS	SHEET 4 OF 5



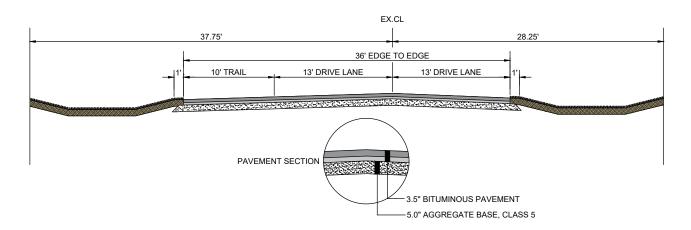
Appendix B

Proposed Typical Section Sheets



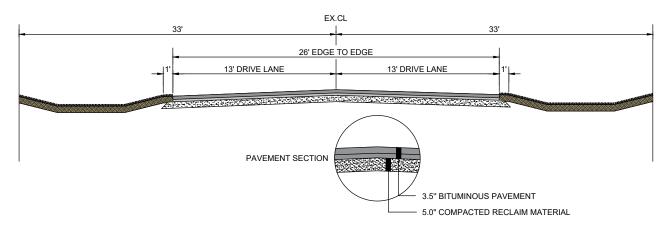
PROPOSED MILL AND OVERLAY TYPICAL SECTION

JEPSON ROAD, KINGWOOD DRIVE, KNOLLWOOD COURT,



PROPOSED FULL DEPTH RECLAMATION TYPICAL SECTION

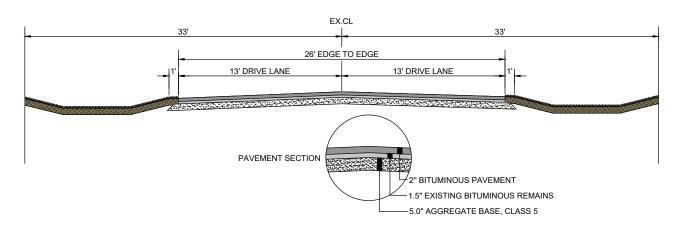
INTERLACKEN ROAD



PROPOSED FULL DEPTH RECLAMATION TYPICAL SECTION

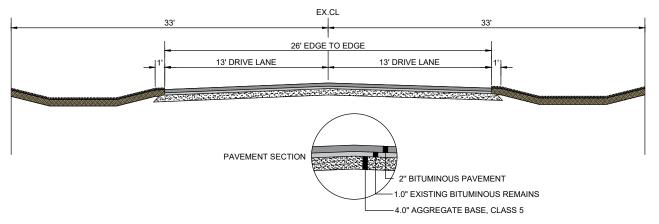
GLORY ROAD, KNOLLWOOD DRIVE, FAIRMONT COURT, DONALD STREET, EDMONTON ROAD

WIDSETH	HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY INFECT SUPPRISSION AND THAT I MAI DULY IJCENSED PROFESSIONAL ENSINEER UNDER THE AWS OF THE STATE OF MINNESOTA.	DATE	REV#	REVISIONS DESCRIPTION	DATE: JUNE, 2023 SCALE: AS SHOWN DRAWN BY: TJS CHECKED BY: ADB	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION CITY OF BAXTER BAXTER, MN	SHEET NO.
ARCHITECTS - ENGINEERS - SCIENTISTS - SURVEYORS	ALEX D. BITTER DATE: LIC. NO.57744				JOB NUMBER: 2023-1035	TYPICAL SECTIONS SHEE	EET 1 ог 6



PROPOSED MILL AND OVERLAY TYPICAL SECTION

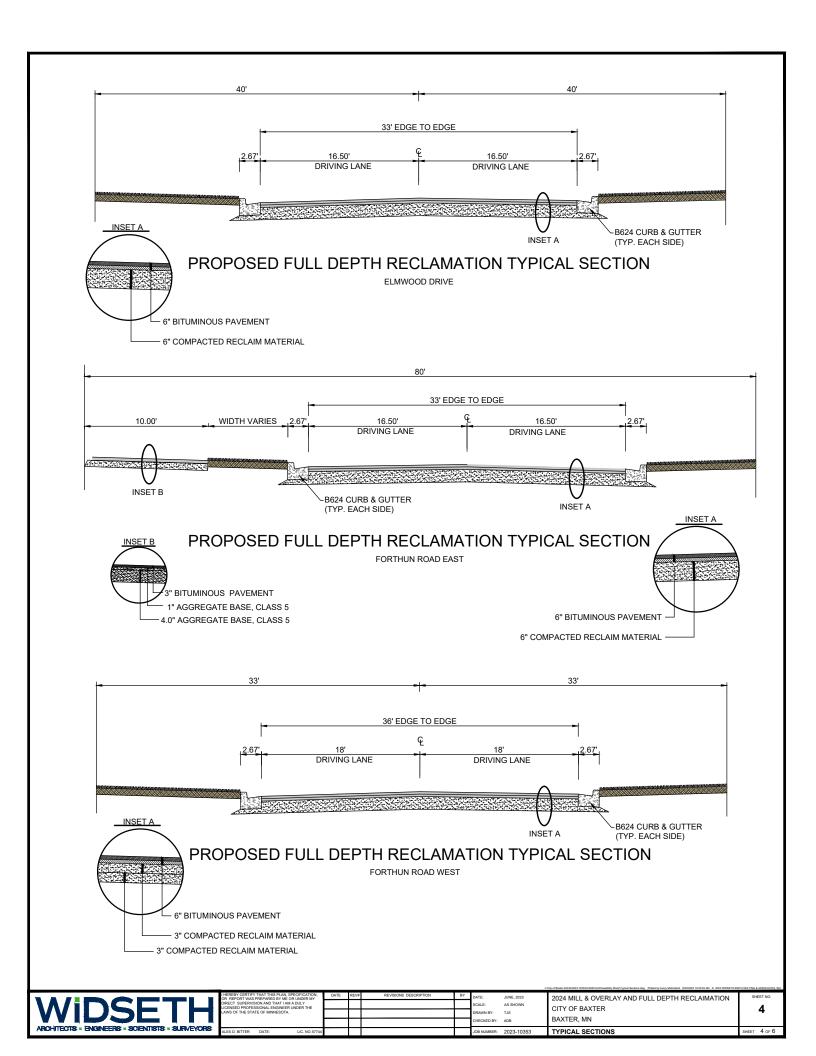
FAIRFAX ROAD, FAIRFAX COURT, KENWOOD DRIVE

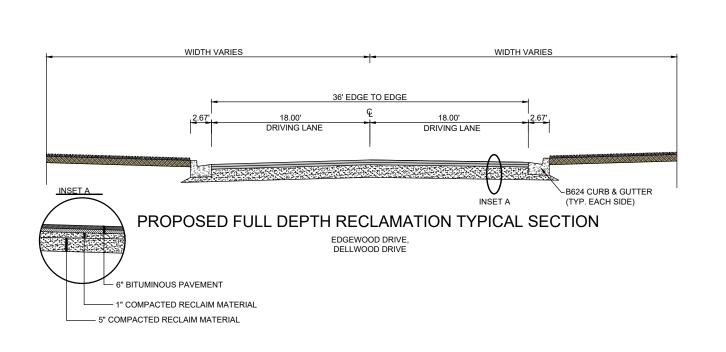


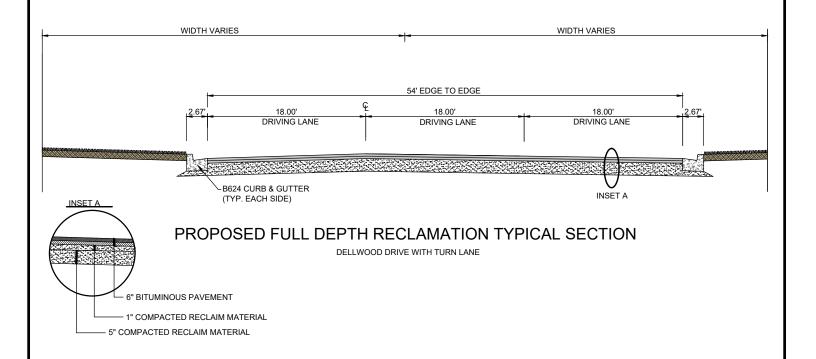
PROPOSED MILL AND OVERLAY TYPICAL SECTION

COTTAGE GROVE DRIVE, NORTHWOODS DRIVE, CAMDEN ROAD, PARKWOOD DRIVE

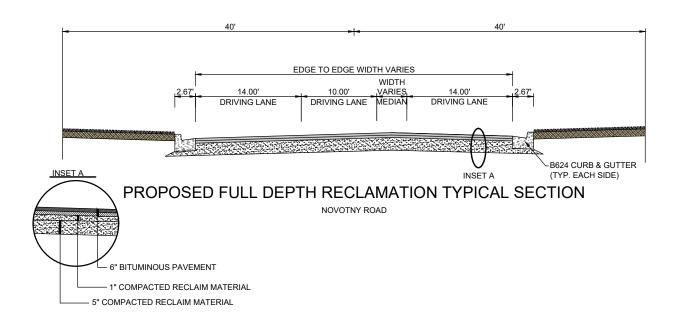
							FiCity of Baxter-3223200021-10053FCADDICIVEFeasibility Study/Typical Sections.deg Plotted by Avery Mulholland 8/29/2023 9:55:10 AM © 2023 WIDSETH SMI	ITH NOLTING & ASSOCIATES, INC.
	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR LINDER MY	DATE	REV# REVISIONS DESCRIPTION	BY	DATE:	JUNE, 2023	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION	SHEET NO.
DIRECT SUPERVISION AND THAT I AM A	DIRECT SUPERVISION AND THAT I AM A DULY			Т	SCALE:	AS SHOWN		_
	LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.			+	DRAWN BY:	TIG	CITY OF BAXTER	2
VVII./.)						100	BAXTER, MN	
					CHECKED BY:	ADB	BAXTER, MIN	
ARCHITECTS - ENGINEERS - SCIENTISTS - SURVEYORS	ALEX D. BITTER DATE: LIC. NO.57744			T	JOB NUMBER:	2023-10353	TYPICAL SECTIONS	SHEET 2 OF 6

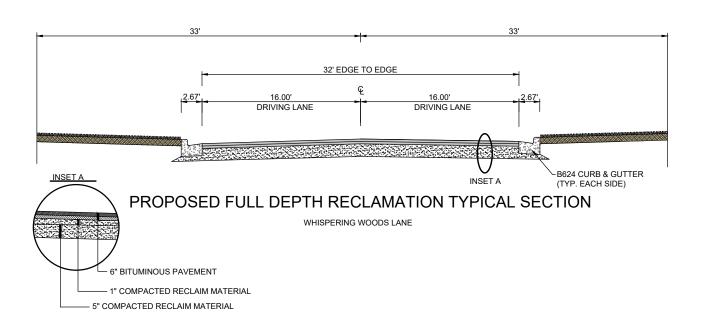






						2	City of Baxter-3222/2023-10353/CADD/Civil Feasibility Study/Typical Sections.chag Polled by Avery Mulholland 8/23/2023 10:32:52 AM © 2023 WIDSETH SA	ITH NOLTING & ASSOCIATES, INC.
	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR LINDER MY	DATE	REV# REVISIONS DESCRIPTION	BY	DATE:	JUNE, 2023	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION	SHEET NO.
Winchtil	DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE				SCALE:	AS SHOWN		_
	LAWS OF THE STATE OF MINNESOTA.				DRAWN BY:	TJS	CITY OF BAXTER	ן ס
				CHECKED BY:	ADB	BAXTER, MN		
ARCHITECTS - ENGINEERS - SCIENTISTS - SURVEYORS	ALEX D. BITTER DATE: LIC. NO.57744				JOB NUMBER:	2023-10353	TYPICAL SECTIONS	знеет 5 or 6





						25	City of Baxter-32222/2023-10353/CADD/Civil/Feasibility Study/Typical Sections.dwg Poted by Avery Muholand 8/23/2023 10:33:08 AM III 0:2023 WDSETH SM	ITH NOLTING & ASSOCIATES, INC.
	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR LINDER MY	DATE	REV# REVISIONS DESCRIPTION	BY	DATE:	JUNE, 2023	2024 MILL & OVERLAY AND FULL DEPTH RECLAIMATION	SHEET NO.
WINCETL	DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER LINDER THE				SCALE:	AS SHOWN	CITY OF BAXTER	6
VVIUSE I THE STATE OF MINNESOTA				DRAWN BY:	TJS		0	
				CHECKED BY: ADB BAXTER, MN	BAXTER, MN			
ARCHITECTS = ENGINEERS = SCIENTISTS = SURVEYORS	ALEX D. BITTER DATE: LIC. NO.57744				JOB NUMBER:	2023-10353	TYPICAL SECTIONS	SHEET 6 OF 6

Appendix C

Engineer's Estimate & Assessment Calculations

2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, MN Monday, December 11, 2023

					JEPSON ROAD							
					ASSESSABLE	ROADWAY	SANITARY		WATER		TOTAL PRO	JECT
ITEM NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED	TOTAL COST	ESTIMATED	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
	0004 504	MODILITATION		*** ***	QUANTITY		QUANTITY				LOTIMATED GOARTIT	
2	2021.501	MOBILIZATION REMOVE CASTING (SANITARY)	LUMP SUM FACH	\$10,000.00 \$235.00	0.64	\$6,400.00	0.08	\$800.00 \$470.00	0.28	\$2,800.00	2	\$10,000.00 \$470.00
3	2104.502	REMOVE CASTING (SANITARY) REMOVE CASTING (STORM)	EACH	\$235.00			2	\$470.00			- 4	\$470.00
4	2104.502	REMOVE SIGN	EACH	\$40.00								
5	2104.502	REMOVE SIGN REMOVE MAIL BOX SUPPORT	EACH	\$45.00								
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50								
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00			56	\$224.00			56	\$224.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00								
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00								
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00			11	\$65.33			11	\$65.33
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00					50	\$500.00
13	2112 603	SHOULDER PREPARATION	LINET	\$0.50	1000	\$500.00					1000	\$500.00
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00								
15	2105.607	EXCAVATION SPECIAL	CUYD	\$16.00								
16	2105 607	COMMON EXCAVATION	CUYD	\$15.00								
17	2123.510	COMMON LABORERS	HOUR	\$100.00	1	\$100.00	1	\$100.00	1	\$100.00	3	\$300.00
18	2123.610	SKID LOADER	HOUR	\$145.00	1	\$145.00	1	\$145.00	1	\$145.00	3	\$435.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	1	\$200.00	1	\$200.00	1	\$200.00	3	\$600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	5	\$175.00	'	\$200.00	'	9200.00	5	\$175.00
21	2211.507	FULL DEPTH RECLAMATION	SQ YD	\$2.00		ψ113.00			1		— •	45.00
22	2215.504	MILL BITUMINOUS SURFACE (2.0")	SOYD	\$2.00	1786	\$3.572.00				\vdash	1786	\$3.572.00
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD SQ YD	\$90.00	1700	φυ,υ12.00			1		1/00	43,312.00
24	2301.504	SPOT FULL DEPTH REPAIR	SQ YD SQ FT	\$2.50	357	\$893.00					357	\$893.00
24 25	2302.518	BITUMINOUS DRIVEWAY REPLACEMENT	SQFT	\$2.50 \$45.00	35/	\$093.00			 		35/	\$093.00
	2302.604		SQ YD TON	4.0.00	040	\$20,487.65	4	804.64			247	\$20 E00 20
26		TYPE SP 43 5 NON WEATING COURSE MIX (3,C)		\$95.00	216	\$20,487.65	1	\$94.64		 	217	\$20,582.29
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00								
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00								
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5,500.00					1	\$5,500.00	1	\$5,500.00
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00					1	\$2,500.00	1	\$2,500.00
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00					1	\$1,500.00	1	\$1,500.00
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00					4	\$2,800.00	4	\$2,800.00
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					1	\$325.00	1	\$325.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					1	\$250.00	1	\$250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00								
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			2	\$2,400.00			2	\$2,400.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00								
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQFT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LINFT	\$24.00								
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00								
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50								
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00								
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00								
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.63	\$1,890.00	0.08	\$240.00	0.29	\$870.00	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQFT	\$60.00								
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00					1			
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LINFT	\$5.00		1						
61	2573.503	SILT FENCE, TYPE MS	LINFT	\$4.00		1						
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00								
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	12	\$540.00					12	\$540.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	2	\$3.15					2	\$3.15
65	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING) FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75							-	
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50								
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$17.50 \$5.50		 			1		<u> </u>	
68	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING) SEED MIXTURE 25-151	POUND	\$7.00	4	\$25.20			1		4	\$25.20
69	2575.508		POUND	\$3.50	63	\$25.20			1		63	\$25.20
69 70	2575.508 2575.523	HYDRAULIC REINFORCED FIBER MATRIX			10	\$220.50 \$450.00			 		63 10	\$220.50 \$450.00
		WATER	MGAL	\$45.00						——		
71	2575.605	SEEDING	ACRE	\$600.00	0.03	\$18.00				——	0	\$18.00
72	2582.503	4" SOLID LINE PAINT	LINFT	\$0.85	050	6007.50				 	950	eno= ==
73	2582.503	4" BROKEN LINE PAINT	LINFT	\$0.85	350	\$297.50				 	350	\$297.50
74	2582.503 2582.503	8" SOLID LINE PAINT	LINFT	\$0.85		 				 	<u> </u>	
75	2002.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	-	 		!	l		L	
ECT.	MATER CONO	TRUCTION COST:		#2 040 40E 70	200/	606 447 60	20/	64 700 07	200/	646 000 00	4000/	CEO 445 CT
EOII	MATER CONS	INDUTION COST:		\$3,940,105.78	63%	\$36,417.00	8%	\$4,738.97	29%	\$16,990.00	100%	\$58,145.97

RESIDENTIAL M&O

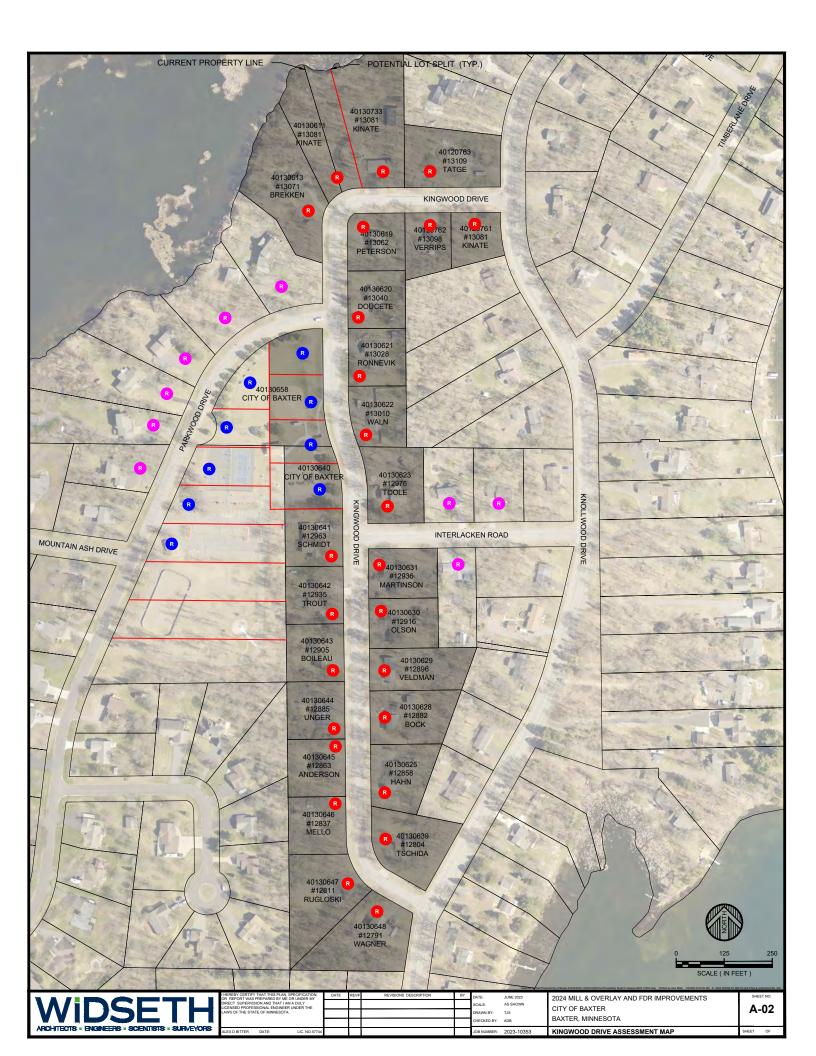
ESTIMATED CONSTRUCTION COST:	\$3,940,105.78	63% \$36,417.00	8% \$4,738.97	29% \$16,990.00	100%	\$58,145.97
CONTINGENCIES (15%):	\$591,015.87	\$5,462.55	\$710.85	\$2,548.50		\$8,721.90
SUBTOTAL:	\$4,531,121.65	\$41,879.55	\$5,449.82	\$19,538.50	1.48%	\$66,867.87
ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%):	\$1,132,780.41	\$10,469.89	\$1,362.45	\$4,884.63		\$16,716.97
ESTIMATED TOTAL PROJECT COST:	\$5,663,902.06	\$52,349.44	\$6,812.27	\$24,423.13		\$83,584.84



2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, MN Monday, December 11, 2023

									KINGWOOD					
ITEM					ASSESSABLE ROADWAY		TRAIL		SANITARY SEWER		WATER		TOTAL PROJECT	
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL CO
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.81	\$8,100.00	0.01	\$100.00	0.05	\$500.00	0.13	\$1,300.00	1	\$10,000.0
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00					7	\$1,645.00			7	\$1,645.0
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00										
4	2104.502	REMOVE SIGN	EACH	\$40.00	4	\$160.00							4	\$160.0
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00			-							
6 7	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$7.50 \$4.00			-		196	\$784.00			196	\$784.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LINFT	\$15.00					190	9704.00			190	\$704.00
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00										
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00										
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00					38	\$228.67			38	\$228.67
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00							50	\$500.0
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50	4762	\$2,381.00							4762	\$2,381.0
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00										
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00										
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00										
17	2123.510	COMMON LABORERS	HOUR	\$100.00	1	\$100.00 \$145.00	1	\$100.00 \$145.00	1	\$100.00 \$145.00	1	\$100.00 \$145.00	4	\$400.00 \$580.00
18 19	2123.610 2123.610	SKID LOADER STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$145.00 \$200.00	1	\$145.00	1	\$145.00	1	\$145.00	1	\$145.00	4	\$800.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	5	\$175.00	'	\$200.00	- '	\$200.00	'	\$200.00	5	\$175.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	l i	9175.00	1		1					¥11 3.00
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00	7222	\$14,444.73	64	\$128.33	1				7287	\$14,573.
23	2301.504	CONCRETE PAVEMENT 8*	SQ YD	\$90.00										
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50	1444	\$3,611.18	İ						1444	\$3,611.1
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00										
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	872	\$82,845.37	8	\$734.16	3	\$326.93			883	\$83,906.
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00					5	\$390.02			5	\$390.0
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00										
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00										
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00										
31 32	2503.602	CONNECT TO EXISTING SANITAY SEWER 8" PIPE SEWER	EACH LIN FT	\$1,850.00 \$85.00			-							
33	2503.603 2504.502	8' PIPE SEWER HYDRANT	EACH	\$5,500.00			-				2	\$11,000.00	2	\$11,000
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00							2	\$5,000.00	2	\$5,000.0
35	2504.602	6° GATE VALVE REPLACEMENT	EACH	\$1,500.00							2	\$3,000.00	2	\$3,000.0
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00							12	\$8,400.00	12	\$8,400.0
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00							1	\$325.00	1	\$325.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00							1	\$250.00	1	\$250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00										
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00					7	\$8,400.00			7	\$8,400.0
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00										
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00										
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00										
44	2506.503 2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00 \$500.00			-							
45 46	2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN H RECONSTRUCT DRAINAGE STRUCTURE	LIN FT EACH	\$2,000.00										
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00										
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00										
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00										
50	2521.518	6" CONCRETE WALK	SQFT	\$17.50										
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50										
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00										
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00										
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50					ļ					
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00			1		1					
56	2540.602	MAIL BOX SUPPORT	EACH LUMP SUM	\$125.00	0.75	en nen ne	0.01	\$30.00	0.07	6240.00	0.17	\$510.00		\$3,000.0
57	2563.601 2564.518	TRAFFIC CONTROL SIGN PANELS TYPE C	SQ FT	\$3,000.00 \$60.00	0.75	\$2,250.00 \$1.695.00	0.01	\$30.00	0.07	\$210.00	0.17	\$510.00	1 28	\$3,000.0
58 59	2564.518 2573.502		SQ FT EACH	\$60.00 \$165.00	28	\$1,095.00	1		 		1	\vdash	28	\$1,695.0
59 60	2573.502 2573.503	STORM DRAIN INLET PROTECTION SEDIMENT CONTROL LOG TYPE WOOD FIBER	EACH LIN FT	\$165.00 \$5.00			1	 	1	 	1		1	
61	2573.503	SILT FENCE, TYPE MS	LINFT	\$5.00			 		 			\vdash		
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00			1		1					
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	59	\$2,655.00							59	\$2,655.0
34	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	12	\$21.00	İ						12	\$21.00
35	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75										
36	2575.504	SOD TYPE LAWN	SQ YD	\$17.50										
57	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50					1					
38	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	24	\$168.00							24	\$168.0
59	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	420	\$1,470.00							420	\$1,470.0
0	2575.523	WATER	MGAL	\$45.00	10	\$450.00	ļ						10	\$450.0
71	2575.605	SEEDING	ACRE	\$600.00	0.20	\$120.00	1						0.20	\$120.0
72	2582.503 2582.503	4" SOLID LINE PAINT 4" BROKEN LINE PAINT	LIN FT	\$0.85 \$0.85	2380	\$2 023 00	 	-	1	-			2380	\$2 023
73 74	2582.503 2582.503	4" BROKEN LINE PAINT 8" SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	2380 168	\$2,023.00 \$142.80	 		1				2380 168	\$2,023.0 \$142.8
74	2582.503 2582.503	8" SOLID LINE PAINT 4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	168	g 142.8U	1		1			+	168	¢142.80
-	2002.003			40.00	-	1	l	1	1	1	1		L	
STI	MATED CONS	STRUCTION COST:		\$3,940,105.78	73%	\$123,657.08	1%	\$1,437.49	8%	\$12,929.62	18%	\$30,230.00	100.0%	\$168,254
CONT	TINGENCIES (\$591,015.87		\$18,548.56	_	\$215.62	_	\$1,939.44	_	\$4,534.50		\$25,238
SUBT	OTAL:			\$4,531,121.65		\$142,205.65	_	\$1,653.12	_	\$14,869.06	-	\$34,764.50	4.27%	\$193,492
ENGI	NEERING, LE	GAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		\$35,551.41		\$413.28		\$3,717.27		\$8,691.13		\$48,373.

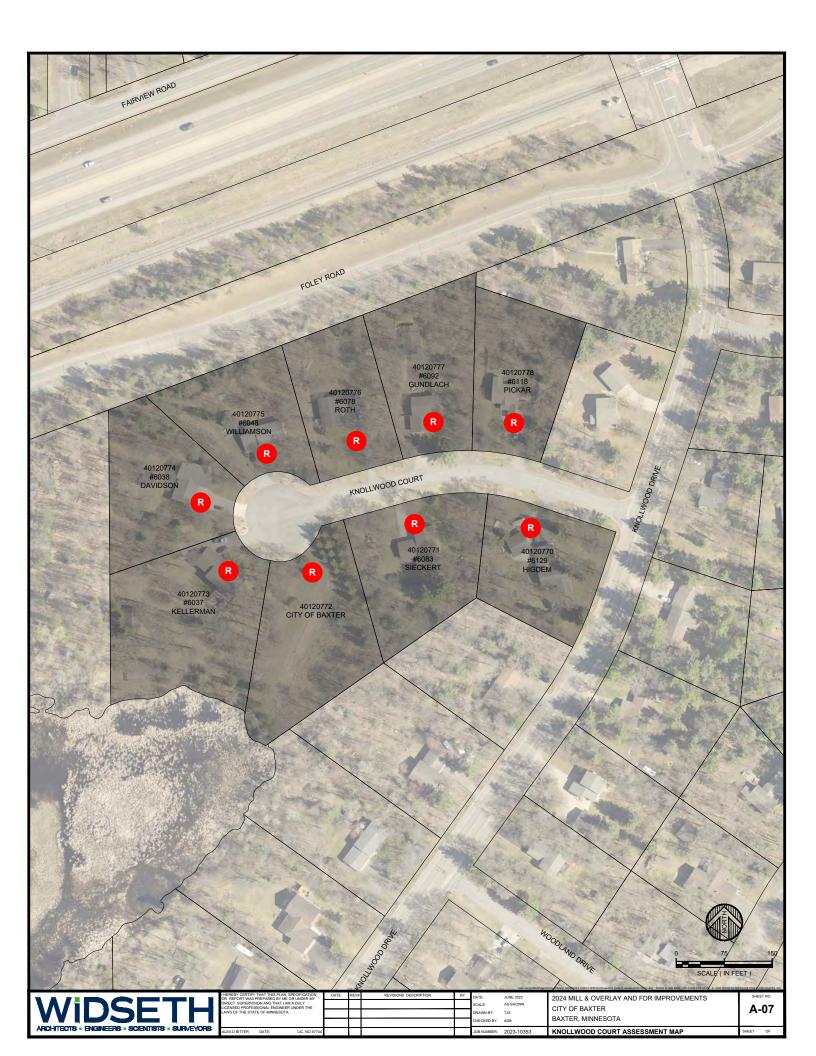
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	24	\$168.00							24	\$168.00
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	420	\$1,470.00							420	\$1,470.00
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00							10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00	0.20	\$120.00							0.20	\$120.00
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85										
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	2380	\$2,023.00							2380	\$2,023.00
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85	168	\$142.80							168	\$142.80
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85										
CON SUB ENG	TINGENCIES (FOTAL: INEERING, LEG	TRUCTION COST: 15%); SAL, FINANCE, ADMIN AND OTHER COSTS (25%); L PROJECT COST:		\$3,940,105.78 \$591,015.87 \$4,531,121.65 \$1,132,780.41 \$5,663,902.06	73%	\$123,657.08 \$18,548.56 \$142,205.65 \$35,551.41 \$177,757.06	1%	\$1,437.49 \$215.62 \$1,653.12 \$413.28 \$2,066.40	8% - -	\$12,929.62 \$1,939.44 \$14,869.06 \$3,717.27 \$18,586.33	18% - -	\$30,230.00 \$4,534.50 \$34,764.50 \$8,691.13 \$43,455.63	100.0% 4.27%	\$168,254.20 \$25,238.13 \$193,492.33 \$48,373.08 \$241,865.41



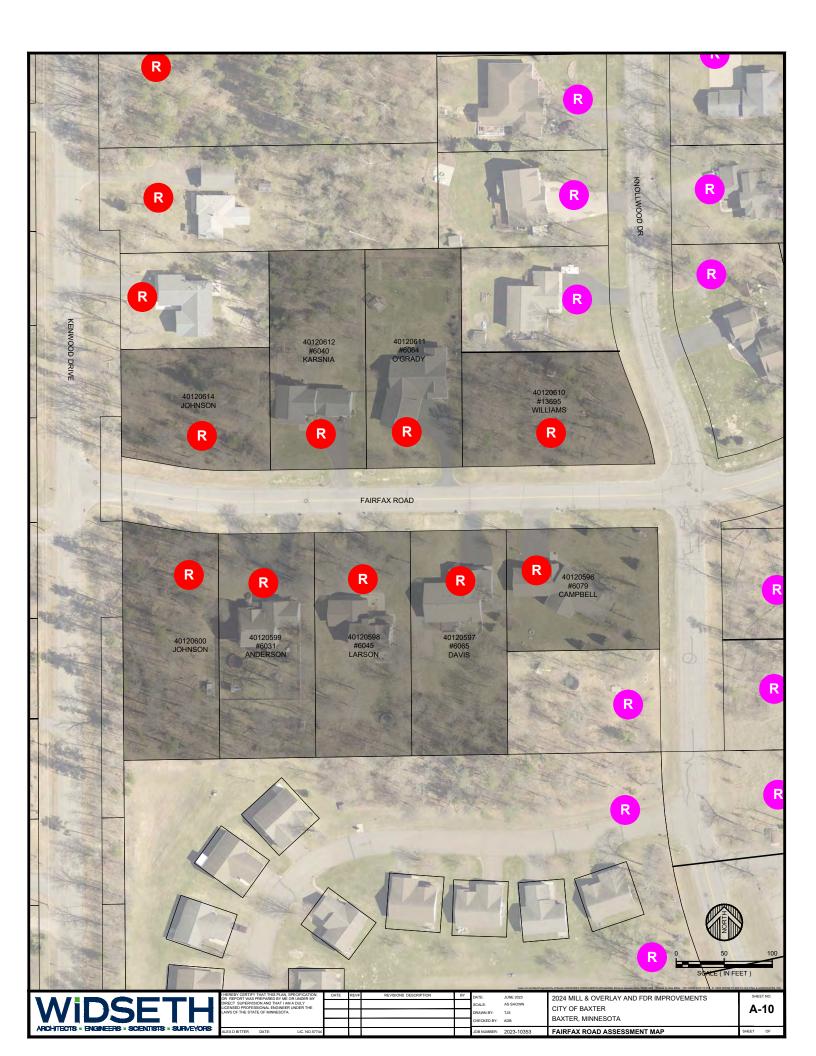
2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, MN Monday, December 11, 2023

					KNOLLWOOD COURT							
-		I			ASSESSABLE RO	ADWAY	SANITARY SE			TOTAL PROJECT		
ITEM	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE				1	WATER		TOTAL PROJECT	
NO.	SPEC NO.		UNII	S.II. PRICE	ESTIMATED QUANTITY	TOTAL COST						
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.67	\$6,700.00	0.08	\$800.00	0.25	\$2,500.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00			2	\$470.00			2	\$470.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00								
4	2104.502	REMOVE SIGN	EACH	\$40.00								
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00								
6 7	2104.503 2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$7.50 \$4.00			56	\$224.00			56	\$224.00
8	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH) REMOVE SEWER PIPE (SANITARY)	LIN FT LIN FT	\$4.00 \$15.00			56	\$224.00			56	\$224.00
9	2104.503	REMOVE SEWER PIPE (SANTIART) REMOVE CURB & GUTTER	LINFT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00								
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00			11	\$65.33			11	\$65.33
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00					50	\$500.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50	1320	\$660.00					1320	\$660.00
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00								
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00								
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00		\$100.00		\$100.00		\$100.00		\$300.00
17	2123.510 2123.610	COMMON LABORERS SKID LOADER	HOUR	\$100.00 \$145.00	1	\$100.00 \$145.00	1	\$100.00 \$145.00	1	\$100.00 \$145.00	3	\$300.00 \$435.00
18	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$145.00 \$200.00	1	\$145.00	1	\$145.00	1	\$145.00	3	\$600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$200.00	5	\$200.00		\$200.00	'	\$200.00	5	\$175.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00								
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00	2097	\$4,194.67					2097	\$4,194.67
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00								
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50	419	\$1,048.67					419	\$1,048.67
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00								
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	253	\$24,059.04	1	\$94.64			254	\$24,153.67
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00			1	\$112.90			1	\$112.90
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00								
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30 31	2503.602 2503.602	CONNECT TO EXISTING STORM SEWER CONNECT TO EXISTING SANITAY SEWER	EACH EACH	\$1,300.00 \$1.850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5,500.00					1	\$5,500.00	1	\$5,500.00
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00					1	\$2.500.00	1	\$2,500.00
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00					1	\$1,500.00	1	\$1,500.00
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00					4	\$2,800.00	4	\$2,800.00
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					1	\$325.00	1	\$325.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					1	\$250.00	1	\$250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00								
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			2	\$2,400.00			2	\$2,400.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42 43	2506.502 2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP) CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH EACH	\$1,550.00 \$1,300.00								
44	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP) CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,300.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00								
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00								
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00							-	
54 55	2531.604 2531.618	8" CONCRETE VALLEY GUTTER TRUNCATED DOMES	SQ YD SQ FT	\$97.50 \$65.00							-	
55 56	2531.618 2540.602	TRUNCATED DOMES MAIL BOX SUPPORT	SQ FT EACH	\$65.00 \$125.00			1		1		1	
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.67	\$2,010.00	0.08	\$240.00	0.25	\$750.00	1	\$3.000.00
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	3.07	,-10.00	2.00				· ·	7-,-00.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00								
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00								
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00								
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00								
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	16	\$720.00					16	\$720.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	2	\$4.20					2	\$4.20
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75								
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50							1	
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50			1				5	\$33.60
68 69	2575.508 2575.508	SEED MIXTURE 25-151 HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$7.00 \$3.50	5 84	\$33.60 \$294.00					5 84	\$33.60 \$294.00
	2575.508 2575.523	HYDRAULIC REINFORCED FIBER MATRIX WATER	POUND MGAL		10	\$294.00 \$450.00	1		1		84 10	\$294.00 \$450.00
70 71	2575.523 2575.605	WATER SEEDING	MGAL ACRE	\$45.00 \$600.00	0.04	\$450.00	1		1		0.04	\$450.00
72	2575.605	4" SOLID LINE PAINT	LIN FT	\$0.85	0.04	QL-1.00					0.04	Q2-1.00
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	600	\$510.00					600	\$510.00
	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85		1						1
74	2502.503											

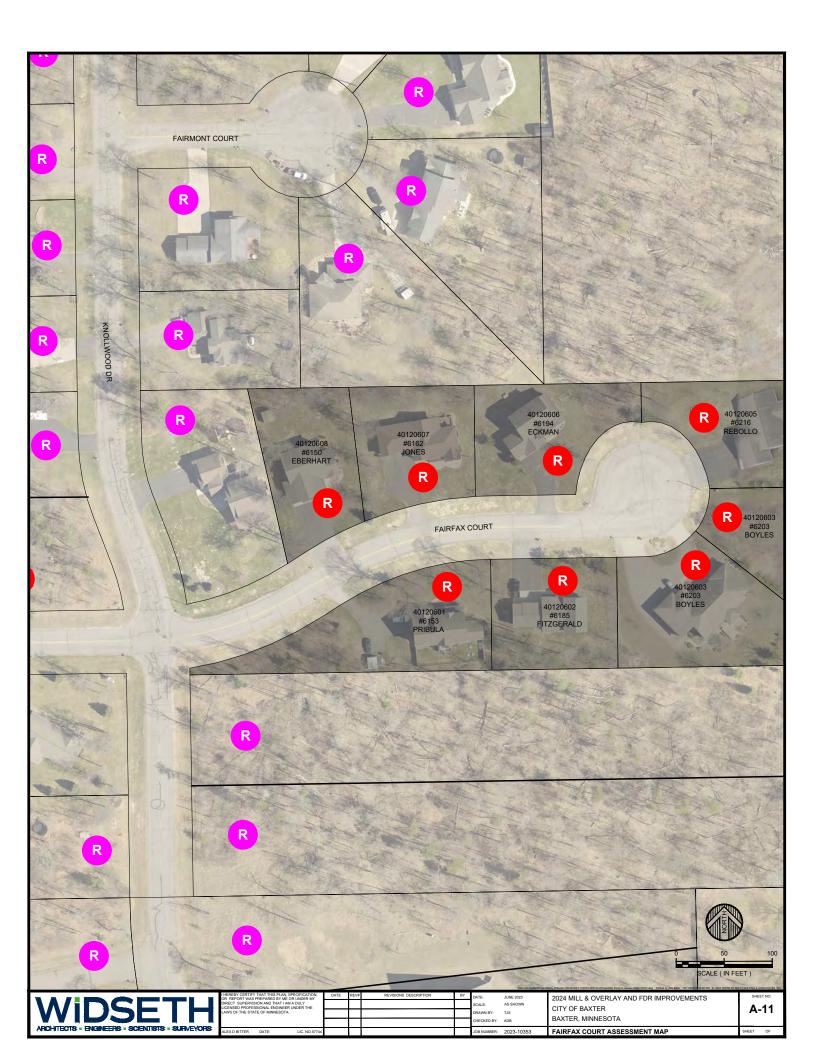
ESTIMATED CONSTRUCTION COST:	\$3,940,105.78	66% \$41,828.17	8% \$4,851.87	26% \$16,570.00	100% \$63,250.04
CONTINGENCIES (15%):	\$591,015.87	\$6,274.23	\$727.78	\$2,485.50	\$9,487.51
SUBTOTAL:	\$4,531,121.65	\$48,102.39	\$5,579.65	\$19,055.50	1.61% \$72,737.55
ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%):	\$1,132,780.41	\$12,025.60	\$1,394.91	\$4,763.88	\$18,184.39
ESTIMATED TOTAL PROJECT COST:	\$5,663,902.06	\$60,127.99	\$6,974.57	\$23,819.38	\$90,921.93



1													
Mathematical Math	TOTAL PROJECT	TOTAL	R			SANITARY	ROADWAY	ASSESSABLE					
2 1948 MONC CONTEST CONTEST 1948	D QUANTITY TOTAL	ESTIMATED QUANTI	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	UNIT PRICE	UNIT	ITEM DESCRIPTION	SPEC NO.	
1		1	\$500.00	0.05			\$8,500.00	0.85					
Part	2 \$470.	2			\$470.00	2							
1	2 \$80.0	2					een on	2					
7 200.00	2 900.0	- 2					\$60.00						
1													
2 200.003 300.000 CARREST CONCISIONI CONCISION CONCISION CONCISION CONCISION CONCISION CONCISION CON	56 \$224.	56			\$224.00	56							
2 200 08 08 08 08 08 08													
1 296.00 296.00 296.0													
10 Priss SPACES PROMOTOR AND PROMOTOR NO. 10 10 10 10 10 10 10 10	11 \$65.3	11			\$65.33	11							
1 79689 RCLAMER CARRIEDT SAMP REPRESENTED STATE	50 \$500.0	50					\$500.00		\$10.00	SQ YD		2105.604	12
10 798 200	294 \$647.	1294					\$647.00	1294					
10 2006007 1000000000000000000000000000000000													
1													
10 202360 SOCIOLOGICA TO \$14.00 T \$14.00 T	3 \$300.0	3	\$100.00	1	\$100.00	1	\$100.00	1	\$10100				
20 291-109 ADDRESSER SAME SAME SECOLAL (CV) 520 520 5 197-109 199-109		3		1		1		1					
15 15 15 15 15 15 15 15		3		1		1		1					
20 2012-004 MILE STEMPANCE (EFF) 5070 500		5						5					
20 200.000 STOTAL CERT REPORTED SO 10 10 10 10 10 10 10 1													
20 200.000 TOTAL SEPTIMENT SEPTIMENT 50.70 50.000 1 50.0	963 \$3,925	1963					\$3,925.13	1963					
20,000 STANDARD SPRINKER PERSONNER PERSONN						1	000/	057	400.00				
27 2006.00 1 504.00 1	993 \$981	393				-	\$981.28	393					
20 200.000 TYPE ST 2 NON-MEMBER (200.00 1 517.0	238 \$22,607	238			\$94.64	1	\$22.513.09	237					
200.000 CPE PRESENTE SECONDARY CLASS Y LINE T \$7.00	1 \$112.1	1				1		-31					
250.0501 TRACER WESTER (MANTANY)									\$75.00		12* RC PIPE SEWER DESIGN 3006 CLASS V	2503.503	28
200.0802 COMMENT OF DISTRICT DISTRI										LUMP SUM	TRACER WIRE SYSTEM (SANITARY)	2503.601	29
32 3204.083 PFPE SWEFE NOTE 56.00									4.1000.00				
10 10 10 10 10 10 10 10													
200.4862 HORANT RESTORATION													
25 2504.002 PLANTE WAS PREPACEMENT SEACH SE10.00													
250.4829 WATERMAN EXPONENTIAL PROVIDED READ 1 3250.00													
38 2504.062 VALVERONMO SECTION													
2004.002 WINDOWN TIE	2 \$650.0	2	\$650.00	2					\$325.00	EACH	ADJUST VALVE BOX	2504.602	37
2006.002 CASTRIAG ASSEMBLY STORM POOT)	1 \$250.	1	\$250.00	1									
### 2500.502 CASTING ASSEMBLY (STORM MECHAN R.2320.DVS)													
2506.502 CASTING ASSERBAY (STORM MERINAN RAZISOD/SP)	2 \$2,400	2			\$2,400.00	2							
2006.902 CASTRO ASSEMBLY (STORM MERLAN PLAZES/ENSP) EACH \$1,000.00									4.1,200.00				
\$200.003													
ACCOUNTING TORANGE STRUCTURE EACH \$2,000.00									\$1,000.00	LIN FT	CONSTRUCT DRAINAGE STRUCTURE 48-4020	2506.503	44
A													
Main Main													
2008.003 SAVITARY MANNOLE EXCESS DEPTH													
S251518 6° CONCRETE VALK S0 FT \$17.50 S0.50													
S21 S21													
22 \$31.503 CONNETE CURB & SUTTER DESIGN B024 LINFT \$40.00 32 \$31.504 \$ CONNETE DENIVOWY PAURINTY 32 \$10 \$104 \$ CONNETE DENIVOWY PAURINTY 33 \$10 \$10 \$ CONNETE DENIVOWY PAURINTY 34 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10													
\$ 253.964 \$ CONCRETE VALLEY CUTTER \$ SO YD \$ 97.50 \$ \$ 255.00 \$ \$ 100.00 \$ \$									\$24.00	LIN FT	CONCRETE CURB & GUTTER DESIGN B624	2531.503	52
SST 1618 TRUNCATE DOMES SO FT SS 50							-						
50 2340.002 Mal BOX SUPPORT EACH \$125.00		-											
2583.001 TRAFFIC CONTROL LIMP SIM \$3,000.00 0.85 \$2,256.00 0.10 \$300.00 0.05 \$150.00		-				-							
Sign Parker Sign Parker	1 \$3,000	1	\$150.00	0.05	\$300.00	0.10	\$2.550.00	0.85					
59 2273-502 STORM DAMN NAET PROTECTION		13					40,000.00		40,000.00				
61 2873-503 SIFENCE LYPE MS LINFT \$4.00													
62 2573.501 STABILIZED CONSTRUCTION EIXIT													
0.3 2574-07 SCRENND TOPSQUL BORROW CLY TO \$45.00 19 \$720.00													
64 2574.588 FERTILIZER TYPE 3 (10-10-20) (SEEDING) POUND \$1.75 2 \$3.15		-											
65 2574.508 FERTILUZER TYPE 3 (22-54) (500) POUND \$1.75		16											
66 257.5504 SOD TYPE LAWN SQ YD \$17.50	2 \$3.11	2				1	\$3.1b	2					
67 2975.090 SEED MIXTURE 22-111 (TEMPORARY SEEDING) POUND \$5.50 SEED MIXTURE 22-111 (TEMPORARY SEEDING) POUND \$7.00 4 \$55.20 SEED MIXTURE 23-151 POUND \$1.00 4 \$55.20 SEED MIXTURE 23-151 SEED MIXTURE 23-151 SEED MIXTURE 23-151 SEED SEED SEED SEED SEED SEED SEED SEE													
68 2575.508 SEED MXTURE 25-151 POUND \$7.00 4 \$25.20													
	. ,	4							\$7.00	POUND	SEED MIXTURE 25-151	2575.508	
		63											
		10					\$450.00	10	\$45.00	MGAL	WATER	2575.523	70
71 275.050 SEEDING ACRE \$600.00 0.03 \$18.00 \$	1.03 \$18.0	0.03					\$18.00	0.03					
72 2582593 4"SOLD LINE PAINT LINFT 50.65 73 2582593 4"SROKEN LINE PAINT LINFT 50.65		1											
7-3 Z002-000 * GNOMEN LINE FAINT LINE T \$0.05													
75 2582.593 4*DOUBLE SOLID LINE PAINT LIN FT \$0.85 575 \$488.75	575 \$488.	575					\$488.75	575					75
ESTIMATED CONSTRUCTION COST: \$3,940,105.78 86% \$42,992.11 10% \$5,111.87 4% \$1,995.00 CONTINGENCIES (15%): \$591,015.87 \$6,448.82 \$766.78 \$299.25 SUBTOTAL: \$4,531,121.65 \$49,440.93 \$5,5776.65 \$2,294.25	100% \$50,090 \$7,514 1.27% \$57,613		\$299.25	4%	\$766.78	10%	\$6,448.82	86%	\$591,015.87			NGENCIES (1	CONT
ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%): \$1,132,780.41 \$12,380.23 \$1,469.66 \$573.56	\$14,40			_		= :		l .					
ESTIMATED TOTAL PROJECT COST: \$5,663,902.06 \$61,801.16 \$7,348.32 \$2,867.81	\$72,017			=		= :		'					



								FAIRE	AX COURT			
					ASSESSABLE	ROADWAY	SANITARY		AX COURT WATE	ER .	TOTAL PR	DJECT
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.86	\$8,585.00	0.12	\$1,170.00	0.02	\$245.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00			2	\$470.00			2	\$470.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00								
4	2104.502 2104.502	REMOVE SIGN REMOVE MAIL BOX SUPPORT	EACH EACH	\$40.00 \$45.00	1	\$40.00					1	\$40.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50								
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00			56	\$224.00			56	\$224.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00								
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00								
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00			11	\$65.33			11	\$65.33
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00					50	\$500.00
13 14	2112.603 2112.619	SHOULDER PREPARATION RECLAIMED AGGREGATE BASE PREPARATION	LIN FT ROAD STA	\$0.50 \$300.00	1184	\$592.00					1184	\$592.00
15	2112.619	EXCAVATION SPECIAL	CU YD	\$16.00								
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00								
17	2123.510	COMMON LABORERS	HOUR	\$100.00	1	\$100.00	1	\$100.00	1	\$100.00	3	\$300.00
18	2123.610	SKID LOADER	HOUR	\$145.00	1	\$145.00	1	\$145.00	1	\$145.00	3	\$435.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	1	\$200.00	1	\$200.00	1	\$200.00	3	\$600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	5	\$175.00					5	\$175.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00			l					
22	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$2.00	2090	\$4,180.00					2090	\$4,180.00
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00								
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50	418	\$1,045.00	ļ				418	\$1,045.00
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00			ļ					
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	252	\$23,974.91	1	\$94.64			253	\$24,069.55
27 28	2360.509 2503.503	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B) 12" RC PIPE SEWER DESIGN 3006 CLASS V	TON LIN FT	\$85.00 \$75.00			1	\$112.90	1		1	\$112.90
28	2503.503 2503.601	12" RC PIPE SEWER DESIGN 3006 CLASS V TRACER WIRE SYSTEM (SANITARY)	LIN FT LUMP SUM	\$75.00 \$500.00							<u> </u>	
30	2503.601	CONNECT TO EXISTING STORM SEWER	EACH	\$500.00 \$1,300.00			1		+		—	
31	2503.602	CONNECT TO EXISTING STORM SEWER CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5.500.00								
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00								
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00								
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00								
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00								
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00								
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			2	\$2,400.00			2	\$2,400.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43 44	2506.502 2506.503	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP) CONSTRUCT DRAINAGE STRUCTURE 48-4020	EACH LIN FT	\$1,300.00 \$1,000.00								
44	2506.503 2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020 CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$1,000.00 \$500.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00								
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50			l					
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00								
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00								
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50								
55	2531.618	TRUNCATED DOMES	SQFT	\$65.00			 				<u> </u>	
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	0.00	60 575 50	0.40	8054.00	0.00	670.50		\$3.000.00
57 58	2563.601 2564.518	TRAFFIC CONTROL SIGN PANELS TYPE C	LUMP SUM SQ FT	\$3,000.00 \$60.00	0.86	\$2,575.50 \$375.00	0.12	\$351.00	0.02	\$73.50	6	\$3,000.00 \$375.00
59	2564.518 2573.502	SIGN PANELS TYPE C STORM DRAIN INLET PROTECTION	EACH	\$80.00 \$165.00	•	\$3/0.00					•	\$375.00
60	2573.502	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$165.00			1		-		<u> </u>	
61	2573.503 2573.503	SILT FENCE, TYPE MS	LIN FT	\$5.00 \$4.00			1		+		—	
62	2573.503	STABILIZED CONSTRUCTION EXIT	EACH	\$4.00			†					
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	15	\$675.00	1				15	\$675.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	2	\$3.15	1				2	\$3.15
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75								
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50								
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50								
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	4	\$25.20	l				4	\$25.20
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	63	\$220.50					63	\$220.50
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00	ļ				10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00	0.03	\$18.00	 				0.03	\$18.00
72 73	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85 \$0.85			 		1			
73 74	2582.503 2582.503	4" BROKEN LINE PAINT 8" SOLID LINE PAINT	LIN FT	\$0.85 \$0.85							<u> </u>	
75	2582.503 2582.503	8" SOLID LINE PAINT 4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	450	\$382.50	1		-		450	\$382.50
70	2002.003	4 DOUBLE GOLD LINE PAIN!	LINE	\$0.00	400	\$30£.00	ı	1	1		400	¢302.00
ESTI	MATED CONST	RUCTION COST:		\$3,940,105.78	87.89%	\$44,261.76	10.59%	\$5,332.87	1.52%	\$763.50	100%	\$50.358.13
	TINGENCIES (1			\$591,015.87	21.3070	\$6,639.26		\$799.93		\$114.53	.50%	\$7,553.72
SUBT	TOTAL:			\$4,531,121.65		\$50,901.03	_	\$6,132.80	-	\$878.03	1.28%	\$57,911.86
		SAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		\$12,725.26	_,	\$1,533.20	=	\$219.51		\$14,477.96
		PROJECT COST:		\$5,663,902.06		\$63,626.28	=	\$7,666.00	=	\$1,097.53		\$72,389.82
ESIII												

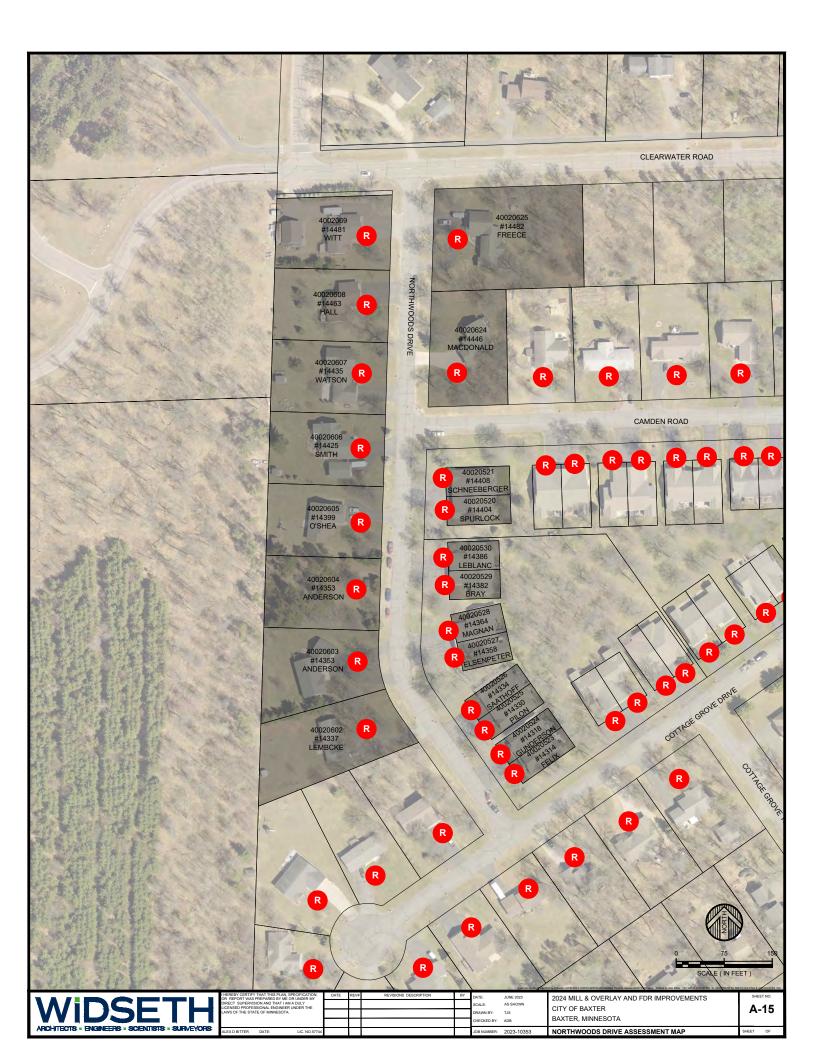


## STATES STATES													
10 10 10 10 10 10 10 10						1000 1000 1000 1000 1000						_	
	ITEM	SPEC NO	ITEM DESCRIPTION	UNIT	UNIT PRICE								
2 1982 PROCEED COMPONENCY 1982 198	NO.	arec no.	HEM DESCRIPTION	ONIT	ONIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	1					0.87	\$8,700.00			0.03	\$300.00	1	\$10,000.00
1	2							8	\$1,880.00			8	\$1,880.00
1	4					1	\$40.00					4	\$40.00
7 10.00	5					<u> </u>	\$40.00						\$40.00
1 10.00	6												
2	7							224	\$896.00			224	\$896.00
9 No. 10													
1													
20 1752 17	11							44	\$261.33			44	\$261.33
	12	2105.604		SQ YD	\$10.00								\$500.00
2	13					4690	\$2,345.00					4690	\$2,345.00
2 2002 2005 200	14				4000.00								
1													
1	17					1	\$100.00	1	\$100.00	1	\$100.00	3	\$300.00
20 2012 20	18					1		1		1			\$435.00
20	19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	1	\$200.00	1	\$200.00	1	\$200.00	3	\$600.00
20 200.054 Mag. PRIMADOR SAMPAGE CAPT 200.0	20					5	\$175.00					5	\$175.00
20 2015-05 CONCRET PROCESSED OF CASES 10.00	21												
25						7113	\$14,226.33					7113	\$14,226.33
20 2006.00 TOMAN POLICION STRUCKERS TRANSCRIPT 50.00 10.00	23				400.00	1423	\$3,556,58	1		1		1423	\$3,556.58
20 200.000 The FOR ST ST ST ST ST ST ST ST ST ST ST ST ST	25					1423	90,030.00					1923	40,000.00
27 20,000 THE PET ALL SHAPE COLLARIES (CLUB) TO N 1910 N 1910	26					859	\$81,596.91	4	\$378.55			863	\$81,975.46
20 200.0011 TORCH HOME POSTERS (APENTAL) 1.000	27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON				5					\$451.61
10 200.000 CONNECT FORMER STORM SEC. 1.300.00	28												
20 200.000 CONNECT TO COSTRES OWNERS NEED 1 1 1 1 1 1 1 1 1	29												
20 200.003 PPR SENER					\$ 1jess100								
32 20.00.00 CONTROL CORRESPONDED DECIDIO S. 15.00.00 DECIDIO S. 15.00.00 DECIDIO	32												
Second Proceedings Second Secon	33												
28 28 28 28 28 28 28 28	34	2504.602	HYDRANT RESTORATION		\$2,500.00								
27 200.000 300.000 3 310.000 5 5 550.000 5 5 5 550.000 5 5 5 550.000 5 5 5 5 5 5 5 5 5	35	2504.602		EACH	\$1,500.00								
30 200-0682 NAN-TERROR DESCRIPTION 50-07 50-	36												
20 20 20 20 20 20 20 20	37												\$1,950.00
80 2508.02 CASTROL ASSIBILAT (PARTIEST TOP) EACH 51,200.00 8 9,000.00 9 42 2508.02 CASTROL ASSIBILAT (PARTIEST ASSIBLATION METAL										3	\$750.00	3	\$750.00
11 2008-20 CASTIMA ASSIBURY STORM RESONAN PASSO (1997) EACH \$1,000.00									en enn nn				20 200 00
22 250.502 CASTIMA ASSEMBLY GETORN RETURN RAZSO CAPP) EACH \$1.50.50	41								\$9,000.00			•	\$5,000.00
Main	42	2506.502		EACH	\$1,550.00								
Section Conference Confer	43												
## 2008/02 RICONSTRUCT FORMANDE STRUCTURE EACH \$2,000.00	44												
APT 2006.002 GROUT GATCH RABRO COMMINICE CUYD \$600.00													
Mail													
90 291-518 9 COORRETE VANK 90 FT \$13.50 9	48												
90 291-518 9 COORRETE VANK 90 FT \$13.50 9	49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
September Sept	50		6" CONCRETE WALK										
\$25 2531.584 4" CORDITET BURKENNY PARAMENT 50 YO 575.09	51												
\$6 2531-604 STORNETE WALLEY GUTTER \$0 YO \$97.50 \$0.251-605 \$0.251-	52												
55 259.1618 TRUNCATED DOMES SOFT \$95.00	53												
254.0622 MAIL BOX SUPPORT	55							1		1			
\$7 259.501 TRAFFIC CONTROL LIMP SUM \$3,000.00 0.03 \$90.00 0.03 \$90.00 1 \$3,000 257.502 STORM DRAIN NALET PROTICETION EACH \$165.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.503 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.504 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.504 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.504 SECHMENT CONTROL LOG TYPE WOOD PRIER LIN FT \$5.00 0 257.504 SECHMENT LOG LOG LOG ROW COUNTROL LOG TYPE WOOD PRIEM COUNTROL LOG TYPE LAWN COUNTR	56				400.00								
98 2573.622 STORM DRAIN PALET PROTECTION EACH \$160.00	57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00			0.10	\$300.00	0.03	\$90.00		\$3,000.00
2573.503 SEDMENT CONTROL LOG TYPE WOOD PIBER	58					6	\$375.00					6	\$375.00
81 2573-033 SILTEROCE, TYPE MS	59												
62 2573.501 STABILIZED CONSTRUCTION EXIT EACH \$1,200.00 58 \$2,210.00 5	60					l							
83 257-557 SCREENED TOPSOL BERROW CUYD \$45.00 64 2574-567 SCREENED TOPSOL BERROW CUYD \$45.00 65 2574-568 FERTILLEZ PER \$ (104-20) (SEEDING) POUND \$175 66 2575-564 SCO TYPE LAVIN PER \$ (22-5-10) (SOO) POUND \$1.75 66 2575-564 SCO TYPE LAVIN PER \$ (22-5-10) (SOO) POUND \$1.75 67 2575-558 SEED MATURE 22-111 (TEMPORARY SEEDING) POUND \$5.50 68 2575-568 SEED MATURE 22-151 (TEMPORARY SEEDING) POUND \$5.50 69 2575-569 SEED MATURE 22-151 (TEMPORARY SEEDING) POUND \$5.50 60 2575-5	62												
84 2574.508 FERTILIZER TYPE 3 (204-303) (SEEDING) POLIND \$1.75 855 2274.508 FERTILIZER TYPE 3 (204-304) (SEEDING) POLIND \$1.75 856 2274.508 FERTILIZER TYPE 3 (204-304) (SEED) POLIND \$1.75 857 2275.508 SEED MATURE 22-111 (TEMPORARY SEEDING) POLIND \$1.75 858 2275.508 SEED MATURE 22-111 (TEMPORARY SEEDING) POLIND \$5.50 808 2275.508 SEED MATURE 22-111 (TEMPORARY SEEDING) POLIND \$5.50 808 2275.508 HOTOBALLIC REINFORCED FEER MATRIX POLIND \$3.50 809 2275.508 HOTOBALLIC REINFORCED FEER MATRIX POLIND \$3.50 71 2275.503 SEEDING ACRE SEEDING ACRE SEEDING POLIND \$450.00 72 2575.503 SEEDING ACRE SEEDING ACRE SEEDING POLIND \$450.00 73 2575.503 SEEDING ACRE SEEDING ACRE SEEDING POLIND \$450.00 74 2575.503 SEEDING ACRE SEEDING ACRE SEEDING POLIND \$450.00 75 2582.503 SEEDING ACRE SEEDING ACRE SEEDING TOTAL SEEDING SEEDI	63					58	\$2,610.00					58	\$2,610.00
85 2574-588 FERTILIZER TYPES (223-10)(900) POUNO \$1.75 86 2575-589 SEED MIXTURE 22-111 (TEMPORARY SEEDING) POUNO \$5.59 87 2575-589 SEED MIXTURE 22-111 (TEMPORARY SEEDING) POUNO \$5.59 88 2575-589 SEED MIXTURE 22-111 (TEMPORARY SEEDING) POUNO \$7.00 13 \$92.40 13 \$92.40 14 \$90.20 15 \$90.80 16 \$2575-589 17 2575-589 18 \$90.80 19 \$450.00 10 \$450.0	64							1		1			\$11.55
275 2575 2	65	2574.508		POUND	\$1.75								
88 2575.588 SEED MATURE 25-151 POUND \$7.00 13 \$82.40	66				411100								
89 2575.508 HYDRAULIC REINFORCED FIBER MATRIX POUND \$3.50 231 \$808.50 10 \$450.00 10 \$450	67												
70 2575.03 WATER													
71 2575.605 SEEDING ACRE \$600.00 0.11 \$660.0	70							1		1			\$808.50 \$450.00
12 288.289 4*SOLDINE PAINT LNFT 50.85	71												\$66.00
173 2582-533 4*BROKEN LIKE PAINT LIN FT 50.85 1775 \$1,598.75 1775 \$1,598.75 1775 \$1,598.75 1775 \$1,598.75 1775 \$1,598.75 1775 \$1,598.75 1775 \$1,598.75 1775 \$1,598.75 1775 \$1,598.75 1775	72												
75 2582.503 4* DOUBLE SOLID LINE PAINT LIN FT 50.85 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 350 \$297.50 \$207.5	73	2582.503				1775	\$1,508.75					1775	\$1,508.75
ESTIMATED CONSTRUCTION COST: \$3,940,105.78 87% \$120,414.53 11% \$15,212.49 3% \$3,535.00 100% \$139,16 CONTINGENCIES (15%): \$591,015.87 \$18,082.18 \$2,281.87 \$530.25 \$20,67* SUBTOTAL: \$4,531,121.65 \$138,476.71 \$17,494.36 \$4,065.25 3.5% \$160,03 NRINGENERS, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%): \$1,132,780.41 \$34,619.18 \$4,373.59 \$1,016.31 \$40,000 \$1.0	74				70.00								
CONTINGENCIES (15%): \$991,015.87 \$18,082.18 \$2,281.87 \$530.25 \$20,87 \$UBTOTAL: \$4,531,121.85 \$138,476.71 \$17,494.36 \$4,065.25 3.53 \$160,03 \$10,000 \$1	75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	350	\$297.50	l	l .	l		350	\$297.50
CONTINGENCIES (15%): \$991,015.87 \$18,082.18 \$2,281.87 \$530.25 \$20,87 \$UBTOTAL: \$4,531,121.85 \$138,476.71 \$17,494.36 \$4,065.25 3.53 \$160,03 \$10,000 \$1	EST	MATED CONST	RUCTION COST:		\$3 940 105 78	27%	\$120 414 53	1104	\$15 212 49	20/	\$3 535 00	1009/	\$139,162.02
SUBTOTAL: \$4,531,121.65 \$138,476.71 \$17,494.36 \$4,065.25 3.53% \$160,03						3770		1170		376		100%	\$20,874.30
			•					-		-		3.53%	\$160,036.32
**STIMATED TOTAL PROJECT COST: \$5,663,902.06 \$173,095.89 \$21,867.95 \$5,081.56 \$200,04													\$40,009.08
	ESTI	MATED TOTAL	PROJECT COST:		\$5,663,902.06		\$173,095.89	-	\$21,867.95	-	\$5,081.56		\$200,045.40

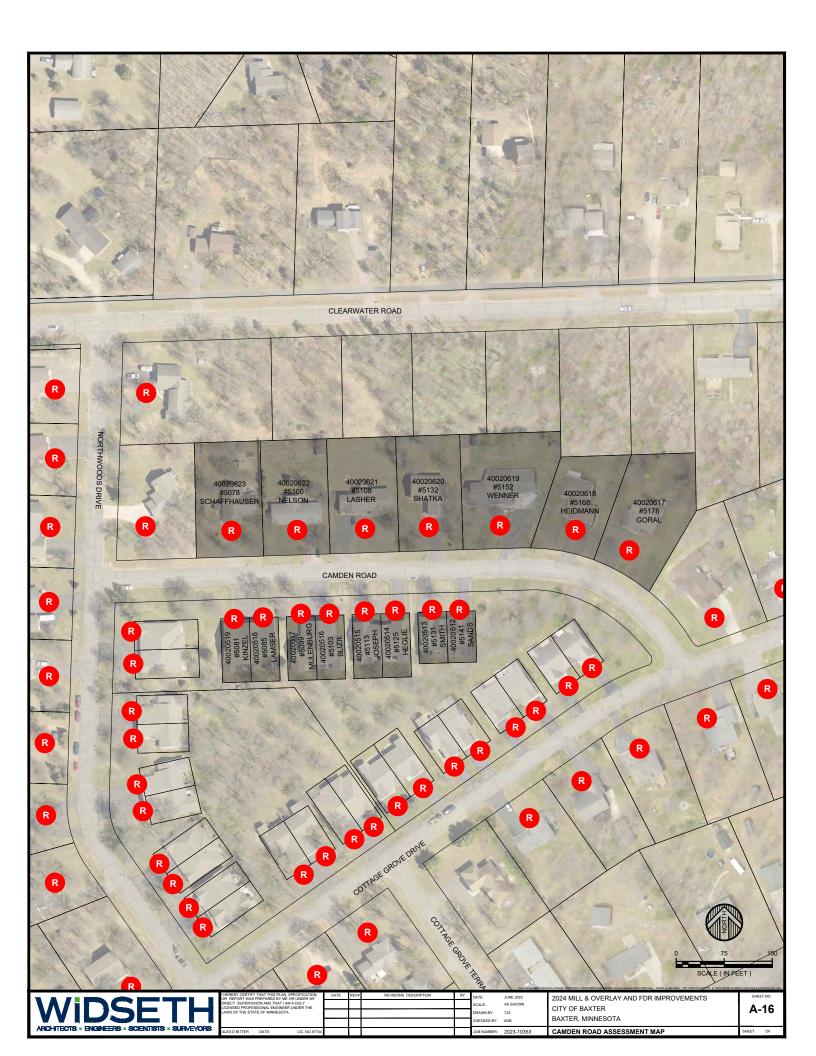


									OODS DRIVE			
ITEM					ASSESSABLE	ROADWAY	SANITARY	SEWER	WATE	ER	TOTAL PR	DJECT
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.88	\$8,800.00	0.08	\$800.00	0.04	\$400.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00			3	\$705.00			3	\$705.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00								
4	2104.502	REMOVE SIGN	EACH	\$40.00	2	\$80.00					2	\$80.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00								
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50								
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00			84	\$336.00			84	\$336.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00								
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00								
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00			16	\$98.00			16	\$98.00
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00					50	\$500.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50	2204	\$1,102.00					2204	\$1,102.00
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00								
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00								
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00								
17	2123.510	COMMON LABORERS	HOUR	\$100.00	1	\$100.00	1	\$100.00	1	\$100.00	3	\$300.00
18	2123.610	SKID LOADER	HOUR	\$145.00	1	\$145.00	1	\$145.00	1	\$145.00	3	\$435.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	1	\$200.00	1	\$200.00	1	\$200.00	3	\$600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	5	\$175.00	 	\$2.00.00	· '	\$200.00	5	\$175.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00		9170.00	†		 			¥1.10.00
22	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQYD	\$2.00	3343	\$6,685.47	†		 		3343	\$6,685.47
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00	3545	90,000.41	†		 		5545	40,000.47
24	2301.504	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50	669	\$1,671.37		1	1		669	\$1,671.37
24	2302.518	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$2.50 \$45.00	009	91,0/1.3/	1	 	1		969	@1,0/1.3/
26	2302.604	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$45.00 \$95.00	404	\$38,348.39		\$137.66			405	\$38,486.04
27		TYPE SP 12.5 NON-WEARING COURSE MIX (3,6)	TON	\$95.00	404	\$38,346.39	1					
	2360.509						2	\$164.22	ļ		2	\$164.22
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00								
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5,500.00								
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00								
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00								
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					4	\$1,300.00	4	\$1,300.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					2	\$500.00	2	\$500.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00								
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			3	\$3,600.00			3	\$3,600.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00								
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00								
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00								
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50								
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00								
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00								
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.88	\$2,640.00	0.08	\$240.00	0.04	\$120.00	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	13	\$750.00			1		13	\$750.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00		l			1			
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00		l		l	1			
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00					1			
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00					1			
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	27	\$1,215.00			1		27	\$1,215.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	3	\$5.25	1		1		3	\$5.25
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75			1		1			
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50			1		1			
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50								
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	6	\$42.00	1		<u> </u>		6	\$42.00
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	105	\$367.50	†		 		105	\$367.50
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00	†		 		10	\$450.00
71	2575.605	SEEDING	ACRE	\$45.00	0.05	\$450.00	l		1		0.05	\$30.00
72	25/5.605	4" SOLID LINE PAINT	LIN FT	\$0.85	0.00	\$30.00	†		 		0.00	\$30.00
72	2582.503 2582.503	4" SOLID LINE PAINT 4" BROKEN LINE PAINT	LIN FT	\$0.85 \$0.85	720	\$612.00		1	1		720	\$612.00
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85	120	72.2.00	1		<u> </u>		/==	
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	350	\$297.50	†		 		350	\$297.50
, 0	2002.003		CAFI	40.00	300	QL37.00	1	1	1	1	300	QL37.00
EST	IMATED CONST	TRUCTION COST:		\$3,940,105.78	87%	\$64,216.47	9%	\$6.525.88	4%	\$2,765.00	100%	\$73,507.35
	ITINGENCIES (1			\$591,015.87	37.70	\$9.632.47	370	\$978.88	470	\$414.75	130 %	\$11,026,10
	TOTAL:	. ,		\$4,531,121.65		\$73,848.94	_	\$7,504.76	-	\$3.179.75	1.87%	
		SAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780,41		\$18,462.24		\$1,876.19		\$794.94	1.07 /0	\$21,133.36
2.40	, LLC	,		, . DE, . OO		\$10,70L.E4	=	ψ1,010.13	=	4.04.04		JE 1,100.00

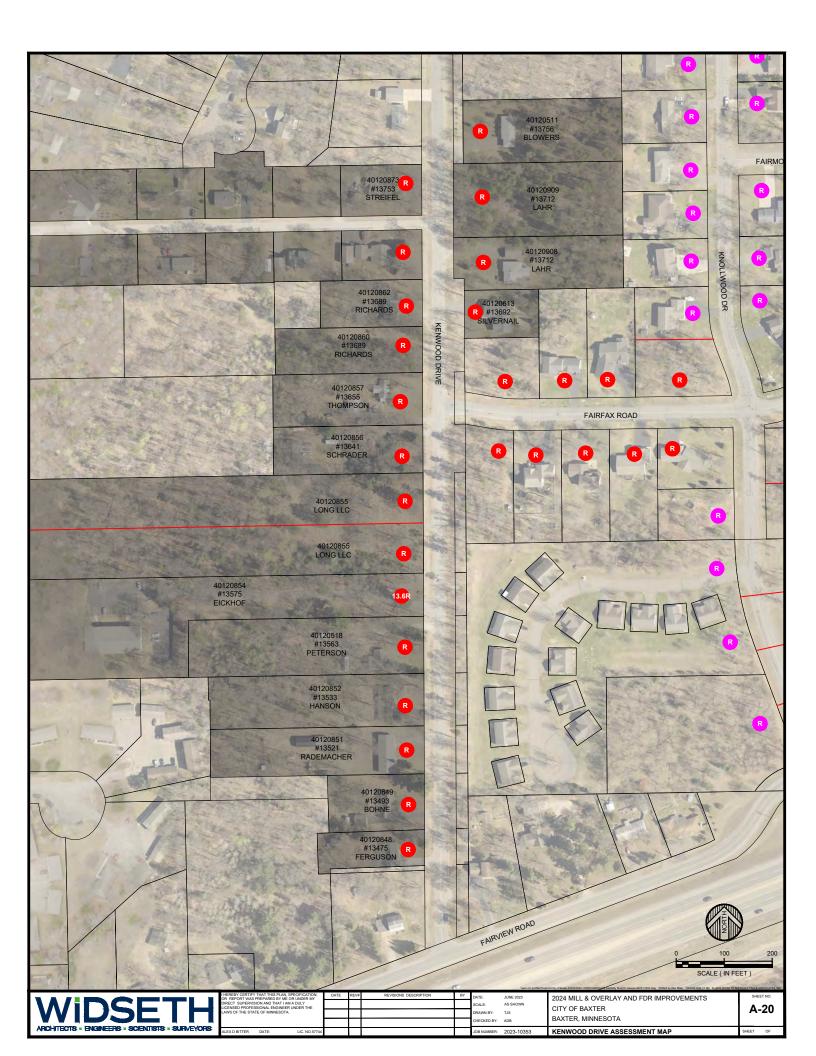
ESTIMATED CONSTRUCTION COST:	\$3,940,105.78	87%	\$64,216.47	9%	\$6,525.88	4%	\$2,765.00	100%	\$73,507.35
CONTINGENCIES (15%):	\$591,015.87		\$9,632.47		\$978.88		\$414.75		\$11,026.10
SUBTOTAL:	\$4,531,121.65		\$73,848.94	-	\$7,504.76		\$3,179.75	1.87%	\$84,533.45
ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%):	\$1,132,780.41		\$18,462.24		\$1,876.19		\$794.94		\$21,133.36
ESTIMATED TOTAL PROJECT COST:	\$5,663,902.06		\$92,311.18	=	\$9,380.95		\$3,974.69	•	\$105,666.81



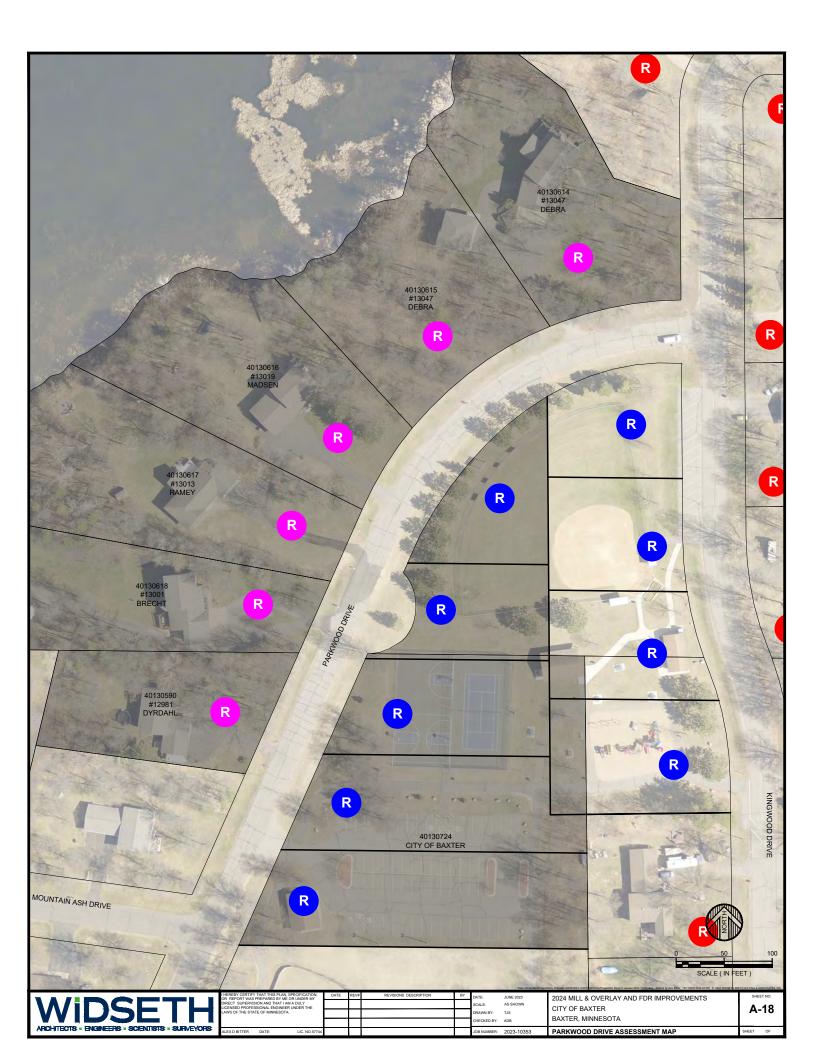
								CAMP	EN ROAD			
					ASSESSABLE	ROADWAY	SANITARY		EN ROAD WATE	R	TOTAL PRO	DJECT
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.87	\$8,700.00	0.11	\$1,100.00	0.02	\$200.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00			4	\$940.00			4	\$940.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00 \$40.00	2	\$80.00					2	\$80.00
5	2104.502	REMOVE SIGN REMOVE MAIL BOX SLIPPORT	EACH EACH	\$40.00 \$45.00	2	\$80.00					2	\$80.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50								
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00			112	\$448.00			112	\$448.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00								
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00								
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00			22	\$130.67			22	\$130.67
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	750	\$7,500.00					750	\$7,500.00
13 14	2112.603 2112.619	SHOULDER PREPARATION RECLAIMED AGGREGATE BASE PREPARATION	LIN FT ROAD STA	\$0.50 \$300.00	1980	\$990.00					1980	\$990.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00								
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00								
17	2123.510	COMMON LABORERS	HOUR	\$100.00	1	\$100.00	1	\$100.00	1	\$100.00	3	\$300.00
18	2123.610	SKID LOADER	HOUR	\$145.00	1	\$145.00	1	\$145.00	1	\$145.00	3	\$435.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	1	\$200.00	1	\$200.00	1	\$200.00	3	\$600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	10	\$350.00					10	\$350.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00								
22	2232.504	MILL BITUMINOUS SURFACE (2.0") CONCRETE PAYEMENT 8"	SQ YD	\$2.00 \$90.00	3003	\$6,006.00	 				3003	\$6,006.00
23 24	2301.504 2302.518	CONCRETE PAVEMENT 8" SPOT FULL DEPTH REPAIR	SQ YD SQ FT	\$90.00 \$2.50	601	P1 E01 E0	 				804	84 804 80
24	2302.518	SPOT FULL DEPTH REPAIR BITUMINOUS DRIVEWAY REPLACEMENT	SQ FT SQ YD	\$2.50 \$45.00	601	\$1,501.50	1				601	\$1,501.50
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	363	\$34,448.16	2	\$189.28			365	\$34,637.44
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00		***********	3	\$225.80			3	\$225.80
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00					İ			
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33 34	2504.502 2504.602	HYDRANT HYDRANT RESTORATION	EACH EACH	\$5,500.00 \$2,500.00								
	2504.602 2504.602		EACH	\$2,500.00 \$1,500.00								
35 36	2504.602 2504.602	6" GATE VALVE REPLACEMENT WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$1,500.00 \$700.00								
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					1	\$325.00		\$325.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					1	\$250.00	1	\$250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00						\$250.00		\$250.50
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			4	\$4,800.00			4	\$4,800.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46 47	2506.602	RECONSTRUCT DRAINAGE STRUCTURE GROUT CATCH BASIN OR MANHOLE	EACH CU YD	\$2,000.00 \$600.00								
47	2506.602 2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$600.00 \$1.400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LINFT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQFT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00					İ			
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00			<u> </u>					
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50			,		,			
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00								
56 57	2540.602	MAIL BOX SUPPORT	EACH	\$125.00		00.07.7.7		4007.77	0	800	├	******
	2563.601 2564.518	TRAFFIC CONTROL SIGN PANELS TYPE C	LUMP SUM	\$3,000.00 \$60.00	0.87	\$2,610.00 \$750.00	0.11	\$330.00	0.02	\$60.00	13	\$3,000.00 \$750.00
58 59	2564.518 2573.502	SIGN PANELS TYPE C STORM DRAIN INLET PROTECTION	SQ FT EACH	\$60.00 \$165.00	13	\$100.00	 				13	\$/50.00
60	2573.502	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$165.00 \$5.00			1				\vdash	
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00								
62	2573.503	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00								
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	25	\$1,125.00					25	\$1,125.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	3	\$5.25					3	\$5.25
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75								
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50			,		,			-
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50								
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	6	\$42.00					6	\$42.00
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	105	\$367.50	1				105	\$367.50
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00	1				10	\$450.00
71 72	2575.605 2582.503	SEEDING 4" SOLID LINE PAINT	ACRE LIN FT	\$600.00 \$0.85	0.05	\$30.00	1				0.05	\$30.00
72	2582.503 2582.503	4" SOLID LINE PAIN I 4" BROKEN LINE PAINT	LINFT	\$0.85 \$0.85	290	\$246.50	1				290	\$246.50
74	2582.503	8" SOLID LINE PAINT	LINFT	\$0.85								
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	700	\$595.00					700	\$595.00
ESTI		RUCTION COST:		\$3,940,105.78 \$591,015.87	87%	\$66,241.91 \$9,936.29	11%	\$8,608.74 \$1,291.31	2%	\$1,280.00 \$192.00	100%	\$76,130.66 \$11,419.60
SUBT	TOTAL:			\$4,531,121.65		\$76,178.20	=	\$9,900.06	•	\$1,472.00	1.93%	\$87,550.26
		AL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		19,044.6		\$2,475.01		\$368.00		\$21,887.56
		PROJECT COST:		\$5,663,902.06		\$95,222.75	=	\$12,375.07	=	\$1,840.00	=	\$109,437.82
					_							



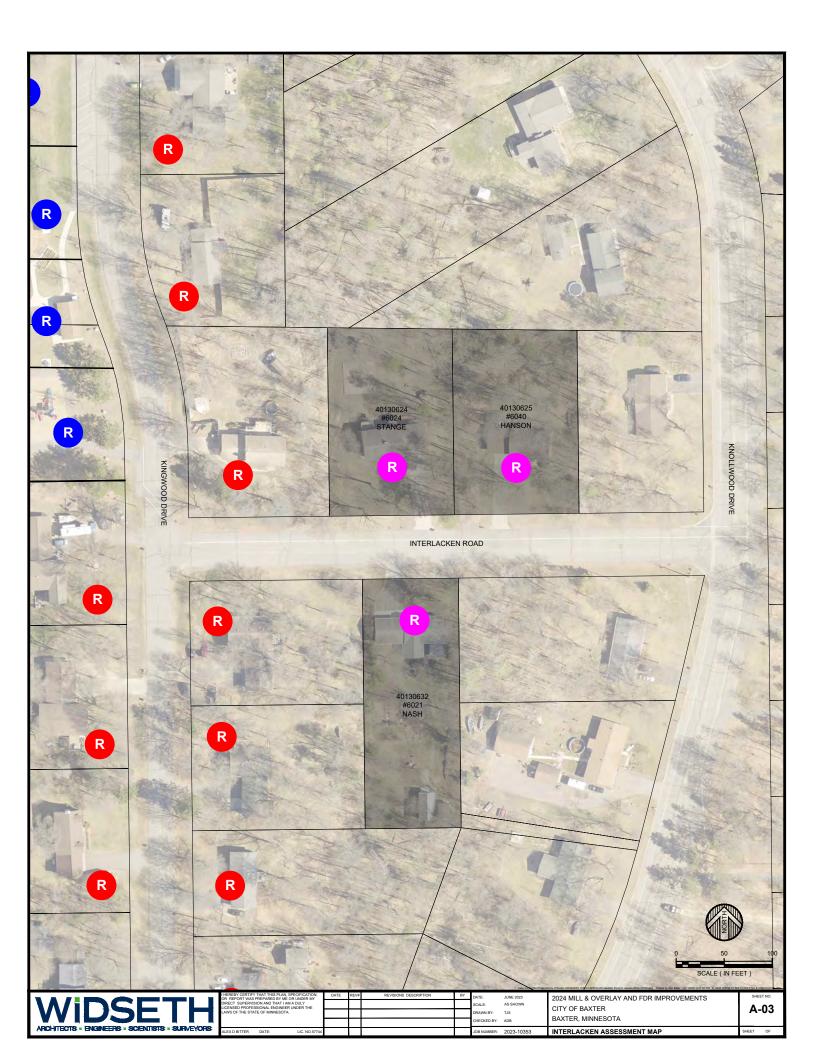
1 2021.501 MOBILIZATION LUMP SUM \$10,000.00 0.82 1 2 2104.502 REMOVE CASTING (SANTARY) EACH \$235.00 3 3 2104.502 REMOVE CASTING (STORM) EACH \$235.00 3 3 2104.502 REMOVE SURN EACH \$40.00 3 3 3 3 3 3 3 3 3		SANITARY SE SANITARY DE QUANTITY 0.10 0 108 33 1 1 1 1 1 1	### TOTAL COST \$1,000.00 \$1,410.00 \$672.00 \$196.00 \$100.00 \$145.00	OD DRIVE WATE ESTIMATED QUANTITY 0.08	TOTAL COST \$800.00	TOTAL PRO ESTIMATED QUANTITY 1 6 3 168 168 33 80 3292	TOTAL COST 10,000.00 \$1,410.00 \$1,410.00 \$120.00 \$120.00 \$170 \$190.00 \$190.00 \$190.00
	\$500.00 EST \$520.00 \$120.00 \$120.00 \$100.00 \$1	11MATED QUANTITY 0.10 0.10 108 108 33	\$1,000.00 \$1,410.00 \$1,410.00 \$672.00 \$196.00 \$100.00 \$145.00	ESTIMATED QUANTITY 0.08	TOTAL COST \$800.00	ESTIMATED QUANTITY 1 6 3 168 168 50	TOTAL COST \$10,000.00 \$1,410.00 \$120.00 \$672.00 \$196.00 \$590.00
2 2104.502 REMOVE CASTING (SANTARY) EACH \$235.00 3 2104.502 REMOVE CASTING (SANTARY) EACH \$235.00 3 2104.502 REMOVE CASTING (STORM) EACH \$235.00 5 2104.502 REMOVE SANTAR SANTARY EACH \$255.00 5 2104.502 REMOVE SANTARY EACH \$255.00 5 2104.503 SANVING CONCRETE PAVEMENT (FULL DEPTH) LIN FT \$4.00 7 2104.503 SANVING GONGRETE PAVEMENT FULL DEPTH) LIN FT \$4.00 9 2104.503 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.503 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.503 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.505 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.505 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.505 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.505 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.505 REMOVE SERVE PIPE (BANTARY) LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER LIN FT \$4.00 9 2104.504 REMOVE CURB & GUTTER REMO	\$120.00 \$550.00 \$1,646.00 \$10.00 \$10.00 \$10.00 \$155.00 \$20.00 \$175.00 \$2,466.43	108	\$1,410.00 \$672.00 \$196.00 \$100.00 \$145.00			168 168 3 3 33 50	\$1,410.00 \$120.00 \$672.00 \$196.00 \$500.00
3 2104.502 REMOVE CASTING (STORM) EACH \$235.00	\$500.00 \$1,646.00 \$1,646.00 \$1,646.00 \$1,646.00 \$300.00 \$175.00 \$0,985.73 \$2,496.43	168	\$672.00 \$198.00 \$100.00 \$145.00	1		3 168 168	\$120.00 \$672.00 \$196.00 \$500.00
2104.502 REMOVE SIGN EACH \$60.00 5	\$500.00 \$1,646.00 \$1,646.00 \$1,646.00 \$1,646.00 \$300.00 \$175.00 \$0,985.73 \$2,496.43	1 1	\$196.00 \$100.00 \$145.00	1		168 33 50	\$672.00 \$196.00 \$500.00
50	\$500.00 \$1,646.00 \$1,646.00 \$1,646.00 \$1,646.00 \$300.00 \$175.00 \$0,985.73 \$2,496.43	1 1	\$196.00 \$100.00 \$145.00	1		168 33 50	\$672.00 \$196.00 \$500.00
10	\$1,646.00 \$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1	\$196.00 \$100.00 \$145.00	1		33 50	\$196.00 \$500.00
7 2104.503 SANING BITLINNOUS PREVIEWET FULL DEPTH) LINFT \$4.00	\$1,646.00 \$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1	\$196.00 \$100.00 \$145.00	1		33 50	\$196.00 \$500.00
8 2104.503 REMOVE SEWER PIPE (SANTARY) LEWFT \$15.00 9 2104.503 REMOVE CEWER PIPE (SANTARY) LEWFT \$15.00 10 2104.504 REMOVE CORREST PAVEMENT LEWFT \$4.00 11 2104.504 REMOVE CORREST PAVEMENT SO YO \$10.00 12 2105.004 REMOVE CORREST PAVEMENT SO YO \$6.00 12 2105.004 REMOVE SEVEN PAVEMENT SO YO \$6.00 13 2112.003 SHOULDER PREPARATION LEWFT \$0.00 13 2112.003 SHOULDER PREPARATION LEWFT \$95.00 15 2105.007 RECLAMANG OAGREGATE BASE PREPARATION ROUS \$14.00 16 2105.007 EXCAVATION SPECIAL CUYO \$16.00 17 2123.010 COMMON LAURGRES HOURS HOURS STANTARY ROUS \$10.00 18 2123.010 SHOULDER PREPARATION LOUYO \$16.00 19 2123.010 SHOULDER PREPARATION HOUR \$14.00 11 2123.010 SHOULDER PREPARATION LOUYO \$15.00 11 2123.010 SHOULDER PROCESSED PREPARATION HOUR \$14.00 11 2123.010 SHOULDER PREPARATION LOUYO \$15.00 11 2123.010 SHOULDER PREPARATION LOUYO \$15.00 11 2123.010 SHOULDER PREPARATION LOUYO \$15.00 11 2123.010 SHOULDER PREPARATION HOUR \$14.50 11 2125.010 SHOULDER PREPARATION HOUR \$14.50 12 211.007 AGGREGATE BASE SPECICUL (V) CUYO \$35.00 12 211.007 AGGREGATE BASE SPECICUL (V) CUYO \$35.00 13 2121.007 AGGREGATE BASE SPECICUL (V) CUYO \$35.00 14 2123.010 SHOULDER PREPARATION SO YO \$2.00 14 200.2516 SPOT FULL DEPTH REPAIR SO YO \$50.00 14 200.2516 SPOT FULL DEPTH REPAIR SO YO \$60.00 15 YIVE \$15.00 SHOULDER MX (X) CUYO \$15.00 14 200.2516 SPOT FULL DEPTH REPAIR SO YO \$60.00 15 YIVE \$15.00 SHOULDER MX (X) CUYO \$15.00 16 YIVE \$15.00 SHOULDER MX (X) CUYO \$15.00 17 YIVE \$15.00 SHOULDER MX (X) CUYO \$15.00 18 200.000 HUNT STANTARY SO YO \$60.00 19 21 200.000 SHOULDER MX (X) CUYO \$15.00 19 212.000 SHOULDER MX (X)	\$1,646.00 \$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1	\$196.00 \$100.00 \$145.00	1		33 50	\$196.00 \$500.00
9 2104.502 REMOVE CURB & GUTTER LINFT \$4.00 10 2104.504 REMOVE CORRETE PAVEMENT \$9.070 \$10.00 11 2104.504 REMOVE CORRETE PAVEMENT \$9.070 \$10.00 11 2105.504 REMOVE CURB & GUTTER \$9.070 \$10.00 12 2105.504 REMOVE DITUMNOUS PAVEMENT \$9.070 \$10.00 13 2112.203 \$100.00E PERPARATION \$9.070 \$10.00 16 2105.607 CECLAMED AGGREGATE BASE REPARATION ROAD \$1.00 16 2105.607 CECLAMED AGGREGATE BASE REPARATION \$0.00 \$10.00 17 2123.510 CECLAMED AGGREGATE BASE REPARATION \$10.00 \$10.00 18 2125.607 CECLAMED AGGREGATE BASE REPARATION \$10.00 \$10.00 19 2123.610 COMMON LAGGREGATE BASE REPOLA \$10.00 \$10.00 19 2123.610 SOULADER \$10.00 \$10.00 19 2123.610 STREET SWEEPER (WITH PICKUP BROOM AND WATER) HOUR \$14.00 10 2211.007 STREET SWEEPER (WITH PICKUP BROOM AND WATER) HOUR \$15.00 11 \$10.00 12 211.007 AGGREGATE BASE SPECICLA \$(V)\$ \$10.00 12 211.007 AGGREGATE BASE SPECICLA \$(V)\$ \$10.00 12 212.504 MILL BITUMNOUS SURFACE \$(2.07)\$ \$9.070 \$2.00 12 212.504 MILL BITUMNOUS SURFACE \$(2.07)\$ \$9.070 \$2.00 13 \$9.070 \$1.00 14 20.00 15 \$9.070 \$1.00 16 \$1.00 17 \$1.00 18 \$1.00 19	\$1,646.00 \$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1	\$100.00 \$145.00	1		50	\$500.00
10	\$1,646.00 \$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1	\$100.00 \$145.00	1		50	\$500.00
22 2105.094 DITCHEXCATION SO YO \$10.00 50	\$1,646.00 \$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1	\$100.00 \$145.00	1		50	\$500.00
31 2112.003 SPOLIUGER REGNARTION LINFT \$0.50 3392 1	\$1,646.00 \$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1 1 1	\$145.00	1			
2112.819 RECLAMED AGGREGATE BASE PREPARATION ROAD STA \$500.00	\$100.00 \$145.00 \$200.00 \$175.00 \$9,985.73	1 1 1 1	\$145.00	1		3292	\$1,646.00
15	\$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1 1 1	\$145.00	1			
16	\$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1 1	\$145.00	1			
17	\$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1 1	\$145.00	1			
18	\$145.00 \$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1 1	\$145.00	1			
19	\$200.00 \$175.00 \$9,985.73 \$2,496.43	1 1			\$100.00	3	\$300.00
2211-07	\$175.00 \$9,985.73 \$2,496.43	1		1	\$145.00	3	\$435.00
21 2215.964 FALL DEPTH RECLAMATION SQ YO \$2.00 4983 : 22 223.564 MILL BITUMINOUS SURFACE (20') SQ YO \$Q YO \$2.00 4983 : 23 290.594 CONNERTE PAVEMENT E" SQ YO \$80.00 980.00 24 292.518 SD FT FUL DEPTH REPAIR SQ FT \$2.50 999 : 25 292.044 BITUMINOUS ROWEWAY REFLACEMENT SQ YO \$86.00 99 : 28 290.590 TYPE SP 9.5 WEARING COURSE MIX (3.C) TON \$55.00 603 \$ 27 290.590 TYPE SP 12.5 NOW-WEARING COURSE MIX (3.B) TON \$86.00 HINTER 28 203.030 TYPE SP 12.5 NOW-WEARING COURSE MIX (3.B) HINTER TON \$65.00 HINTER	\$9,985.73 \$2,496.43		\$200.00	1	\$200.00	3	\$600.00
22 2232.04	\$2,496.43	1				5	\$175.00
201 594 CONCRETE PAYEMENT IF SQ YO \$80.00	\$2,496.43					4000	40.005.75
24 2022518 SDOTFILL DEPTHERPAIR SOFT \$2.50 999 1 25 2022604 BITURINOUS DRIVEWAY REPLACEMENT SO TO \$45.00 26 2002009 TYPE 9P 5 WELFARING COLURSE MIX (3.C) TON \$60.00 603 \$ 27 2000.000 TYPE 9P 5 WELFARING COLURSE MIX (3.C) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 27 2000.000 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 28 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 29 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.00 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.000 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.000 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TON \$60.000 603 \$ 20 200.000 12 TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TYPE 9P 25 NOW-WELFARING COLURSE MIX (3.B) TYPE 9P 25						4993	\$9,985.73
25 2302.804 BITUMINOUS DRIVEWAY REPLACEMENT SQ YO \$45.00 26 2300.509 TYPE SP 95 WEARING COURSE MIX (3.C) TON \$85.00 603 \$ 27 2380.509 TYPE SP 125 NON-WEARING COURSE MIX (3.8) TON \$85.00 \$ 28 2203.509 12° RC PIPE SEVER DESIGN 300G CLASS Y LIMFT \$75.00						999	\$2,496.43
28 2280.200 TYPE SP 9.5 WEARING COURSE MX (3,C) TON \$56.00 603 \$ 27 2280.500 TYPE SP 12.5 MOLWHARAING COURSE MX (3,0) TON \$60.00 \$ 28 250.300 12 PC PDF EXERCE PSE(AN 500 CASS V LINFT \$75.00	\$57,274.42					999	92,400.43
27 2390.509 TYPE SP 12.5 NON-WEARING COURSE MIX (3,B) TON \$85.00 28 2503.503 12" RC PIPE SEWER DESIGN 3006 CLASS V LIN FT \$75.00		3	\$283.91			606	\$57.558.34
28 2503.503 12* RC PIPE SEWER DESIGN 3006 CLASS V LIN FT \$75.00	1 -	4	\$338.70			4	\$338.70
		-					
29 2503.601 TRACER WIRE SYSTEM (SANITARY) LUMP SUM \$500.00							
30 2503.602 CONNECT TO EXISTING STORM SEWER EACH \$1,300.00							
31 2503.602 CONNECT TO EXISTING SANITAY SEWER EACH \$1,850.00							
32 2503.603 8" PIPE SEWER LIN FT \$85.00							
33 2504.502 HYDRANT EACH \$5,500.00							
34 2504.602 HYDRANT RESTORATION EACH \$2,500.00							
35 2504.602 6" GATE VALVE REPLACEMENT EACH \$1,500.00							
36 2504.602 WATERMAIN EXPLORATORY EXCAVATION HOUR \$700.00				4	\$2,800.00	4	\$2,800.00
37 2504.602 ADJUST VALVE BOX EACH \$325.00				6	\$1,950.00	6	\$1,950.00
38 2504.602 VALVE BOX MID SECTION EACH \$250.00				3	\$750.00	3	\$750.00
39 2504.602 WATERMAIN TEE EACH \$6,500.00				1	\$6,500.00	1	\$6,500.00
40 2506.502 CASTING ASSEMBLY (SANITARY 700-7) EACH \$1,200.00		6	\$7,200.00			6	\$7,200.00
41 2508.502 CASTING ASSEMBLY (STORM 700-7) EACH \$1,200.00							
42 2506.502 CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP) EACH \$1,550.00 43 2506.502 CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP) EACH \$1,300.00						-	
44 2506.503 CONSTRUCT DRAINAGE STRUCTURE 48-4020 LIN FT \$1,000.00 45 2506.503 CONSTRUCT DRAINAGE STRUCTURE DESIGN H LIN FT \$500.00							
46 2506.602 RECONSTRUCT DRAINAGE STRUCTURE EACH \$2,000.00							
47 2506.602 GROUT CATCH BASIN OR MANHOLE CLYD \$800.00							-
48 2506.603 CONSTRUCT OUTSIDE DROP LIN FT \$1,400.00							
49 2506.603 SANITARY MANHOLE EXCESS DEPTH LIN FT \$500.00							
50 2521.518 6" CONCRETE WALK SQ FT \$17.50							-
51 2521.518 3" BITUMINOUS WALK SQ FT \$3.50							
52 2531.503 CONCRETE CURB & GUTTER DESIGN B824 LIN FT \$24.00							
53 2531.504 6" CONCRETE DRIVEWAY PAVEMENT SQ YD \$75.00							
54 2531.604 8" CONCRETE VALLEY GUTTER SQ YD \$97.50							
55 2531.618 TRUNCATED DOMES SQ.FT \$85.00							
56 2540.602 MAIL BOX SUPPORT EACH \$125.00							
	\$2,460.00 \$1,050.00	0.10	\$300.00	0.08	\$240.00	1 18	\$3,000.00
58 2564.518 SIGN PANELS TYPE C SQ FT \$60.00 18 1 59 2573.502 STORM DRAIN INLET PROTECTION EACH \$165.00	\$1,050.00					18	\$1,050.00
59 2573.502 STORM DRAIN INLET PROTECTION EACH \$165.00 60 2573.503 SEDIMENT CONTROL LOG TYPE WOOD FIBER LIN FT \$5.00						—	
60 25/3.503 SEDIMENT CONTROL LOG TYPE WOOD FIBER LINFT \$5.00 61 2573.503 SILT FENCE, TYPE MS LIN FT \$4.00	-					 	
01 2573-503 SILI FERUE, I TPE MS LINFI \$4.00 62 2573-501 STABILIZED CONSTRUCTION EXIT EACH \$1.200.00						l	
	\$1,845.00					41	\$1,845.00
64 2574-508 FERTILIZER TYPE 3 (10-10-20) (SEEDING) POUND \$1.75 5	\$8.40					5	\$8.40
65 2574.508 FERTILIZER TYPE 3 (22-5-10) (SOD) POUND \$1.75							
66 2575.504 SOD TYPE LAWN SQ YD \$17.50							
67 2575.508 SEED MIXTURE 22-111 (TEMPORARY SEEDING) POUND \$5.50							
68 2575.508 SEED MIXTURE 25-151 POUND \$7.00 10	\$67.20					10	\$67.20
69 2575.508 HYDRAULIC REINFORCED FIBER MATRIX POUND \$3.50 168	\$588.00					168	\$588.00
	\$450.00					10	\$450.00
71 2575.605 SEEDING ACRE \$800.00 0.08	\$48.00					0.08	\$48.00
72 2582.503 4" SOLID LINE PAINT LIN FT \$0.85							
	\$1,054.00					1240	\$1,054.00
74 2582.503 8" SOLID LINE PAINT LIN FT \$0.85						ļ	
75 2582.503 4* DOUBLE SOLID LINE PAINT LIN FT \$0.85 350	\$297.50					350	\$297.50
ESTIMATED CONSTRUCTION COST: \$3,940,105,78 78% \$8	\$88,710.69	10%	\$11.845.62	12%	\$13 485 00	,	
	\$88,710.69 \$13,306.60	10%	\$11,845.62 \$1,776.84	12%	\$13,485.00 \$2,022.75	100%	\$114,041.31 \$17,106.20
	₩ 1J,JUU.UU	_	\$1,776.84	•	\$2,022.75	2.89%	\$17,106.20 \$131.147.50
	\$102 017 20				U1.100,010	2.05%	
	\$102,017.29 \$25,504.32						
\$1.	\$102,017.29 \$25,504.32 \$127,521.61	=	\$3,405.61 \$17,028.07	i	\$3,876.94 \$19,384.69	=	\$32,786.88 \$163,934.38



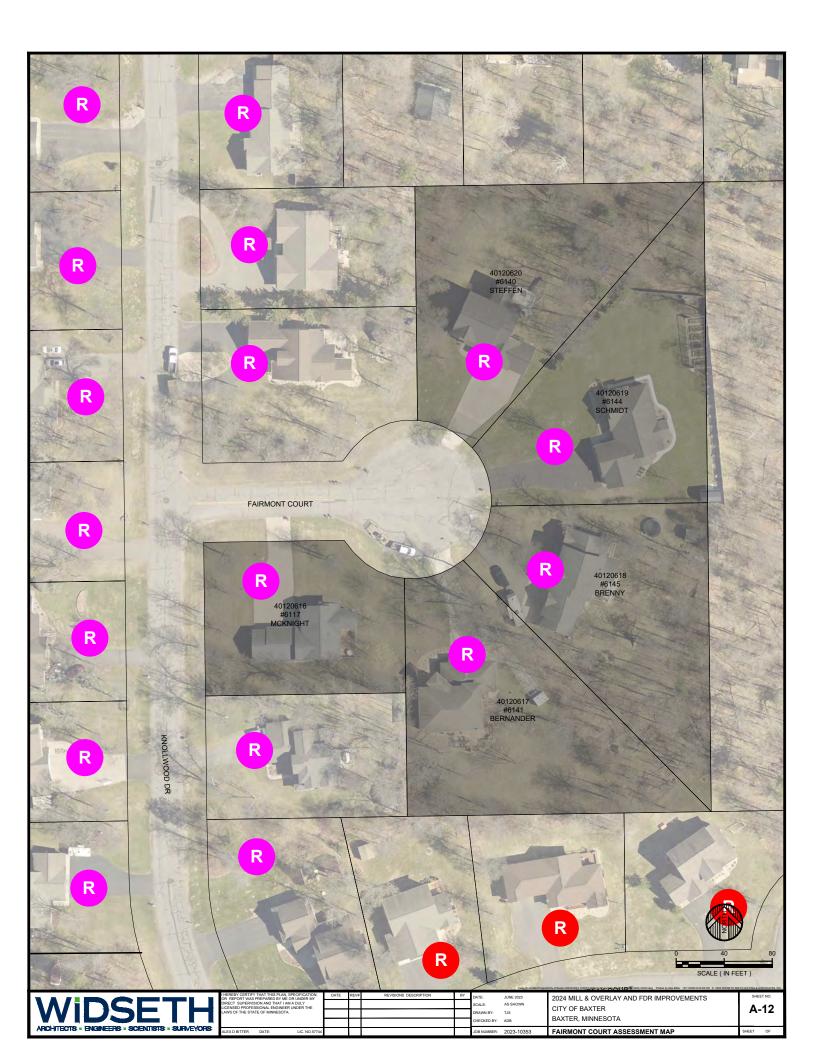
					RESIDENTIAL FOR			PARKW	OOD DRIVE			
TEM					ASSESSABLE F	ROADWAY	SANITARY	SEWER	WATE	R	TOTAL PR	DJECT
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COS
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.53	\$5,300.00	0.08	\$800.00	0.39	\$3,900.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00			3	\$705.00			3	\$705.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00								
4	2104.502	REMOVE SIGN	EACH	\$40.00 \$45.00	6	\$240.00					6	\$240.00
5 6	2104.502 2104.503	REMOVE MAIL BOX SUPPORT SAWING CONCRETE PAVEMENT (FULL DEPTH)	EACH LIN FT	\$45.00 \$7.50								
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LINFT	\$4.00			84	\$336.00			84	\$336.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00				,				*******
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00								
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00			16	\$98.00			16	\$98.00
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00					50	\$500.00
13 14	2112.603 2112.619	SHOULDER PREPARATION	LIN FT	\$0.50 \$300.00								
15	2112.619	RECLAIMED AGGREGATE BASE PREPARATION EXCAVATION SPECIAL	ROAD STA CU YD	\$16.00								
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00								
17	2123.510	COMMON LABORERS	HOUR	\$100.00	2	\$200.00	2	\$200.00	2	\$200.00	6	\$600.00
18	2123.610	SKID LOADER	HOUR	\$145.00	2	\$290.00	2	\$290.00	2	\$290.00	6	\$870.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	2	\$400.00	2	\$400.00	2	\$400.00	6	\$1,200.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00					12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00			 		ļ			
22 23	2232.504 2301.504	MILL BITUMINOUS SURFACE (2.0") CONCRETE PAVEMENT 8"	SQ YD SQ YD	\$2.00 \$90.00	2666	\$5,332.60					2666	\$5,332.60
23	2301.504	CONCRETE PAVEMENT 8" SPOT FILL DEPTH REPAIR	SQ YD SQ FT	\$90.00 \$2.50			1					
24 25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$2.50 \$45.00			l		1			
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	322	\$30,585.79	1	\$137.66			323	\$30,723.45
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00			2	\$164.22			2	\$164.22
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00								
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602 2503.603	CONNECT TO EXISTING SANITAY SEWER 8" PIPE SEWER	EACH	\$1,850.00 \$85.00								
32 33	2503.603 2504.502	8" PIPE SEWER HYDRANT	LIN FT EACH	\$85,000								
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00								
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00					4	\$2,800.00	4	\$2,800.00
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					1	\$325.00	1	\$325.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					1	\$250.00	1	\$250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00					4	\$26,000.00	4	\$26,000.00
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			3	\$3,600.00			3	\$3,600.00
41 42	2506.502 2506.502	CASTING ASSEMBLY (STORM 700-7) CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH EACH	\$1,200.00 \$1,550.00								
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00								
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50 51	2521.518 2521.518	6" CONCRETE WALK 3" BITUMINOUS WALK	SQ FT SQ FT	\$17.50 \$3.50								
52	2521.518	CONCRETE CURB & GUTTER DESIGN B824	LINFT	\$3.50 \$24.00			 		1			
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00			1		1			
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50			l					
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00		-		-				
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00			L					
57	2563.601 2564.518	TRAFFIC CONTROL	LUMP SUM	\$3,000.00 \$60.00	0.53	\$1,590.00	0.08	\$240.00	0.39	\$1,170.00	1	\$3,000.00
58 59	2564.518 2573.502	SIGN PANELS TYPE C STORM DRAIN INLET PROTECTION	SQ FT EACH	\$60.00 \$165.00	26	\$1,575.00	 		1		26	\$1,575.00
59 30	2573.502	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$165.00			1		1		—	
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00			1					
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00			1		1			
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	22	\$990.00	l				22	\$990.00
34	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	2	\$4.20		-			2	\$4.20
35	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75			L					
36	2575.504	SOD TYPE LAWN	SQ YD	\$17.50			1					
7 8	2575.508 2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING) SEED MIXTURE 25-151	POUND	\$5.50 \$7.00	5	\$33.60	 		-		5	\$33.60
38	2575.508 2575.508	SEED MIXTURE 25-151 HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$7.00 \$3.50	5 84	\$33.60 \$294.00	1		1		5 84	\$33.60 \$294.00
070	2575.523	WATER	MGAL	\$3.50 \$45.00	10	\$294.00	1		†		10	\$294.00
71	2575.605	SEEDING	ACRE	\$600.00	0.04	\$24.00	1		1		0.04	\$24.00
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85			l					
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	880	\$748.00					880	\$748.00
4	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85			ļ					
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85								
· C T /-	MATER CONC.	DUCTION COST.		\$2.040.105.70	54%	649 077 40	8%	\$6 970 88	39%	\$35 335 00		****
	MATED CONST TINGENCIES (1	RUCTION COST:		\$3,940,105.78 \$591,015.87	54%	\$48,977.19 \$7,346.58	8%	\$6,970.88 \$1,045.63	39%	\$35,335.00 \$5,300.25	100%	\$91,283.0 \$13,692.4
	TINGENCIES (1 FOTAL:	J 10 j.		\$591,015.87 \$4.531.121.65		\$7,346.58 \$56,323.77	_	\$1,045.63 \$8.016.51	_	\$5,300.25 \$40,635.25	2.32%	\$13,692.4 \$104.975.
		SAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1.132.780.41		\$14.080.94		\$2,004.13		\$10.158.81	2.32%	\$26,243.8
		PROJECT COST:		\$5,663,902.06		\$70,404.72	=	\$10,020.63	=	\$50,794.06		\$131,219.4



		11, 2023												
									INTERLAC					
ITEM					ASSESSABLE	ROADWAY	TRAI	L	SANITARY	SEWER	WATE	R	TOTAL PRO	DJECT
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10.000.00	0.63	\$6,300.00	0.23	\$2,300.00	0.03	\$300.00	0.11	\$1.100.00		\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00	0.05	\$0,000.00	0.25	\$2,550.00	1	\$235.00	0.11	\$1,100.00	1	\$235.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00										
4	2104.502	REMOVE SIGN	EACH	\$40.00	1	\$40.00							1	\$40.00
5	2104.502 2104.503	REMOVE MAIL BOX SUPPORT SAWING CONCRETE PAVEMENT (FULL DEPTH)	EACH LIN FT	\$45.00 \$7.50	3 30	\$135.00 \$225.00							3 30	\$135.00 \$225.00
7	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$7.50	85	\$229.00			28	\$112.00			113	\$452.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00										
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00										
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00	56	\$560.00			5	\$54.44			61	\$614.44
11	2104.504 2105.604	REMOVE BITUMINOUS PAVEMENT DITCH EXCAVTION	SQ YD SQ YD	\$6.00 \$10.00	32 50	\$192.00 \$500.00	 						32 50	\$192.00 \$500.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50	50	\$300.00							50	\$500.00
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	7	\$2,100.00							7	\$2,100.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	169	\$2,709.78	65	\$1,042.22					235	\$3,752.00
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00										
17	2123.510 2123.610	COMMON LABORERS SKID LOADER	HOUR	\$100.00 \$145.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	24 24	\$2,400.00 \$3,480.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	24	\$3,460.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00							12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	1829	\$3,658.20	704	\$1,407.00					2533	\$5,065.20
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQYD	\$2.00	-									
23 24	2301.504 2302.518	CONCRETE PAVEMENT 8" SPOT FULL DEPTH REPAIR	SQ YD SQ FT	\$90.00 \$2.50			-							
25	2302.518	BITUMINOUS DRIVEWAY REPLACEMENT	SQYD	\$2.50 \$45.00	32	\$1,440.00	1						32	\$1,440.00
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	166	\$15,736.55	85	\$8,070.02	0.45	\$43.02			251	\$23,849.59
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,8)	TON	\$85.00	221	\$18,773.43	85	\$7,220.55	1	\$51.32			306	\$26,045.29
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00										
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00										
30 31	2503.602 2503.602	CONNECT TO EXISTING STORM SEWER CONNECT TO EXISTING SANITAY SEWER	EACH EACH	\$1,300.00 \$1,850.00			 							
32	2503.603	8' PIPE SEWER	LIN FT	\$85.00										
33	2504.502	HYDRANT	EACH	\$5,500.00							1	\$5,500.00	1	\$5,500.00
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00							1	\$2,500.00	1	\$2,500.00
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00							1	\$1,500.00	1	\$1,500.00
36 37	2504.602 2504.602	WATERMAIN EXPLORATORY EXCAVATION ADJUST VALVE BOX	HOUR	\$700.00 \$325.00							4 2	\$2,800.00 \$650.00	4 2	\$2,800.00 \$650.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$325.00							1	\$650.00	1	\$650.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00							·	422-12		4
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00					1	\$1,200.00			1	\$1,200.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00										
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00										
43 44	2506.502 2506.503	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP) CONSTRUCT DRAINAGE STRUCTURE 48-4020	EACH LIN FT	\$1,300.00 \$1,000.00			-							
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LINFT	\$500.00										
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00										
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00					0.25	\$150.00			0	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00										
49	2505.603 2521.518	SANITARY MANHOLE EXCESS DEPTH 6" CONCRETE WALK	LIN FT SQ FT	\$500.00 \$17.50										
50 51	2521.518	3" BITUMINOUS WALK	SQFT	\$17.50										
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00										
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00	60	\$4,500.00							60	\$4,500.00
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50										
55 56	2531.618 2540.602	TRUNCATED DOMES MAIL BOX SUPPORT	SQ FT EACH	\$65.00 \$125.00	3	\$375.00	1						3	\$375.00
56 57	2540.602 2563.601	MAIL BOX SUPPORT TRAFFIC CONTROL	EACH LUMP SUM	\$125.00 \$3,000.00	0.63	\$375.00	0.23	\$690.00	0.03	\$90.00	0.11	\$330.00	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQFT	\$60.00	6	\$375.00				******		******	6	\$375.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00										
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00	100	\$500.00						•	100	\$500.00
61	2573.503	SILT FENCE, TYPE MS	LINFT	\$4.00	1		1						1	
62 63	2573.501 2574.507	STABILIZED CONSTRUCTION EXIT SCREENED TOPSOIL BORROW	EACH CU YD	\$1,200.00 \$45.00	50	\$1,200.00 \$2,250.00	1						1 50	\$1,200.00 \$2,250.00
64	2574.507	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$45.00	50	\$2,200.00	1						50	92,200.00
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75	250	\$437.50							250	\$437.50
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50	402	\$7,035.00							402	\$7,035.00
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50										
68 69	2575.508 2575.508	SEED MIXTURE 25-151 HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$7.00 \$3.50	-		1							
70	2575.508 2575.523	HYDRAULIC REINFORCED FIBER MATRIX WATER	POUND	\$3.50 \$45.00	10	\$450.00	1						10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00		¥								******
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85										
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	500	\$425.00	ļ						500	\$425.00
74 75	2582.503 2582.503	8" SOLID LINE PAINT 4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	500	\$425.00	1						500	\$425.00
/0	2002.003	4 DOUBLE SOLID LINE PAIN!	LINFI	\$0.00					l					
	MATED CONS	STRUCTION COST:		\$3,940,105.78	62%	\$75,662.45	19%		4%	\$4,905.78	14%	\$17,300.00	100%	\$121,268.03
										\$735.87		\$2,595.00		\$18,190.20
CON	TINGENCIES ((15%):		\$591,015.87		\$11,349.37	_	\$3,509.97	_					
CON	TINGENCIES (TOTAL:			\$4,531,121.65		\$87,011.82	-	\$26,909.76	-	\$5,641.65	-	\$19,895.00	3.08%	\$139,458.23
SUB ENG	TINGENCIES (TOTAL: INEERING, LE	(15%): GGAL, FINANCE, ADMIN AND OTHER COSTS (25%): J. PROJECT COST:					<u>.</u>		• •		<u> </u>		3.08%	



		T		1				FAIRM	ONT COURT		_	
ITEM	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ASSESSABLE		SANITARY		WATI		TOTAL PR	
NO.					ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.83	\$8,300.00	0.10	\$1,000.00	0.07	\$700.00	1	\$10,000.00
2	2104.502 2104.502	REMOVE CASTING (SANITARY) REMOVE CASTING (STORM)	EACH EACH	\$235.00 \$235.00			1	\$235.00			1	\$235.00
4	2104.502	REMOVE CASTING (STORM)	FACH	\$235.00	1	\$40.00					1	\$40.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00	5	\$225.00					5	\$225.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50	60	\$450.00					60	\$450.00
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00	40	\$160.00	28	\$112.00			68	\$272.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00								
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00	124	\$1,240.00					124	\$1,240.00
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00	85	\$510.00	5	\$32.67			90	\$542.67
12 13	2105.604 2112.603	DITCH EXCAVTION SHOULDER PREPARATION	SQ YD LIN FT	\$10.00 \$0.50	50	\$500.00					50	\$500.00
13	2112.603	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	3	\$900.00					3	\$900.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	107	\$1,717.54					107	\$1,717.54
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00	107	01,111.54					107	91,111.04
17	2123.510	COMMON LABORERS	HOUR	\$100.00	6	\$600.00	6	\$600.00	6	\$600.00	18	\$1,800.00
18	2123.610	SKID LOADER	HOUR	\$145.00	6	\$870.00	6	\$870.00	6	\$870.00	18	\$2,610.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	18	\$3,600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00					12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	828	\$1,656.20			L		828	\$1,656.20
22	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$2.00								
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00								
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50								
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00	85	\$3,825.00					85	\$3,825.00
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	75	\$7,124.51	0.45	\$43.02			75	\$7,167.52
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00	100	\$8,499.41	0.60	\$51.32			101	\$8,550.73
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00								
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5,500.00								
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00								
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00								
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					1	\$325.00	1	\$325.00
38	2504.602 2504.602	VALVE BOX MID SECTION WATERMAIN TEE	EACH EACH	\$250.00 \$6.500.00					1	\$250.00	1	\$250.00
39 40	2504.602 2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00				\$1,200.00			1	\$1,200.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7) CASTING ASSEMBLY (STORM 700-7)	FACH	\$1,200.00			1	\$1,200.00			1	\$1,200.00
42	2506.502	CASTING ASSEMBLY (STORM 1001) CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00			0.25	\$150.00			0	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00					1			
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00	110	\$8,250.00					110	\$8,250.00
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50								
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00					 			
56 57	2540.602	MAIL BOX SUPPORT	EACH LUMP SUM	\$125.00	5 0.83	\$625.00 \$2.490.00	0.10	\$300.00	0.07	\$210.00	5	\$625.00
57 58	2563.601 2564.518	TRAFFIC CONTROL SIGN PANELS TYPE C	LUMP SUM SQ FT	\$3,000.00 \$60.00	0.83	\$2,490.00 \$375.00	0.10	\$300.00	U.07	\$210.00	6	\$3,000.00 \$375.00
58 59	2564.518 2573.502	SIGN PANELS TYPE C STORM DRAIN INLET PROTECTION	SQ FT EACH	\$60.00 \$165.00	6	\$3/5.00		-		 	- 6	\$375.00
60	2573.502 2573.503		EACH LIN FT	\$165.00 \$5.00	400	\$500.00					400	\$500.00
60	2573.503 2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER SILT FENCE. TYPE MS	LIN FT	\$5.00 \$4.00	100	\$500.00	-				100	\$00.000
62	2573.503 2573.501	SILI FENCE, TYPE MS STABILIZED CONSTRUCTION EXIT	EACH	\$4.00 \$1,200.00			-					
63	2574.507	SCREENED TOPSOIL BORROW	CUYD	\$1,200.00	21	\$945.00					21	\$945.00
64	2574.507	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$45.00		95-0.00			l		- 21	₩-0.00
65	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	113	\$197.75					113	\$197.75
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50	182	\$3,185.00			1		182	\$3,185.00
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50			1		1			
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00								
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50								
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00					10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00								
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85								
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85								
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85					1			
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	130	\$110.50					130	\$110.50
	MATED CONST	TRUCTION COST: 15%):		\$3,940,105.78 \$591,015.87	85%	\$55,365.91 \$8,304.89	9%	\$5,794.00 \$869.10	6%	\$4,155.00 \$623.25	100%	\$65,314.91 \$9,797.24
	OTAL:			\$4,531,121.65		\$63,670.80	-	\$6,663.10	•	\$4,778.25	1.66%	\$75,112.15
		GAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		\$15,917.70		\$1,665.78		\$1,194.56	5070	\$18,778.04
		PROJECT COST:		\$5,663,902.06		\$79,588.49	=	\$8,328.88	i:	\$5,972.81		\$93,890.19
				, ,	_	,,		,		*-,		,

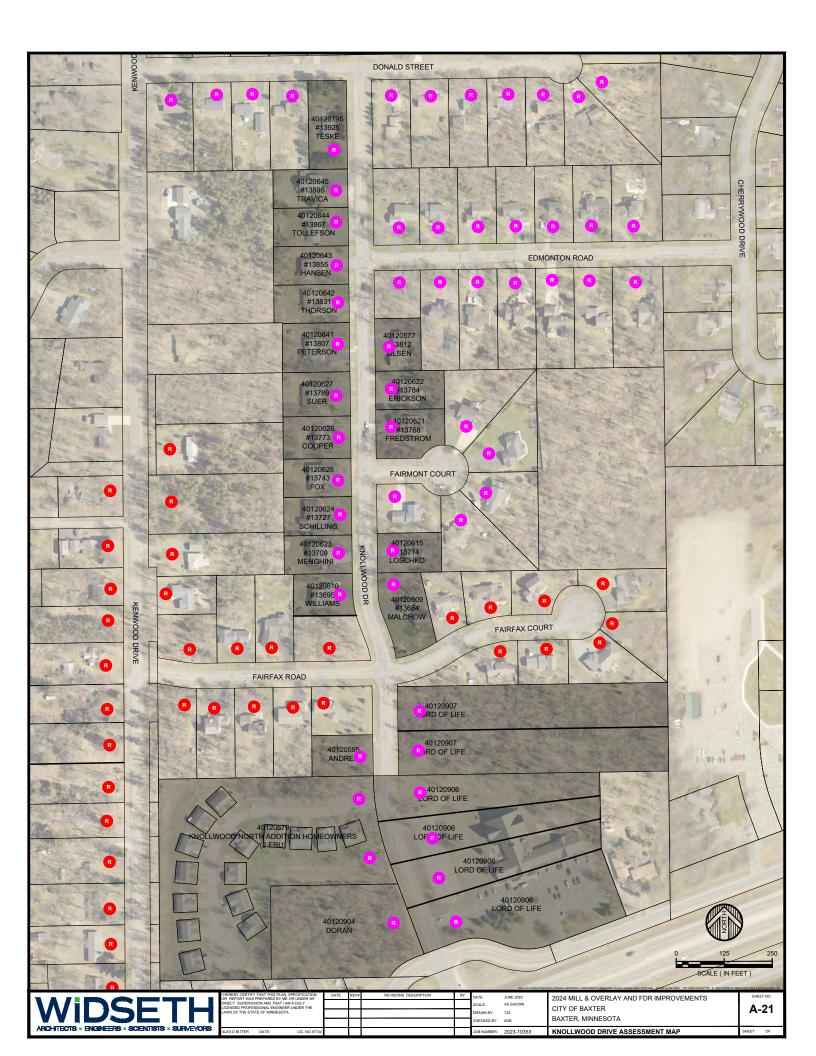


									NTON ROAD			
ITEM					ASSESSABLE	ROADWAY	SANITARY	SEWER	WATE	iR .	TOTAL PR	OJECT
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.93	\$9,282.00	0.05	\$471.00	0.02	\$247.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00	0.55	93,202.00	2	\$470.00	0.02	Q2-47.00	2	\$470.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00			_	*******				*
4	2104.502	REMOVE SIGN	EACH	\$40.00	2	\$80.00					2	\$80.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00	13	\$585.00					13	\$585.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50	45	\$337.50					45	\$337.50
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00	220	\$880.00	56	\$224.00			276	\$1,104.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00								
10	2104.503 2104.504	REMOVE CURB & GUTTER REMOVE CONCRETE PAVEMENT	LIN FT SQ YD	\$4.00 \$10.00	75	\$750.00					75	\$750.00
11	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00			11	405.00				
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	367 50	\$2,200.00 \$500.00	- 11	\$65.33			378 50	\$2,265.33 \$500.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50	30	\$300.00						\$500.00
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	10	\$3,000.00					10	\$3,000.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	280	\$4,480.00					280	\$4,480.00
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00								.,
17	2123.510	COMMON LABORERS	HOUR	\$100.00	6	\$600.00	6	\$600.00	6	\$600.00	18	\$1,800.00
18	2123.610	SKID LOADER	HOUR	\$145.00	6	\$870.00	6	\$870.00	6	\$870.00	18	\$2,610.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	18	\$3,600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00					12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	3024	\$6,048.00					3024	\$6,048.00
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00								
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00								
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50								
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00	367	\$16,500.00				-	367	\$16,500.00
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	274	\$26,016.80	1	\$94.64			275	\$26,111.43
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00	365	\$31,037.58	1	\$112.90			366	\$31,150.48
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00								
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5,500.00								
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00								
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00								
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					1	\$325.00	1	\$325.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					1	\$250.00	1	\$250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00								
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			2	\$2,400.00			2	\$2,400.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42	2506.502 2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP) CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,550.00 \$1,300.00								
44	2506.502	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020 CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$1,000.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00			0.25	\$150.00			0.25	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00			0.20	\$150.00			0.20	\$100.00
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQFT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00					i			
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00	75	\$5,625.00					75	\$5,625.00
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50								
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00								
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	13	\$1,625.00					13	\$1,625.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.93	\$2,784.60	0.05	\$141.30	0.02	\$74.10	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	13	\$750.00					13	\$750.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00								
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00	100	\$500.00					100	\$500.00
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00								
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	1	\$1,200.00					1	\$1,200.00
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	74	\$3,330.00					74	\$3,330.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75								
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75	412	\$721.00					412	\$721.00
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50	665	\$11,631.67					665	\$11,631.67
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50								
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00								
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50								
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00					10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00	0.05	\$30.00					0.05	\$30.00
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85	230	\$195.50					230	****
73	2582.503 2582.503	4" BROKEN LINE PAINT 8" SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	230	\$195.50					230	\$195.50
75	2582.503 2582.503	8" SOLID LINE PAINT 4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	700	\$595.00					700	\$595.00
/0	2002.003	* DOUBLE GOLD LINE PAINT	LINFI	90.00	700	\$050.00	1		1		700	4050.00
ESTI	MATED CONST	TRUCTION COST:		\$3,940,105.78	92 83%	\$134,224.64	4.70%	\$6,799.17	2.47%	\$3,566.10	100%	\$144,589.91
	TINGENCIES (\$591,015.87	22.00%	\$20,133.70	070	\$1,019.88	2.4770	\$534.92	10070	\$21,688,49
	TOTAL:			\$4,531,121.65		\$154,358.34	=	\$7,819.05	= :	\$4,101.02	3.67%	\$166,278.40
ENG	INEERING, LEC	GAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		\$38,589.58	=	\$1,954.76	=	\$1,025.25		\$41,569.60

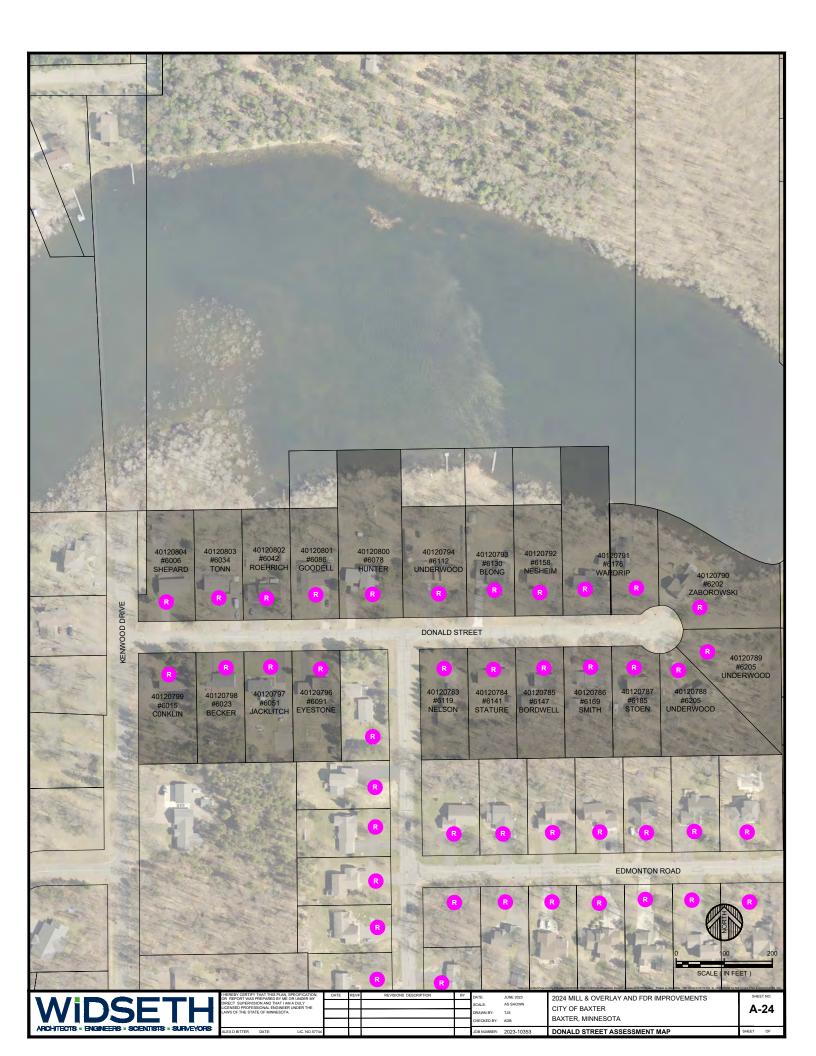
\$1,132,780.41 \$5,663,902.06 \$38,589.58 \$1,954.76 \$1,025.25 \$5,126.27 \$41,569.60



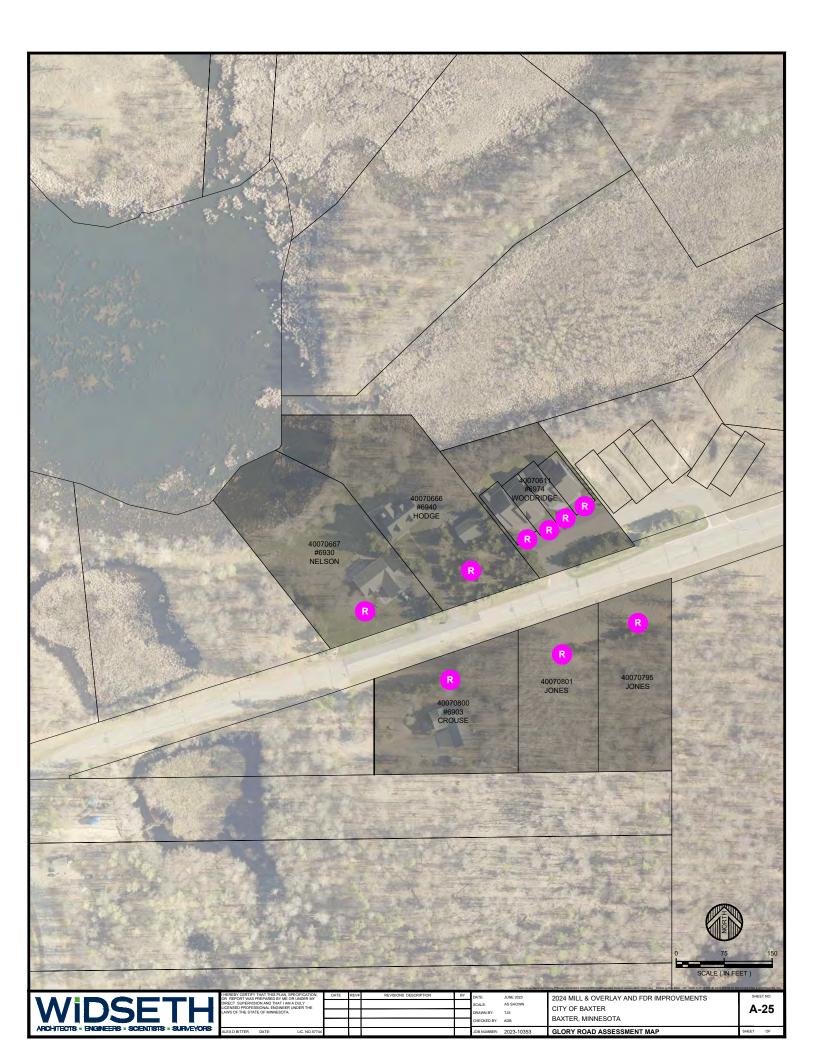
iud	ly, December 1	· · · · · · · · · · · · · · · · · · ·										
								KNOLL	WOOD DRIVE			
ITEM					ASSESSABLE	ROADWAY	SANITARY	SEWER	WATE	R	TOTAL PR	OJECT
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10.000.00	0.90	\$9.000.00	0.06	\$600.00	0.04	\$400.00	1	\$10.000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$10,000.00	0.90	\$9,000.00	11	\$2,585.00	0.04	\$400.00	11	\$2,585.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00				42,000.00				4-,
4	2104.502	REMOVE SIGN	EACH	\$40.00	3	\$120.00					3	\$120.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00	16	\$720.00					16	\$720.00
6	2104.503 2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$7.50 \$4.00			308					
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$4.00 \$15.00	458	\$1,832.00	308	\$1,232.00			766	\$3,064.00
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00								
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00	1018	\$6,108.00	60	\$359.33			1078	\$6,467.33
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00					50	\$500.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50								
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	24	\$7,200.00					24	\$7,200.00
15 16	2105.607 2105.607	EXCAVATION SPECIAL COMMON EXCAVATION	CU YD	\$16.00 \$15.00	972	\$15,549.33					972	\$15,549.33
17	2105.607	COMMON EXCAVATION COMMON LABORERS	HOUR	\$100.00	2	\$200.00	2	\$200.00	2	\$200.00	6	\$600.00
18	2123.610	SKID LOADER	HOUR	\$145.00	2	\$290.00	2	\$290.00	2	\$290.00	6	\$870.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	2	\$400.00	2	\$400.00	2	\$400.00	6	\$1,200.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00					12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	7140	\$14,280.00					7140	\$14,280.00
22	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$2.00								
23	2301.504	CONCRETE PAVEMENT 8*	SQ YD	\$90.00								
24 25	2302.518 2302.604	SPOT FULL DEPTH REPAIR BITUMINOUS DRIVEWAY REPLACEMENT	SQ FT SQ YD	\$2.50 \$45.00	777	404 075 00			_			404.075.0
26	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT TYPE SP 9.5 WEARING COURSE MIX (3.C)	SQ YD TON	\$45.00 \$95.00	775 647	\$34,875.00 \$61,428.54	5	\$516.21			775 652	\$34,875.00 \$61.944.75
27	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C) TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$95.00	862	\$61,428.54	7	\$615.83			869	\$73,899.00
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00			<u> </u>				303	,555.00
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00			1					
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5,500.00								
34 35	2504.602 2504.602	HYDRANT RESTORATION 6° GATE VALVE REPLACEMENT	EACH EACH	\$2,500.00 \$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$1,500.00					12	\$8,400.00	12	\$8,400.00
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					7	\$2,275.00	7	\$2,275.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					4	\$1,000.00	4	\$1,000.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00	3	\$19,500.00					3	\$19,500.00
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			11	\$13,200.00			11	\$13,200.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43 44	2506.502 2506.503	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP) CONSTRUCT DRAINAGE STRUCTURE 48-4020	EACH LIN FT	\$1,300.00 \$1,000.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020 CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$1,000.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2.000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00			0.25	\$150.00			0	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52 53	2531.503 2531.504	CONCRETE CURB & GUTTER DESIGN B624 6" CONCRETE DRIVEWAY PAVEMENT	LIN FT SQ YD	\$24.00 \$75.00	80	\$6,000.00					80	\$6,000.00
53	2531.604 2531.604	8" CONCRETE DRIVEWAY PAVEMENT 8" CONCRETE VALLEY GUTTER	SQ YD	\$75.00 \$97.50	80	\$6,000.00	1				80	\$6,000.00
55	2531.618	TRUNCATED DOMES	SQFT	\$65.00								
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	16	\$2,000.00					16	\$2,000.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.90	\$2,700.00	0.06	\$180.00	0.04	\$120.00	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	18	\$1,050.00					18	\$1,050.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00								
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00	100	\$500.00					100	\$500.00
61 62	2573.503 2573.501	SILT FENCE, TYPE MS STABILIZED CONSTRUCTION EXIT	LIN FT EACH	\$4.00 \$1,200.00		04.00-			-		 	******
62	2573.501 2574.507	STABILIZED CONSTRUCTION EXIT SCREENED TOPSOIL BORROW	EACH CU YD	\$1,200.00 \$45.00	1 49	\$1,200.00 \$2,205.00					1 49	\$1,200.00 \$2,205.00
64	2574.507 2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$45.00 \$1.75	49	\$2,205.00					49	\$2,205.00
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75	973	\$1,702.75					973	\$1,702.75
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50	1569	\$27,463.33	1				1569	\$27,463.33
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50								
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00								
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50								
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00					10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00					_			
72 73	2582.503 2582.503	4" SOLID LINE PAINT 4" BROKEN LINE PAINT	LIN FT	\$0.85 \$0.85	1654	\$1,405.90					1654	\$1,405.90
74		8" SOLID LINE PAINT	LIN FT	\$0.85	,004	Ç1,∓00.80					.004	Ç.,-00.00
	2582.503			\$0.85	700	\$595.00			1		700	\$595.00
75	2582.503 2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT									
	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT				1					
ESTI	2582.503 MATED CONST	4" DOUBLE SOLID LINE PAINT TRUCTION COST:	LIN FT	\$3,940,105.78	90%	\$292,978.04	6%	\$20,328.36	4%		100%	\$326,391.40
ESTII CON	2582.503 MATED CONST TINGENCIES (*	4" DOUBLE SOLID LINE PAINT TRUCTION COST:	LIN FT	\$3,940,105.78 \$591,015.87		\$292,978.04 \$43,946.71	6%	\$3,049.25	4%	\$1,962.75	100%	\$326,391.40 \$48,958.71
ESTII CON'	2582.503 MATED CONST TINGENCIES (* FOTAL:	4" DOUBLE SOLID LINE PAINT TRUCTION COST: 15%):	LIN FT	\$3,940,105.78 \$591,015.87 \$4,531,121.65		\$292,978.04 \$43,946.71 \$336,924.74	6%	\$3,049.25 \$23,377.62	4%	\$1,962.75 \$15,047.75		\$326,391.40 \$48,958.71 \$375,350.11
ESTII CON' SUBT	2582.503 MATED CONST TINGENCIES (* FOTAL: INEERING, LEG	4" DOUBLE SOLID LINE PAINT TRUCTION COST:	LIN FT	\$3,940,105.78 \$591,015.87		\$292,978.04 \$43,946.71	6% = =	\$3,049.25	4%	\$1,962.75	100%	\$326,391.40 \$48,958.71



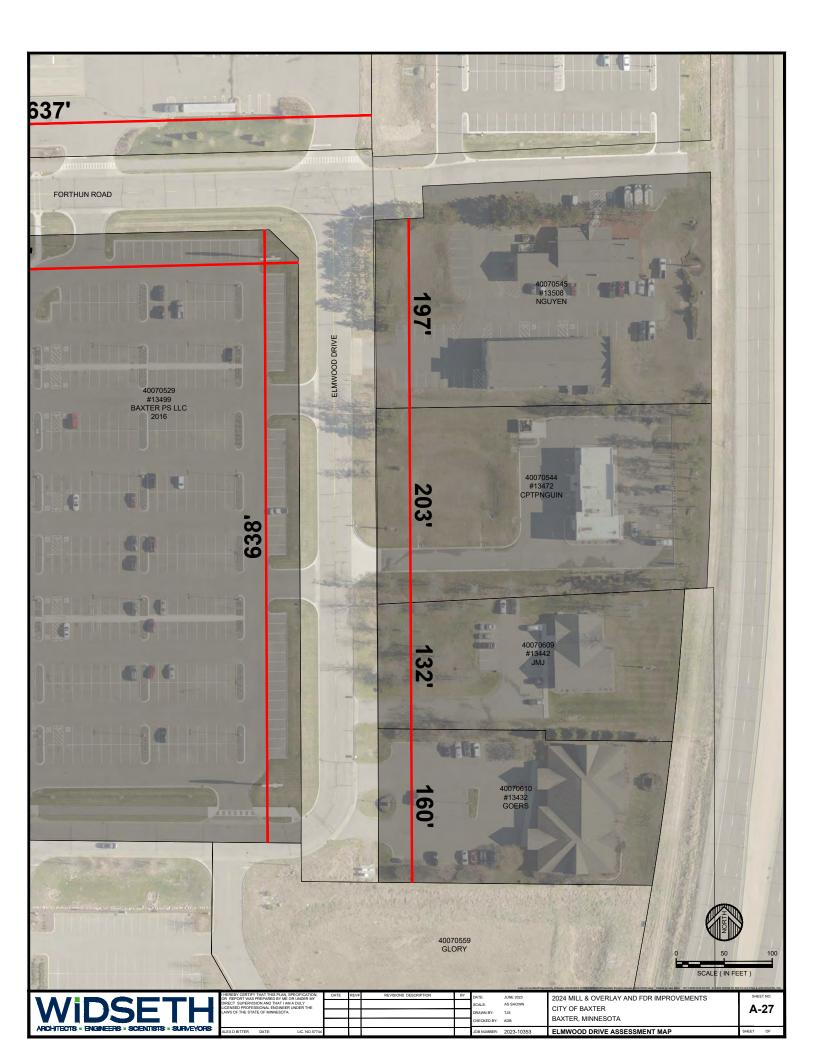
		T.					DONALD STREET WATER TOTAL PROJECT					
ITEM	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ASSESABLE		SANITARY	1				
NO.	0.20.00.	TEM DEGGET TON	O.U.	OMIT I NOC	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.91	\$9,100.00	0.04	\$400.00	0.05	\$500.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00			3	\$705.00			3	\$705.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00								
4	2104.502	REMOVE SIGN	EACH	\$40.00	6	\$240.00					6	\$240.00
5 6	2104.502 2104.503	REMOVE MAIL BOX SUPPORT SAWING CONCRETE PAVEMENT (FULL DEPTH)	EACH LIN FT	\$45.00 \$7.50	20 175	\$900.00 \$1,312.50					20 175	\$900.00 \$1,312.50
7	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LINFT	\$7.50	1/5 326	\$1,312.50 \$1.304.00	84	\$336.00			175 410	\$1,312.50 \$1,640.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$4.00	320	\$1,304.00	84	\$330.00			410	\$1,640.00
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00								
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00	336	\$3,360.00					336	\$3,360.00
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00	576	\$3,456.00	16	\$98.00			592	\$3,554.00
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00					50	\$500.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50								
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	12	\$3,600.00					12	\$3,600.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00								
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00								
17	2123.510	COMMON LABORERS	HOUR	\$100.00	6	\$600.00	6	\$600.00	6	\$600.00	18	\$1,800.00
18	2123.610	SKID LOADER	HOUR	\$145.00	6	\$870.00	6	\$870.00	6	\$870.00	18	\$2,610.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	18	\$3,600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	300	\$10,500.00			1		300	\$10,500.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	3522	\$7,043.40			1		3522	\$7,043.40
22	2232.504 2301.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$2.00 \$90.00		-		-				
23	2301.504	CONCRETE PAVEMENT 8" SPOT FULL DEPTH REPAIR	SQ YD SQ FT	\$90.00 \$2.50					-		1	
25	2302.518	SPOT FULL DEPTH REPAIR BITUMINOUS DRIVEWAY REPLACEMENT	SQ FT SQ YD	\$2.50 \$45.00	630	\$28,350.00			 		630	\$28,350.00
26	2302.604	TYPE SP 9.5 WEARING COURSE MIX (3.C)	TON	\$45.00 \$95.00	319	\$28,350.00 \$30.298.73	1	\$137.66	 		630 320	\$28,350.00 \$30.436.38
27	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C) TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00	425	\$36,145.85	2	\$137.00			427	\$30,436.38
28	2503.503	12° RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$85.00 \$75.00	420	ø30, 140.80		φ104.ZZ	+		421	¢30,310.07
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1.850.00								
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00								
33	2504.502	HYDRANT	EACH	\$5.500.00								
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00								
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00					8	\$5,600.00	8	\$5,600.00
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					3	\$975.00	3	\$975.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					1	\$250.00	1	\$250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00					2	\$13,000.00	2	\$13,000.00
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00			3	\$3,600.00			3	\$3,600.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00								
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00								
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CUYD	\$600.00			0.25	\$150.00			0	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00								
49 50	2506.603 2521.518	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00 \$17.50								
		6" CONCRETE WALK	SQ FT									
51 52	2521.518 2531.503	3" BITUMINOUS WALK CONCRETE CURB & GUTTER DESIGN B624	SQ FT LIN FT	\$3.50 \$24.00					 		+	
53	2531.503 2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$24.00 \$75.00	315	\$23,625.00			 		315	\$23,625.00
54	2531.604	8" CONCRETE DRIVEWAY PAVEMENT 8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50	310	923,020.00					310	923,020.00
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00								
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	20	\$2,500.00					20	\$2,500.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.91	\$2,730.00	0.04	\$120.00	0.05	\$150.00	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQFT	\$60.00	28	\$1,695.00					28	\$1,695.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00					<u> </u>			
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00	100	\$500.00			1		100	\$500.00
61	2573.503	SILT FENCE, TYPE MS	LINFT	\$4.00					1		1	
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	1	\$1,200.00					1	\$1,200.00
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	83	\$3,735.00					83	\$3,735.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75								
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75	480	\$840.00					480	\$840.00
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50	774	\$13,545.00					774	\$13,545.00
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50								
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00								
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50								
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00					10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00								
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85								
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	1112	\$945.20			1		1112	\$945.20
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85								
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85		l	1	l	1		1	l
гет.	MATER CONOR	TRUCTION COST:		\$3,940,105.78	86%	\$190,545.67	4%	\$8.380.88	10%	\$23,145.00	100%	\$222.071.55
	TINGENCIES (1			\$3,940,105.78 \$591.015.87	86%	\$190,545.67 \$28.581.85	476	\$8,380.88 \$1,257.13	10%	\$23,145.00 \$3,471.75	100%	\$222,071.55 \$33,310,73
	INGENCIES (1 OTAL:	13/0].		\$591,015.87 \$4,531,121.65		\$28,581.85	-	\$1,257.13	-	\$3,4/1./5	5.64%	\$33,310.73
		GAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$4,531,121.65		\$219,127.53 \$54.781.88		\$9,638.01		\$20,010.75	J.0476	\$255,382.28 \$63.845.57
		PROJECT COST:		\$5,663,902.06		\$273,909.41	=	\$12,047.51	=	\$33,270.94		\$319,227.85
2011	LD IOTAL			\$0,000,00Z.00		4273,303. →1		\$12,047.01		\$55,210.54		4010,441.00



									RY ROAD			
							_					
ITEM	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ASSESSABLE	ROADWAY	SANITARY	SEWER	WATE	ER .	TOTAL PR	DJECT
NO.	SPEC NO.	TEM DESCRIPTION	ONLI	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.87	\$8,700.00	0.08	\$800.00	0.05	\$500.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00			2	\$470.00			2	\$470.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00								
4	2104.502 2104.502	REMOVE SIGN REMOVE MAIL BOX SUPPORT	EACH EACH	\$40.00 \$45.00	3	\$135.00					3	\$135.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50	· ·	\$155.50						\$100.00
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00	70	\$280.00	56	\$224.00			126	\$504.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00								
9	2104.503 2104.504	REMOVE CURB & GUTTER REMOVE CONCRETE PAVEMENT	LIN FT SQ YD	\$4.00 \$10.00								
10	2104.504	REMOVE CONCRETE PAVEMENT REMOVE BITUMINOUS PAVEMENT	SQ YD SQ YD	\$10.00 \$6.00	163	\$980.00	11	\$65.33			174	\$1,045.33
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	50	\$500.00		400.00			50	\$500.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50								
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	6	\$1,800.00					6	\$1,800.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	213	\$3,402.05					213	\$3,402.05
16 17	2105.607 2123.510	COMMON EXCAVATION COMMON LABORERS	CU YD HOUR	\$15.00 \$100.00	6	\$600.00	6	\$600.00	6	\$600.00	18	\$1.800.00
18	2123.610	SKID LOADER	HOUR	\$100.00	6	\$870.00	6	\$870.00	6	\$870.00	18	\$2,610.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	18	\$3,600.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00					12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	1562	\$3,124.33					1562	\$3,124.33
22	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$2.00								
23 24	2301.504 2302.518	CONCRETE PAVEMENT 8" SPOT FULL DEPTH REPAIR	SQ YD SQ FT	\$90.00 \$2.50	l		-		1			
24 25	2302.518	SPOT FULL DEPTH REPAIR BITUMINOUS DRIVEWAY REPLACEMENT	SQ FT SQ YD	\$2.50 \$45.00	163	\$7.350.00	 		1		163	\$7.350.00
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	141	\$13,438.57	1	\$94.64	1		142	\$13,533.21
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00	189	\$16,031.98	1	\$112.90			190	\$16,144.88
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00								
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00								
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00								
31 32	2503.602 2503.603	CONNECT TO EXISTING SANITAY SEWER 8° PIPE SEWER	EACH LIN FT	\$1,850.00 \$85.00								
33	2503.603	6 PIPE SEWER HYDRANT	EACH	\$5,500.00								
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00								
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00								
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00								
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00					2	\$650.00	2	\$650.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00					1	\$250.00	1	\$250.00
39 40	2504.602 2506.502	WATERMAIN TEE CASTING ASSEMBLY (SANITARY 700-7)	EACH EACH	\$6,500.00 \$1,200.00				\$2,400.00			2	\$2,400.00
41	2506.502	CASTING ASSEMBLY (SANITARY 700-7) CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00			2	\$2,400.00			2	\$2,400.00
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00								
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00								
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00								
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00								
46 47	2506.602 2506.602	RECONSTRUCT DRAINAGE STRUCTURE GROUT CATCH BASIN OR MANHOLE	EACH CU YD	\$2,000.00 \$600.00			0.25	\$150.00			0	4450.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00			0.25	\$150.00			U	\$150.00
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00								
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50								
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50								
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00								
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00			1		1			
54 55	2531.604 2531.618	8" CONCRETE VALLEY GUTTER TRUNCATED DOMES	SQ YD SQ FT	\$97.50 \$65.00			 					
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	3	\$375.00	 		1		3	\$375.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.87	\$2,610.00	0.08	\$240.00	0.05	\$150.00	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00								
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00								-
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00	100	\$500.00					100	\$500.00
61 62	2573.503 2573.501	SILT FENCE, TYPE MS STABILIZED CONSTRUCTION EXIT	LIN FT EACH	\$4.00 \$1,200.00	1	\$1,200.00	-		1		1	\$1,200.00
62	2573.501 2574.507	STABILIZED CONSTRUCTION EXIT SCREENED TOPSOIL BORROW	CU YD	\$1,200.00 \$45.00	1 39	\$1,200.00 \$1,755.00	 		1		39	\$1,200.00 \$1,755.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75		\$1,155.55						41,133.00
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75	213	\$372.75					213	\$372.75
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50	343	\$6,008.33					343	\$6,008.33
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50								
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00			1		1			
69 70	2575.508 2575.523	HYDRAULIC REINFORCED FIBER MATRIX WATER	POUND	\$3.50 \$45.00	10	\$450.00	 				10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00	10	\$400.00					10	\$400.00
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85			1		1			
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	515	\$437.75					515	\$437.75
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85								
75	2582.503	4" DOUBLE SOLID LINE PAINT	\$0.85			I						
EST	MATED CONST	RUCTION COST:	\$3,940,105.78	86%	\$72.540.77	9%	\$7.226.87	5%	\$4.220.00	100%	\$83,987.64	
	TINGENCIES (1			\$5,940,105.78 \$591,015.87	00%	\$10,881.11	9%	\$1,084.03	5%	\$633.00	100%	\$83,987.64 \$12,598.15
	TOTAL:	• /	\$4,531,121.65		\$83,421.88	-	\$8,310.90	-	\$4,853.00	2.13%	\$96,585.78	
		AL, FINANCE, ADMIN AND OTHER COSTS (25%):	\$1,132,780.41		\$20,855.47	_	\$2,077.73	=	\$1,213.25		\$24,146.45	
ESTI	MATED TOTAL	PROJECT COST:		\$5,663,902.06		\$104,277.35	-	\$10,388.63	-	\$6,066.25	•	\$120,732.23

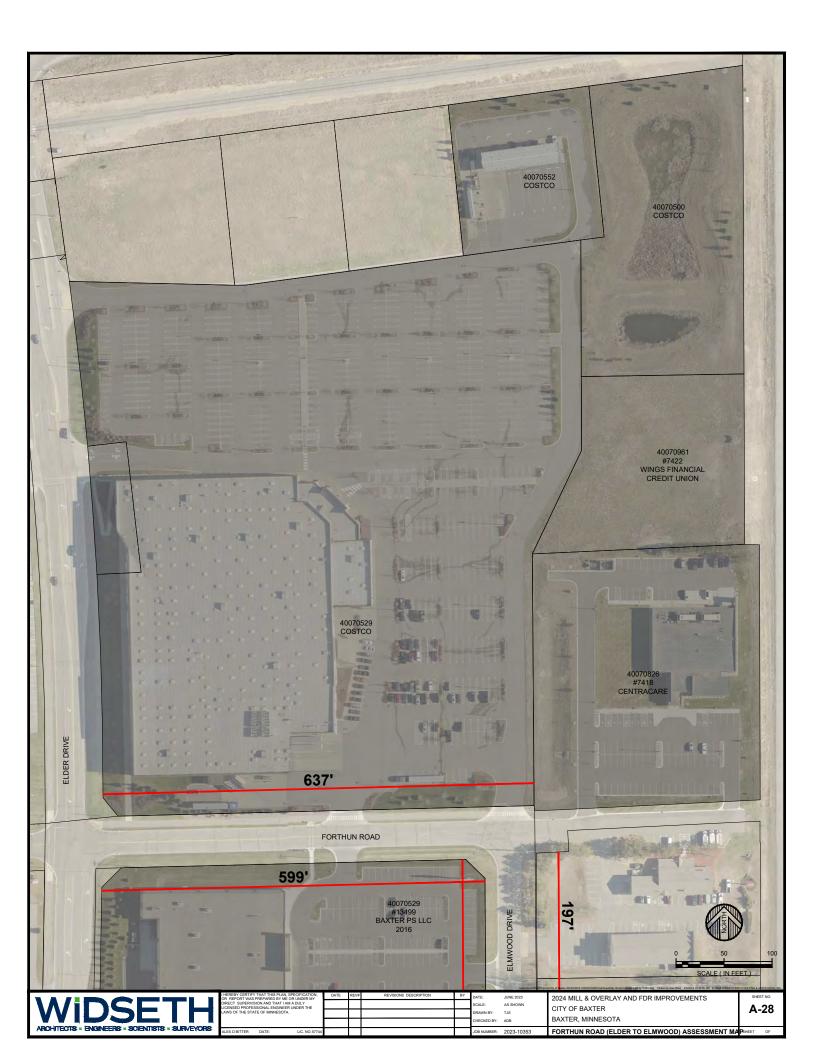


					COMMERCIAL FDR									
		1			ASSESSABLE ROADWAY				ELMWOO		1			
ITEM NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ASSESSABLE ESTIMATED QUANTITY	TOTAL COST	STORM SI ESTIMATED QUANTITY	TOTAL COST	SANITARY ESTIMATED QUANTITY	SEWER TOTAL COST	WATE	TOTAL COST	TOTAL PRI	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.89	\$8,900.00	0.06	\$600.00	0.03	\$300.00	0.02	\$200.00	ESTIMATED QUANTITY	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00		40,000.00			2	\$470.00		42222	2	\$470.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00			4	\$940.00					4	\$940.00
4	2104.502	REMOVE SIGN	EACH	\$40.00	1	\$40.00							1	\$40.00
5	2104.502 2104.503	REMOVE MAIL BOX SUPPORT SAWING CONCRETE PAVEMENT (FULL DEPTH)	EACH LIN FT	\$45.00 \$7.50	3 27	\$135.00 \$202.50			 				3 27	\$135.00 \$202.50
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00	208	\$832.00			56	\$224.00			264	\$1,056.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00										
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00	966	\$3,864.00	80	\$320.00					1046	\$4,184.00
10	2104.504	REMOVE CONCRETE PAVEMENT REMOVE BITUMINOUS PAVEMENT	SQ YD SQ YD	\$10.00 \$6.00	363 330	\$3,634.17 \$1,977.50			11	\$65.33			363 340	\$3,634.17 \$2,042.83
11	2104.504	DITCH EXCAVTION	SQ YD	\$6.00	330	\$1,977.50			- 11	\$65.33			340	\$2,042.83
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50										
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	7	\$2,100.00							7	\$2,100.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	357	\$5,710.13							357	\$5,710.13
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00		\$600.00	e	\$600.00		\$600.00	_	\$600.00		
17	2123.510 2123.610	COMMON LABORERS SKID LOADER	HOUR	\$100.00 \$145.00	6	\$600.00 \$870.00	6 e	\$600.00	6	\$600.00 \$870.00	6	\$600.00	24 24	\$2,400.00 \$3,480.00
18	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$145.00	6	\$1 200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	24	\$3,480.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00	, i	\$1,200.00		91,200.00	, and	\$1,200.00	12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	2622	\$5,243.70							2622	\$5,243.70
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00										
23	2301.504	CONCRETE PAVEMENT 8*	SQ YD	\$90.00	247	\$22,260.00							247	\$22,260.00
24 25	2302.518	SPOT FULL DEPTH REPAIR BITUMINOUS DRIVEWAY REPLACEMENT	SQ FT SQ YD	\$2.50 \$45.00	388	\$17,445.75			1		 		388	\$17,445.75
25 26	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT TYPE SP 9.5 WEARING COURSE MIX (3.C)	SQ YD TON	\$45.00 \$95.00	475	\$17,445.75 \$45,116.43			2	\$189.28			388 477	\$17,445.75 \$45.305.70
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,6)	TON	\$85.00	475	\$40,367.33			2	\$169.35			477	\$40,536.68
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00										
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00										
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00										
31	2503.602	CONNECT TO EXISTING SANITAY SEWER 8° PIPE SEWER	EACH	\$1,850.00										
32 33	2503.603 2504.502	8" PIPE SEWER HYDRANT	LIN FT EACH	\$85.00 \$5.500.00	l				 					
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00										
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00										-
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00										
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00							1	\$325.00	1	\$325.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00							1	\$250.00	- 1	\$250.00
39 40	2504.602 2506.502	WATERMAIN TEE CASTING ASSEMBLY (SANITARY 700-7)	EACH EACH	\$6,500.00 \$1,200.00	l				2	\$2,400.00			2	\$2,400.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00					<u> </u>				l	
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00			2	\$3,100.00					2	\$3,100.00
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00										
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00										
45 46	2506.503 2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN H RECONSTRUCT DRAINAGE STRUCTURE	LIN FT EACH	\$500.00 \$2,000.00			4	\$8,000.00					4	\$8,000.00
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00			0.125	\$75.00	0.125	\$75.00			0	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00						4				
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00										-
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50										
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50					1					
52 53	2531.503 2531.504	CONCRETE CURB & GUTTER DESIGN B624 6" CONCRETE DRIVEWAY PAVEMENT	LIN FT SQ YD	\$24.00 \$75.00	966	\$23,184.00	80	\$1,920.00	1				1046	\$25,104.00
53 54	2531.504 2531.604	6" CONCRETE DRIVEWAY PAVEMENT 8" CONCRETE VALLEY GUTTER	SQ YD SQ YD	\$75.00 \$97.50	155	\$15,071.88	1		1	l	 	l	155	\$15,071.88
55	2531.618	TRUNCATED DOMES	SQFT	\$65.00										
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	3	\$375.00							3	\$375.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.89	\$2,670.00	0.06	\$180.00	0.03	\$90.00	0.02	\$60.00	- 1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	- 6	\$375.00	1		1		2	\$330.00	6	\$375.00
59 60	2573.502 2573.503	STORM DRAIN INLET PROTECTION SEDIMENT CONTROL LOG TYPE WOOD FIBER	EACH LIN FT	\$165.00 \$5.00	100	\$500.00	1		1		2	\$330.00	100	\$330.00 \$500.00
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00	100	4000.00			1				100	\$500.00
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	1	\$1,200.00							1	\$1,200.00
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	85	\$3,825.00							85	\$3,825.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	10	\$17.50		-					10	\$17.50
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75					ļ					
66 67	2575.504 2575.508	SOD TYPE LAWN SEED MIXTURE 22-111 (TEMPORARY SEEDING)	SQ YD POUND	\$17.50 \$5.50	19	\$104.50			1				19	\$104.50
68	2575.508 2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING) SEED MIXTURE 25-151	POUND	\$5.50 \$7.00	19	\$104.50 \$133.00			1	l	 	l	19	\$104.50 \$133.00
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	328	\$1,148.00							328	\$1,148.00
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00							10	\$450.00
71	2575.605	SEEDING	ACRE	\$600.00	0.16	\$96.00							0.16	\$96.00
72	2582.503	4" SOLID LINE PAINT	LINFT	\$0.85 \$0.85	331	\$281.35			1				 	****
73 74	2582.503 2582.503	4" BROKEN LINE PAINT 8" SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	331	92d1.3b	1		1	 		 	331	\$281.35
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	350	\$297.50							350	\$297.50
ESTIN		TRUCTION COST:		\$3,940,105.78 \$591.015.87	88%	•	7%	\$17,805.00 \$2,670.75	3%	\$6,652.96 \$997.94	2%	\$3,835.00 \$575.25	100%	\$238,940.19 \$35,841.03
SUBT	OTAL:			\$4,531,121.65		\$242,244.31	-	\$20,475.75	-	\$7,650.90	•	\$4,410.25	6.06%	\$274,781.22
		GAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		\$60,561.08		\$5,118.94		\$1,912.73		\$1,102.56	3.0070	\$68,695.30
		L PROJECT COST:		\$5,663,902.06		\$302,805.39	-	\$25,594.69	-	\$9,563.63	-	\$5,512.81		\$343,476.52

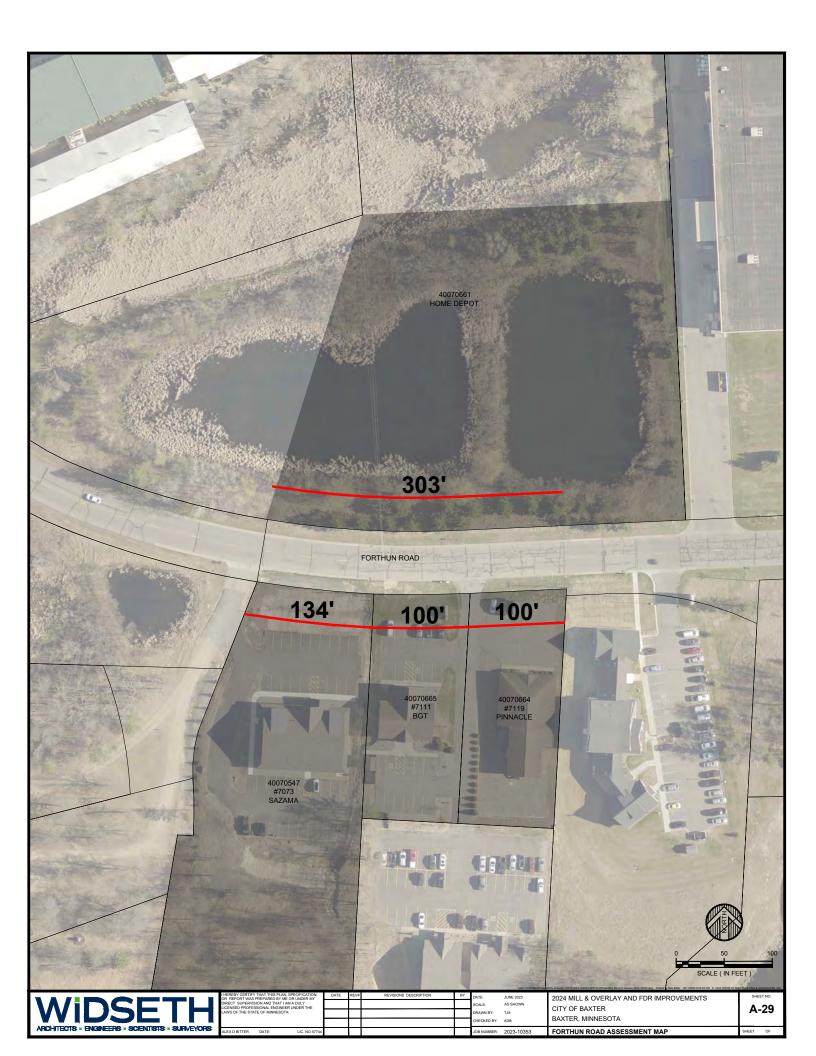


									IUN ROAD (ELDER D	RIVE TO ELMWO	OD DRIVE)			
ITEM	SPEC NO	ITEM DESCRIPTION	UNIT	LINIT PRICE	ASSESSABLE	ROADWAY	TRAI	L	STORM S	EWER	SANITARY	SEWER	TOTAL PR	OJECT
NO.	SPEC NO.	HEM DESCRIPTION	UNII	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL CO
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.78	\$7,800.00	0.14	\$1,400.00	0.06	\$600.00	0.02	\$200.00	1	\$10,000.0
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00							1	\$235.00	1	\$235.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00	3				4	\$940.00			4 3	\$940.00
5	2104.502 2104.502	REMOVE SIGN REMOVE MAIL BOX SUPPORT	EACH EACH	\$40.00 \$45.00	3	\$120.00							3	\$120.0
6	2104.502	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LINET	\$7.50			25	\$187.50					25	\$187.50
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00	208	\$831.60					28	\$112.00	236	\$943.60
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00										
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00	1386	\$5,544.00			80	\$320.00			1466	\$5,864.0
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00	434	\$4,337.67	40	\$400.00					474	\$4,737.6
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00	750	\$4,498.90					5	\$32.67	755	\$4,531.5
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00										
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50		\$2,100.00							 	\$2,100.0
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	7 343	\$2,100.00 \$5,485.93		\$814.22					7 394	\$2,100.0 \$6,300.1
15 16	2105.607 2105.607	EXCAVATION SPECIAL COMMON EXCAVATION	CU YD	\$16.00 \$15.00	343	\$5,485.93	51	\$814.22					394	\$6,300.1
17	2105.607	COMMON LABORERS	HOUR	\$100.00	6	\$600.00	6	\$600.00	6	\$600.00	6	\$600.00	24	\$2,400.0
18	2123.510	SKID LOADER	HOUR	\$100.00	6	\$870.00	6	\$870.00	6	\$870.00	6	\$870.00	24	\$3,480.0
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	24	\$4,800.0
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00							12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	2645	\$5,289.90	802	\$1,603.00					3446	\$6,892.91
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00										
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00	279	\$25,137.00							279	\$25,137.0
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50										
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00	84	\$3,769.50			ļ		L		84	\$3,769.5
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	479	\$45,511.32	1		1		0.91	\$86.03	480	\$45,597.2
27 28	2360.509 2503.503	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B) 12" RC PIPE SEWER DESIGN 3005 CLASS V	TON LIN FT	\$85.00 \$75.00	479	\$40,720.66	1		-		1	\$76.98	480	\$40,797.6
28	2503.601	TRACER WIRE SYSTEM (SANITARY)	LIN FT	\$75.00			<u> </u>		-		-		1	
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00										
31	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,850.00										
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00										
33	2504.502	HYDRANT	EACH	\$5,500.00										
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00										
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00										
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00										
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00										
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00										
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00										
40 41	2506.502 2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH FACH	\$1,200.00 \$1,200.00							1	\$1,200.00	1	\$1,200.00
42	2506.502	CASTING ASSEMBLY (STORM 700-7) CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00			<u> </u>		,	\$4.650.00	-		3	\$4,650.00
43	2506.502	CASTING ASSEMBLY (STORM NEEMAH R-3250-DVSP)	FACH	\$1,330.00					1	\$1,300.00			1	\$1,300.00
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00					· ·	0.1000.00			· ·	\$1,000.00
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00										
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00					4	\$8,000.00			4	\$8,000.00
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00					0.125	\$75.00	0.125	\$75.00	0	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00										
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00										
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50			58	\$1,015.00					58	\$1,015.00
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50			5520	\$19,320.00	 		 		5520	\$19,320.0
52 53	2531.503 2531.504	CONCRETE CURB & GUTTER DESIGN B624 6° CONCRETE DRIVEWAY PAVEMENT	LIN FT SQ YD	\$24.00 \$75.00	1386	\$33,264.00	1		80	\$1,920.00	1		1466	\$35,184.0
53 54	2531.504 2531.604	6" CONCRETE DRIVEWAY PAVEMENT 8" CONCRETE VALLEY GUTTER	SQ YD SQ YD	\$75.00 \$97.50	155	\$15,151.50	1		l		l		155	\$15,151.5
54 55	2531.604 2531.618	8" CONCRETE VALLEY GUTTER TRUNCATED DOMES	SQ YD SQ FT	\$97.50 \$65.00	155	910, ID1.5U	35	\$2,275.00	1		1	 	155 35	\$15,151.5 \$2,275.0
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00			- ~	92,210.00	1		1	l	11	VALA / 0.01
57	2540.602	TRAFFIC CONTROL	LUMP SUM	\$125.00	0.78	\$2,340.00	0.14	\$420.00	0.06	\$180.00	0.02	\$60.00	1	\$3,000.0
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	32	\$1,905.00							32	\$1,905.0
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00	4	\$660.00							4	\$660.00
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00	100	\$500.00							100	\$500.00
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00										
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	1	\$1,200.00							1	\$1,200.0
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	85	\$3,825.00			ļ		ļ		85	\$3,825.0
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	10	\$16.63	1		ļ		ļ		10	\$16.63
55	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75			1		1		1		11	-
56 57	2575.504 2575.508	SOD TYPE LAWN	SQ YD	\$17.50 \$5.50	20	\$110.00	1		1		1	 	20	\$110.00
67 68	2575.508 2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING) SEED MIXTURE 25-151	POUND	\$5.50 \$7.00	20	\$110.00	1		1		1		20	\$110.00 \$140.00
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$7.00	336	\$1.176.00	1		1		1	l	336	\$1,176.0
70	2575.523	WATER	MGAL	\$3.50 \$45.00	10	\$1,176.00	1		1		1		10	\$1,176.0
71	2575.605	SEEDING	ACRE	\$600.00	0.16	\$95.00	1		 		 		0.16	\$96.00
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85			1							
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	337	\$286.45							337	\$286.45
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85	66	\$56.10							66	\$56.10
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	350	\$297.50	1		ļ		ļ	L	350	\$297.50
CON	IMATED CONS ITINGENCIES (ITOTAL:	TRUCTION COST: (15%):		\$3,940,105.78 \$591,015.87 \$4,531,121.65	80%	\$215,710.65 \$32,356.60 \$248,067.25	11%	\$30,104.72 \$4,515.71 \$34,620.43	8%	\$20,655.00 \$3,098.25 \$23,753.25	2%	\$4,747.68 \$712.15 \$5,459.83	100%	\$271,218. \$40,682. \$311,900.

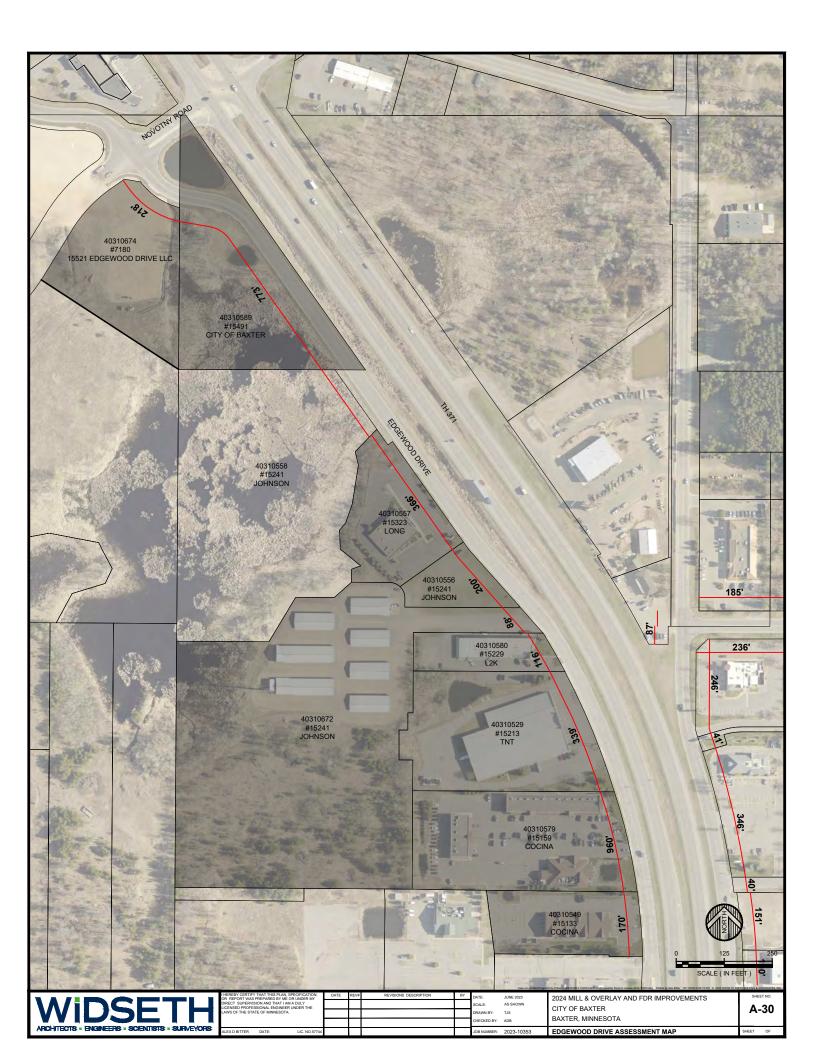
SUBTOTAL:
ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%):
ESTIMATED TOTAL PROJECT COST: \$4,531,121.65 \$248,067.25 \$34,602.43 \$11,132,780.41 \$82,016.81 \$8,855.11 \$5,663,902.06 \$310,084.06 \$43,275.54 \$23,753,25 \$5,499,85 \$6,88% \$371,900,76 \$5,538,831 \$1,364,96 \$77,975,19 \$29,691.56 \$6,824.79 \$389,875.95



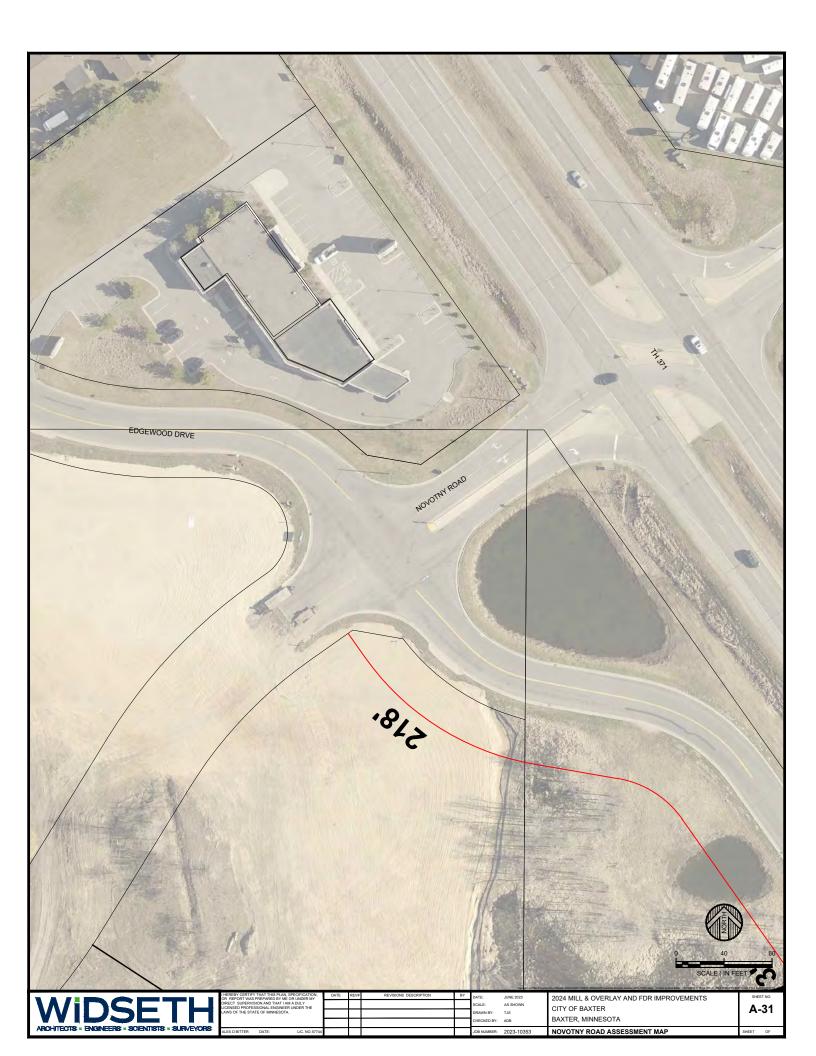
					FORTHUN ROAD (570' WEST OF ROUNDABOUT TO 386' WEST OF ROUNDABOUT)													
		T																
ITEM NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ASSESSABLE		STORM S		SANITARY		WATE		TOTAL PRI					
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	ESTIMATED QUANTITY 0.83	TOTAL COST \$8,300.00	ESTIMATED QUANTITY 0.10	TOTAL COST \$1,000.00	ESTIMATED QUANTITY 0.05	TOTAL COST \$500.00	ESTIMATED QUANTITY 0.02	TOTAL COST \$200.00	ESTIMATED QUANTITY	TOTAL COST				
2	2021.501	MOBILIZATION REMOVE CASTING (SANITARY)	EACH EACH	\$10,000.00 \$235.00	0.83	\$8,300.00	0.10	\$1,000.00	0.05	\$500.00 \$470.00	0.02	\$200.00	2	\$10,000.00 \$470.00				
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00			2	\$470.00					2	\$470.00				
4	2104.502	REMOVE SIGN	EACH	\$40.00	1	\$40.00							1	\$40.00				
5	2104.502 2104.503	REMOVE MAIL BOX SUPPORT SAWING CONCRETE PAVEMENT (FULL DEPTH)	EACH LIN FT	\$45.00 \$7.50	4	\$180.00	ļ						4	\$180.00				
7	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$7.50	25	\$100.00			56	\$224.00			81	\$324.00				
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00														
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00	285	\$1,140.00	40	\$160.00					325	\$1,300.00				
10	2104.504	REMOVE CONCRETE PAVEMENT	SQYD	\$10.00														
11	2104.504	REMOVE BITUMINOUS PAVEMENT DITCH EXCAVTION	SQ YD SQ YD	\$6.00 \$10.00	56	\$336.00			11	\$65.33			67	\$401.33				
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50														
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	3	\$900.00							3	\$900.00				
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	102	\$1,631.26							102	\$1,631.26				
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00	245	\$3,670.33 \$600.00		\$600.00		\$600.00		\$600.00	245	\$3,670.33				
17 18	2123.510 2123.610	COMMON LABORERS SKID LOADER	HOUR	\$100.00 \$145.00	6	\$600.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	24 24	\$2,400.00 \$3,480.00				
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	24	\$4,800.00				
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00				01,200.00		0.,222.2	12	\$420.00				
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	1101	\$2,202.20							1101	\$2,202.20				
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00														
23 24	2301.504	CONCRETE PAVEMENT 8" SPOT FULL DEPTH REPAIR	SQ YD SQ FT	\$90.00 \$2.50			1											
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQYD	\$2.50	56	\$2,520.00							56	\$2,520.00				
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	199	\$18,946.49			2	\$189.28			201	\$19,135.77				
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00	199	\$16,952.12			2	\$169.35			201	\$17,121.47				
28	2503.503	12° RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00			1						-					
29 30	2503.601 2503.602	TRACER WIRE SYSTEM (SANITARY) CONNECT TO EXISTING STORM SEWER	LUMP SUM EACH	\$500.00 \$1.300.00														
31	2503.602	CONNECT TO EXISTING STORM SEWER CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00														
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00														
33	2504.502	HYDRANT	EACH	\$5,500.00														
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00														
35 36	2504.602 2504.602	6" GATE VALVE REPLACEMENT WATERMAIN EXPLORATORY EXCAVATION	EACH HOUR	\$1,500.00 \$700.00														
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00							1	\$325.00	1	\$325.00				
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00							1	\$250.00	1	\$250.00				
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00														
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00					3	\$3,600.00			3	\$3,600.00				
41 42	2506.502 2506.502	CASTING ASSEMBLY (STORM 700-7) CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH EACH	\$1,200.00 \$1,550.00			2	\$3,100.00					2	\$3,100.00				
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP) CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00			-	\$5,100.00					-	\$3,100.00				
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00														
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00														
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00			4	\$8,000.00					4	\$8,000.00				
47 48	2506.602 2506.603	GROUT CATCH BASIN OR MANHOLE	CU YD LIN FT	\$600.00 \$1,400.00			0.125	\$75.00	0.125	\$75.00			0	\$150.00				
49	2506.603	CONSTRUCT OUTSIDE DROP SANITARY MANHOLE EXCESS DEPTH	LINFT	\$500.00														
50	2521.518	6" CONCRETE WALK	SQFT	\$17.50														
51	2521.518	3" BITUMINOUS WALK	SQFT	\$3.50														
52	2531.503	CONCRETE CURB & GUTTER DESIGN 8624	LIN FT	\$24.00	285	\$6,840.00	40	\$960.00					325	\$7,800.00				
53 54	2531.504 2531.604	6" CONCRETE DRIVEWAY PAVEMENT 8" CONCRETE VALLEY GUTTER	SQ YD SQ YD	\$75.00 \$97.50	I		1		-				-					
55	2531.604	TRUNCATED DOMES	SQ FT	\$97.50														
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	4	\$500.00							4	\$500.00				
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.83	\$2,490.00	0.10	\$300.00	0.05	\$150.00	0.02	\$60.00	1	\$3,000.00				
58	2564.518	SIGN PANELS TYPE C	SQFT	\$60.00	5	\$300.00	2						5	\$300.00				
59 60	2573.502 2573.503	STORM DRAIN INLET PROTECTION SEDIMENT CONTROL LOG TYPE WOOD FIBER	EACH LIN FT	\$165.00 \$5.00	286	\$1.430.00	2	\$330.00					286	\$330.00 \$1,430.00				
60	2573.503 2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER SILT FENCE. TYPE MS	LIN FT	\$5.00 \$4.00	286	\$1,430.00	1	l	 				286 286	\$1,430.00 \$1,144.00				
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	1	\$1,200.00	1	\$1,200.00					2	\$2,400.00				
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	36	\$1,620.00							36	\$1,620.00				
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	4	\$7.00							4	\$7.00				
65 66	2574.508 2575.504	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND SQ YD	\$1.75 \$17.50	I		1		l									
66 67	2575.504 2575.508	SOD TYPE LAWN SEED MIXTURE 22-111 (TEMPORARY SEEDING)	SQ YD POUND	\$17.50 \$5.50	8	\$44.00	1		l				8	\$44.00				
38	2575.508	SEED MIXTURE 25-151 (TEMPORARY SEEDING)	POUND	\$7.00	8	\$56.00	1	1	1		1		8	\$56.00				
39	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	138	\$483.00							138	\$483.00				
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00							10	\$450.00				
71	2575.605 2582.503	SEEDING 4" SOLID LINE PAINT	ACRE LIN FT	\$600.00	0.07	\$42.00	1						0.07	\$42.00				
72	2582.503 2582.503	4" SOLID LINE PAINT 4" BROKEN LINE PAINT	LIN FT	\$0.85 \$0.85	286	\$243.10							286	\$243.10				
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85														
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85														
-c	MATER COM	TRUCTION COCT.	•	62 040 40E 76	2007	670 057 51		640 005 00		60 440 00	***	#2 F0F 00	,,,,,,	6400 777				
	INGENCIES (TRUCTION COST:		\$3,940,105.78 \$591.015.87	72%	\$76,857.51 \$11,528.63	17%	\$18,265.00 \$2,739.75	8%	\$8,112.96 \$1,216.94	3%	\$3,505.00 \$525.75	100%	\$106,740.4 \$16,011.0				
SUBT	OTAL:			\$4,531,121.65		\$88,386.13	-	\$21,004.75		\$9,329.90	•	\$4,030.75	2.71%	\$122,751.				
	HEEDING LE	GAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		\$22,096.53		\$5,251,19		\$2,332.48		\$1.007.69		\$30,687.8				
		I. PROJECT COST:				\$110,482,66	-	\$26,255.94		\$11,662.38		\$5,038,44		\$153,439.4				



$\overline{}$					ASSESSABLE	BOADWAY	CITY ROA	NWAY .	STORM S		DOD DRIVE SANITARY	PEWED	WATE	60	TOTAL PRI	OJECT
ITEM NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE												
					ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.87	\$8,700.00	0.01	\$100.00	0.09	\$900.00	0.02	\$200.00	0.01	\$100.00	1	\$10,000.00
2	2104.502 2104.502	REMOVE CASTING (SANITARY) REMOVE CASTING (STORM)	EACH EACH	\$235.00 \$235.00					14	\$3.290.00	6	\$1,410.00	ļ		6 14	\$1,410.00
4	2104.502	REMOVE CASTING (STORM) REMOVE SIGN	EACH	\$235.00 \$40.00	,	\$280.00			14	\$3,290.00			1		7	\$3,290.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00	2	\$90.00									2	\$90.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LINFT	\$7.50												
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LINFT	\$4.00	417	\$1,667.40					168	\$672.00			585	\$2,339.40
8 9	2104.503 2104.503	REMOVE SEWER PIPE (SANITARY) REMOVE CURB & GUTTER	LINFT	\$15.00 \$4.00	4695	\$18,780.00			280	\$1,120.00					4975	\$19,900.00
10	2104.503	REMOVE CONCRETE PAVEMENT	SQYD	\$4.00 \$10.00	4695 290	\$18,780.00			280	\$1,120.00			1		4975 290	\$19,900.00
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQYD	\$6.00	64	\$384.00					33	\$196.00			97	\$580.00
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00												
13	2112.603	SHOULDER PREPARATION	LINFT	\$0.50												
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	27	\$8,100.00									27	\$8,100.00
15 16	2105.607 2105.607	EXCAVATION SPECIAL COMMON EXCAVATION	CU YD	\$16.00 \$15.00	749 1796	\$11,976.05 \$26,946.11									749 1796	\$11,976.05 \$26,946.11
17	2123.510	COMMON LABORERS	HOUR	\$100.00	6	\$600.00			6	\$800.00	6	\$600.00	6	\$600.00	24	\$2,940.00
18	2123.610	SKID LOADER	HOUR	\$145.00	6	\$870.00			6	\$870.00	6	\$870.00	6	\$870.00	24	\$3,480.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00			6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	24	\$4,800.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00									12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	8084	\$16,167.67				ļ	l		 		8084	\$16,167.67
22	2232.504 2301.504	MILL BITUMINOUS SURFACE (2.0°) CONCRETE PAVEMENT 8°	SQ YD SQ YD	\$2.00 \$90.00	l — — —				 	l	l		 		 	
23	2302.518	SPOT FULL DEPTH REPAIR	SQ YD SQ FT	\$90.00 \$2.50					+	1	1		1		 	
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQYD	\$45.00	64	\$2,880.00					1		1		64	\$2,880.00
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	1464	\$139,097.51	33	\$3,135.00			6	\$567.83			1503	\$142,800.34
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00	1464	\$124,455.67	17	\$1,445.00			6	\$508.06			1487	\$126,468.72
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LINFT	\$75.00												
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00												
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00												
31	2503.602 2503.603	CONNECT TO EXISTING SANITAY SEWER 8" PIPE SEWER	EACH LIN FT	\$1,850.00												
33	2504.502	HYDRANT	EACH	\$5,500.00												
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00												
35	2504.602	6° GATE VALVE REPLACEMENT	EACH	\$1,500.00												
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00												
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00									8	\$2,600.00	8	\$2,600.00
38	2504.602 2504.602	VALVE BOX MID SECTION WATERMAIN TEE	EACH EACH	\$250.00 \$6.500.00	P					ļ	l		4	\$1,000.00	4	\$1,000.00
40	2504.602 2506.502	WATERMAIN TEE CASTING ASSEMBLY (SANITARY 700-7)	EACH EACH	\$6,500.00 \$1,200.00	l 				-	-	6	\$7,200.00	1		6	\$7,200.00
41	2506.502 2506.502	CASTING ASSEMBLY (SANITARY 700-7) CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00					 	l		\$7,200.00			•	\$7,200.00
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00					14	\$21,700.00	i		1	1	14	\$21,700.00
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00												
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LINFT	\$1,000.00												
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LINFT	\$500.00							l		 		ļ	
46 47	2506.602 2506.602	RECONSTRUCT DRAINAGE STRUCTURE GROUT CATCH BASIN OR MANHOLE	EACH CU YD	\$2,000.00 \$600.00	I				8 0.125	\$16,000.00 \$75.00	0.125	\$75.00	1		8	\$16,000.00
48	2506.602 2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00					0.125	\$15.00	0.125	\$75.00	1			\$150.00
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LINFT	\$500.00					†	l	1		1			
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50						i	i		1	1		
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50												
52	2531.503	CONCRETE CURB & GUTTER DESIGN 8624	LINFT	\$24.00	4695	\$112,680.00	150	\$3,600.00	280	\$6,720.00					5125	\$123,000.00
53 54	2531.504 2531.604	6° CONCRETE DRIVEWAY PAVEMENT 8° CONCRETE VALLEY GUTTER	SQ YD SQ YD	\$75.00 \$97.50	l—	\$28,275.00				ļ	l		 		290	\$28,275.00
55	2531.604 2531.618	8° CONCRETE VALLEY GUTTER TRUNCATED DOMES	SQ YD SQ FT	\$97.50 \$65.00	290	\$28,275.00			-	-	 		1		290	\$28,275.00
56	2531.618 2540.602	MAIL BOX SUPPORT	EACH	\$85.00 \$125.00	2	\$250.00			 	l	l				2	\$250.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.87	\$2,610.01	0.01	\$38.94	0.0859	\$257.63	0.02	\$63.48	0.0099849	\$29.95	1	\$3,000.00
58	2584.518	SIGN PANELS TYPE C	SQ FT	\$60.00	36	\$2,175.00									36	\$2,175.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00					14	\$2,310.00					14	\$2,310.00
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LINFT	\$5.00	2308	\$11,540.00									2308	\$11,540.00
61 62	2573.503 2573.501	SILT FENCE, TYPE MS STABILIZED CONSTRUCTION EXIT	LIN FT EACH	\$4.00 \$1,200.00	2308	\$9,232.00 \$2,400.00			 	l	l		 		2308	\$9,232.00 \$2,400.00
63	2573.501 2574.507	STABILIZED CONSTRUCTION EXIT SCREENED TOPSOIL BORROW	EACH CU YD	\$1,200.00 \$45.00	330	\$2,400.00			-	-	 		1		330	\$2,400.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	37	\$84.75					 		 		37	\$64.75
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (800)	POUND	\$1.75	I				†	l	1		1		l	
66	2575.504	SOD TYPE LAWN	SQ YD	\$17.50												
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50	74	\$407.00				-					74	\$407.00
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	74	\$518.00		-							74	\$518.00
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	1302	\$4,557.00			1		l		1		1302	\$4,557.00
70 71	2575.523 2575.605	WATER SEEDING	MGAL ACRE	\$45.00 \$600.00	10	\$450.00 \$372.00			-	-	 		1		10	\$450.00 \$372.00
71	2575.605 2582.503	4° SOLID LINE PAINT	LIN FT	\$0.85		4312.00			 	l	l				- ·	\$372.00
73	2582.503	4" BROKEN LINE PAINT	LINFT	\$0.85	2200	\$1,870.00			†	l	1		1		2200	\$1,870.00
74	2582.503	8" SOLID LINE PAINT	LINFT	\$0.85												
75	2582.503	4" DOUBLE SOLID LINE PAINT	LINFT	\$0.85	350	\$297.50									350	\$297.50
					********					*** *** **		*** *** ***				
	MATED CONST FINGENCIES (1	RUCTION COST:		\$3,940,105.78 \$591,015.87	87.0087%	\$558,060.66 \$83,709.10	1.30%	\$8,318.94 \$1,247.84	8.58%	\$55,042.63 \$8,256.39	2.11%	\$13,562.36 \$2,034.35	1.00%	\$6,399.95 \$959.99	100%	\$641,384.54 \$96,207.68
	TINGENCIES (1 TOTAL:	D76).		\$591,015.87 \$4.531.121.65		\$83,709.10		\$1,247.84	-	\$8,256.39	:	\$2,034.35 \$15.596.71	=	\$959.99	16.28%	
		AL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$1,132,780.41		\$160,442.44		\$2,391.70		\$15,824.75		\$3,899.18		\$1,839.99	10.20%	\$184,398.05
		PROJECT COST:		\$5,663,902.06		\$802,212.20		\$11,958.48	-	\$79,123.77	•	\$19,495.89	-	\$9,199.93		\$921,990.27

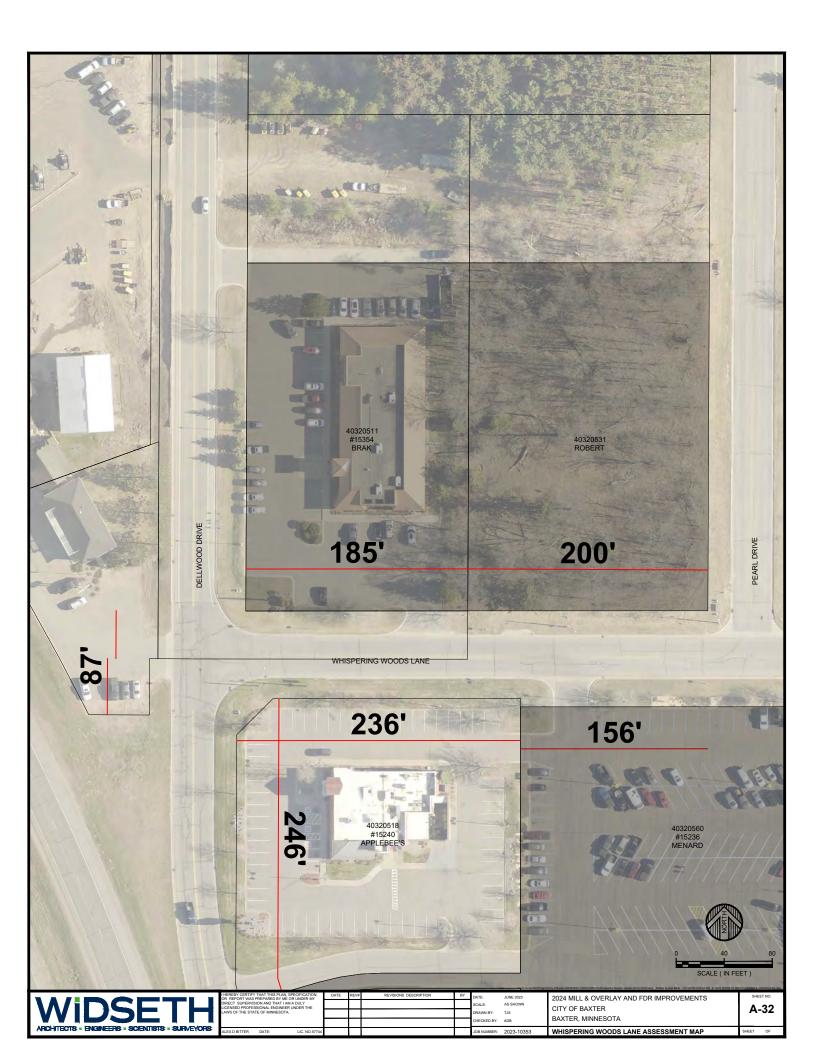


					NOVOTNY ROAD									
		T									ì		1.1	
ITEM NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	CITY ROA	TOTAL COST	STORM S ESTIMATED QUANTITY	TOTAL COST	SANITARY ESTIMATED QUANTITY	SEWER TOTAL COST	WATE	TOTAL COST	TOTAL PRI	OJECT TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.81	\$8.100.00	0.13	\$1,300.00	0.03	\$300.00	0.03	\$300.00	ESTIMATED QUANTITY	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00	0.81	\$8,100.00	0.13	\$1,300.00	1	\$235.00	0.03	\$300.00	1	\$235.00
3	2104.502	REMOVE CASTING (STORM)	EACH	\$235.00			7	\$1,645.00					7	\$1,645.00
4	2104.502	REMOVE SIGN	EACH	\$40.00	3	\$120.00							3	\$120.00
5	2104.502	REMOVE MAIL BOX SUPPORT SAWING CONCRETE PAVEMENT (FULL DEPTH)	EACH LIN FT	\$45.00 \$7.50			ļ							
- 6 - 7	2104.503 2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH) SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00	60	\$240.00	28	\$112.00	27	\$108.00			115	\$460.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00										
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00	511	\$2,044.00	120	\$480.00					631	\$2,524.00
10	2104.504	REMOVE CONCRETE PAVEMENT	SQYD	\$10.00										
11	2104.504	REMOVE BITUMINOUS PAVEMENT DITCH EXCAVTION	SQ YD SQ YD	\$6.00 \$10.00			5	\$32.67	11	\$65.33			16	\$98.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50										
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	3	\$900.00							3	\$900.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	129	\$2,068.89							129	\$2,068.89
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00	295	\$4,433.33							296	\$4,433.33
17	2123.510	COMMON LABORERS	HOUR	\$100.00 \$145.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	6	\$600.00 \$870.00	24	\$2,400.00 \$3,480.00
18	2123.610	SKID LOADER STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$145.00 \$200.00	6	\$1 200 00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	24 24	\$3,480.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00		\$1,200.00		\$1,200.00	, and	\$1,200.00	12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	1330	\$2,660.00							1330	\$2,660.00
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00										
23	2301.504	CONCRETE PAVEMENT 8*	SQYD	\$90.00			ļ							
24 25	2302.518	SPOT FULL DEPTH REPAIR BITUMINOUS DRIVEWAY REPLACEMENT	SQ FT SQ YD	\$2.50 \$45.00		 	1		1		 			
25 26	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT TYPE SP 9.5 WEARING COURSE MIX (3.C)	SQ YD TON	\$45.00 \$95.00	241	\$22,885.14	1	\$86.03	2	\$189.28			244	\$23,160,45
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00	241	\$20,476.18	1	\$76.98	2	\$169.35			244	\$20,722.51
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00										
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00										-
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00										
31 32	2503.602 2503.603	CONNECT TO EXISTING SANITAY SEWER 8° PIPE SEWER	EACH LIN FT	\$1,850.00 \$85.00										
32	2503.603	8" PIPE SEWER HYDRANT	EACH	\$85.00										
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00										
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00										
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00										
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00							3	\$975.00	3	\$975.00
38 39	2504.602 2504.602	VALVE BOX MID SECTION WATERMAIN TEE	EACH EACH	\$250.00 \$6,500.00	-		-		 		1	\$250.00	1	\$250.00
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00					1	\$1,200.00			1	\$1,200.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00										
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00			6	\$9,300.00					6	\$9,300.00
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00			1	\$1,300.00					- 1	\$1,300.00
44 45	2506.503 2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020 CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$1,000.00 \$500.00			ļ							
45	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00			2	\$4,000.00					2	\$4,000.00
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00			0.125	\$75.00	0.125	\$75.00			0	\$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00										
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00										
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50										
51 52	2521.518 2531.503	3" BITUMINOUS WALK CONCRETE CURB & GUTTER DESIGN B624	SQ FT LIN FT	\$3.50 \$24.00	511	\$12.272.40	120	\$2.880.00					631	\$15.152.40
53	2531.503	6° CONCRETE DRIVEWAY PAVEMENT	SQYD	\$24.00 \$75.00	511	912,212.MJ	120	\$2,000.00					631	910,102.40
54	2531.604	8" CONCRETE VALLEY GUTTER	SQYD	\$97.50										
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00										
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00										
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.81	\$2,430.00	0.13	\$390.00	0.03	\$90.00	0.03	\$90.00	1	\$3,000.00
58 59	2564.518 2573.502	SIGN PANELS TYPE C STORM DRAIN INLET PROTECTION	SQ FT EACH	\$60.00 \$165.00	16	\$975.00	6	\$990.00	1				16	\$975.00 \$990.00
60	2573.502	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00	178	\$890.00	1		1		1	1	178	\$890.00
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00	178	\$712.00							178	\$712.00
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	1	\$1,200.00							1	\$1,200.00
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	38	\$1,710.00	1		1				38	\$1,710.00
64 65	2574.508 2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING) FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75 \$1.75	4	\$7.35	1		1		 		4	\$7.35
65 66	2574.508 2575.504	FERTILIZER TYPE 3 (22-5-10) (SOD) SOD TYPE LAWN	POUND SQ YD	\$1.75 \$17.50	333	\$5,833.33	1		1		 	l	333	\$5.833.33
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50	8	\$44.00							8	\$44.00
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	8	\$58.80							8	\$58.80
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	147	\$514.50							147	\$514.50
70 71	2575.523	WATER SEEDING	MGAL ACRE	\$45.00 \$600.00	10 0.07	\$450.00 \$42.00	1		1		l		10 0.07	\$450.00
71	2575.605 2582.503	SEEDING 4" SOLID LINE PAINT	ACRE LIN FT	\$600.00	580	\$42.00	1		1				0.07 580	\$42.00 \$493.00
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85										
74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85										
75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85	40	\$34.00							40	\$34.00
CONT	INGENCIES (STRUCTION COST: (15%):		\$3,940,105.78 \$591,015.87	73%	\$14,202.59	20%	\$3,800.65	4%	\$765.29	3%	\$642.75	100%	\$19,411.29
	OTAL:	GAL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$4,531,121.65 \$1,132,780.41		\$108,886.52 \$27,221.63		\$29,138.33 \$7,284.58		\$5,867.25 \$1,466.81		\$4,927.75 \$1,231.94	3.28%	\$148,819.86 \$37,204.96
		GAL, FINANCE, ADMIN AND OTHER COSTS (25%): L PROJECT COST:		\$1,132,780.41 \$5.663.902.06		\$136,108,15	-	\$7,284.58	-	\$1,466.81	-	\$1,231.94		\$37,204.96
	5.4				-			,		,,,		,		,



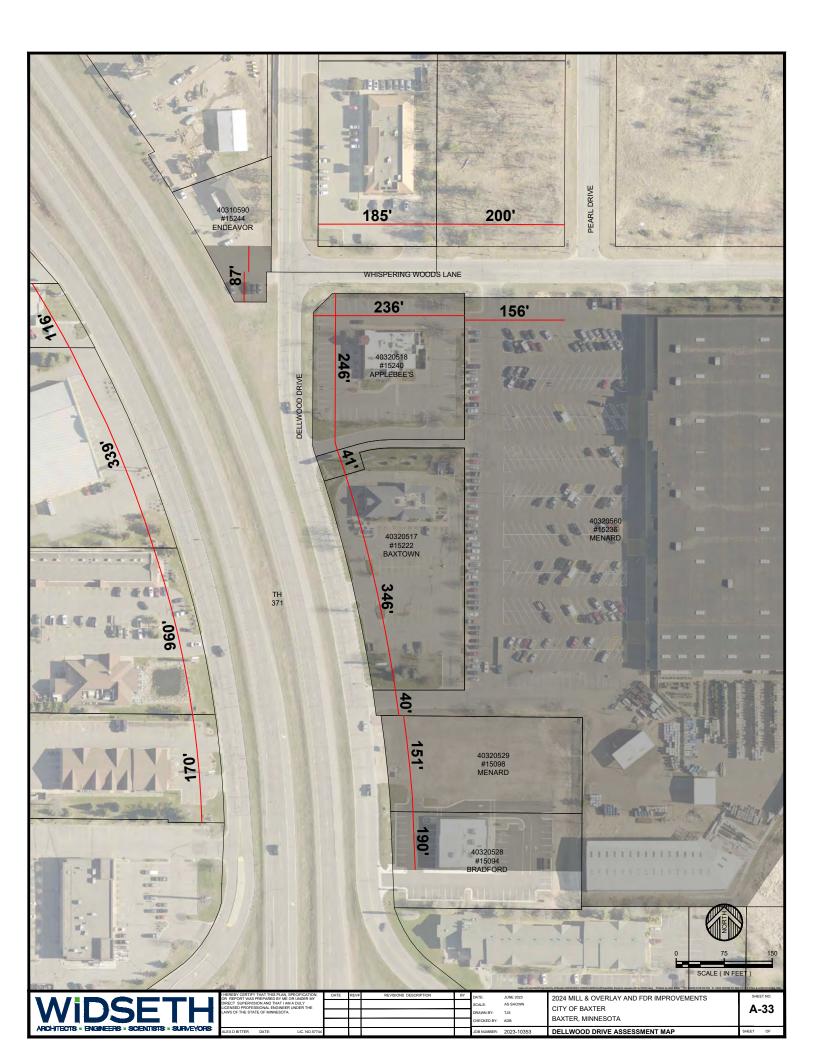
2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, MN Monday, December 11, 2023

									WHISPERING					
ITEM					ASSESSABLE ROADWAY STORM SEWER			SANITARY	SEWER	WATER		TOTAL PROJECT		
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.85	\$8,500.00	0.10	\$1,000.00	0.02	\$200.00	0.03	\$300.00	1	\$10,000.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00					1	\$235.00			1	\$235.00
3	2104.502	REMOVE CASTING (STORM)	EACH FACH	\$235.00 \$40.00	8	\$320.00	4	\$940.00					4 8	\$940.00 \$320.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00	1	\$45.00							1	\$45.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50										
7 8	2104.503 2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH) REMOVE SEWER PIPE (SANITARY)	LIN FT	\$4.00 \$15.00	88	\$352.80			28	\$112.00			116	\$464.80
9	2104.503	REMOVE SEWER PIPE (SANITARY) REMOVE CURB & GUTTER	LIN FT	\$15.00	690	\$2,759.40	80	\$320.00					770	\$3,079.40
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00	90	\$903.00							90	\$903.00
11	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$6.00	133	\$800.10			5	\$32.67			139	\$832.77
12	2105.604	DITCH EXCAVTION SHOULDER PREPARATION	SQ YD LIN FT	\$10.00 \$0.50										
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	5	\$1,500.00							5	\$1,500.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	180	\$2,874.67							180	\$2,874.67
16 17	2105.607 2123.510	COMMON EXCAVATION COMMON LABORERS	CU YD HOUR	\$15.00 \$100.00	431	\$6,468.00 \$600.00	6	\$600.00	6	\$600.00	6	\$600.00	431 24	\$6,468.00 \$2,400.00
18	2123.610	SKID LOADER	HOUR	\$145.00	6	\$870.00	6	\$870.00	6	\$870.00	6	\$870.00	24	\$3,480.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	24	\$4,800.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00							12	\$420.00
21	2215.504	FULL DEPTH RECLAMATION MILL BITUMINOUS SURFACE (2.0°)	SQ YD SQ YD	\$2.00 \$2.00	1940	\$3,880.80							1940	\$3,880.80
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00	10	\$900.00							10	\$900.00
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50										
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00	133 351	\$5,985.00 \$33,388.22	1		1	\$86.03			133	\$5,985.00
26 27	2360.509 2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C) TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$95.00 \$85.00	351 351	\$33,388.22 \$29,873.67			1	\$86.03 \$76.98			352 352	\$33,474.25 \$29,950.65
28	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$75.00	331	ga.s,013.07	1		· ·	¥10.30				**********
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00										
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00										
31 32	2503.602 2503.603	CONNECT TO EXISTING SANITAY SEWER 8' PIPE SEWER	EACH LIN FT	\$1,850.00 \$85.00										
33	2503.603	HYDRANT	EACH	\$5,500.00										
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00										
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00										
36 37	2504.602 2504.602	WATERMAIN EXPLORATORY EXCAVATION ADJUST VALVE BOX	HOUR EACH	\$700.00 \$325.00							4	\$1,300.00	4	\$1,300.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00							2	\$500.00	2	\$500.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00										
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00					1	\$1,200.00			1	\$1,200.00
41 42	2506.502 2506.502	CASTING ASSEMBLY (STORM 700-7) CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH EACH	\$1,200.00 \$1,550.00			4	\$6,200.00					4	\$6,200.00
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00			1	*********						\$0,200.00
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00										
45 46	2506.503 2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN H RECONSTRUCT DRAINAGE STRUCTURE	LIN FT EACH	\$500.00 \$2.000.00			6	\$12,000.00					6	\$12,000.00
46	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00			0.125	\$12,000.00	0.125	\$75.00			0	\$12,000.00 \$150.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00										
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00										
50 51	2521.518 2521.518	6" CONCRETE WALK 3" BITUMINOUS WALK	SQ FT SQ FT	\$17.50 \$3.50										
52	2521.518	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$3.50	657	\$15,768.00	80	\$1,920.00					737	\$17,688.00
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00		4-0,1-0		***************************************						· · · · · · · · · · · · · · · · · · ·
54	2531.604	8° CONCRETE VALLEY GUTTER	SQ YD	\$97.50	62	\$6,045.00							62	\$6,045.00
55 56	2531.618 2540.602	TRUNCATED DOMES MAIL BOX SUPPORT	SQ FT EACH	\$65.00 \$125.00		\$125.00	1						1	\$125.00
56 57	2540.602 2563.601	MAIL BOX SUPPORT TRAFFIC CONTROL	LUMP SUM	\$125.00 \$3,000.00	0.85	\$125.00	0.10	\$300.00	0.02	\$60.00	0.03	\$90.00	1	\$3,000.00
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	38	\$2,250.00							38	\$2,250.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00			4	\$660.00	,				4	\$660.00
60 61	2573.503 2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER SILT FENCE TYPE MS	LIN FT	\$5.00 \$4.00			ļ							
62	2573.503	STABILIZED CONSTRUCTION EXIT	EACH	\$4.00	1	\$1,200.00							1	\$1,200.00
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	58	\$2,610.00							58	\$2,610.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	7	\$11.55			,				7	\$11.55
65 66	2574.508 2575.504	FERTILIZER TYPE 3 (22-5-10) (SOD) SOD TYPE LAWN	POUND SQ YD	\$1.75 \$17.50			1						<u> </u>	
66	2575.504 2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$17.50 \$5.50	13	\$71.50			 		 		13	\$71.50
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	13	\$92.40	<u> </u>						13	\$92.40
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	231	\$808.50			,				231	\$808.50
70 71	2575.523 2575.605	WATER SEEDING	MGAL ACRE	\$45.00 \$600.00	10 0.11	\$450.00 \$66.00	1		-		-		10	\$450.00 \$66.00
72	25/5.605	4" SOLID LINE PAINT	LIN FT	\$0.85	V.11	900.00								\$00.00
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	112	\$95.20							112	\$95.20
74 75		8" SOLID LINE PAINT 4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85 \$0.85	350	\$297.50	1						350	\$297.50
/5	2582.503	* DOUBLE SULID LINE PAIN!	LINFI	\$0.85	350	\$297.50	1			l			350	\$297.50
CONT SUBT ENGII	TINGENCIES (OTAL: NEERING, LE	TRUCTION COST: (15%): GAL, FINANCE, ADMIN AND OTHER COSTS (25%): L PROJECT COST:		\$3,940,105.78 \$591,015.87 \$4,531,121.65 \$1,132,780.41 \$5,663,902.06	79%	\$134,081.31 \$20,112.20 \$154,193.50 \$38,548.38 \$192,741.88	15%	\$26,085.00 \$3,912.75 \$29,997.75 \$7,499.44 \$37,497.19	3%	\$4,747.68 \$712.15 \$5,459.83 \$1,364.96 \$6,824.79	3%	\$4,860.00 \$729.00 \$5,589.00 \$1,397.25 \$6,986.25	100% 4.31%	\$169,773.99 \$25,466.10 \$195,240.08 \$48,810.02 \$244,050.11



2024 MILL 8 OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, NN Month, Documber 11, 2023

Monda	, December 1	1, 2023														
										DELLW	OOD DRIVE					
					ASSESSABLE	ROADWAY	CITY TURN	LANE	STORM S		SANITARY	SEWER	WATI	ER	TOTAL PI	ROJECT
ITEM NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST
							ESTIMATED QUANTITY						ESTIMATED QUANTITY		ESTIMATED QUANTITY	
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.64	\$8,400.00	0.09	\$900.00	0.21	\$2,100.00	0.03	\$300.00	0.03	\$300.00	1	\$10,000.00
2	2104.502 2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00							3	\$705.00			3	\$705.00 \$2.350.00
3	2104.502	REMOVE CASTING (STORM) REMOVE SIGN	EACH EACH	\$235.00 \$40.00	8	\$320.00	'	\$235.00	9	\$2,115.00					10 8	\$2,350.00 \$320.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00	2	\$90.00									2	\$320.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LINET	\$7.50	16	\$120.00	5	\$40.05							21	\$160.05
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LINFT	\$4.00	153	\$613.20	167	\$668.00			84	\$336.00			404	\$1,617.20
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LINFT	\$15.00							35	\$525.00			35	\$525.00
9	2104.503	REMOVE CURB & GUTTER	LINFT	\$4.00	1945	\$7,778.40	73	\$292.00	180	\$720.00					2198	\$8,790.40
10	2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	\$10.00	111	\$1,113.00	29	\$290.00							140	\$1,403.00
11	2104.504 2105.604	REMOVE BITUMINOUS PAVEMENT DITCH EXCAVTION	SQ YD	\$6.00	64	\$384.30	174	\$1,044.00			16	\$98.00			254	\$1,526.30
12	2112.603	SHOULDER PREPARATION	SQ YD LIN FT	\$10.00 \$0.50												
14	2112.603	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	5	\$1.500.00										\$1,500.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	167	\$2,675.56									167	\$2,675.56
16	2105.607	COMMON EXCAVATION	CUYD	\$15.00	401	\$6,020.00									401	\$6,020.00
17	2123.510	COMMON LABORERS	HOUR	\$100.00	6	\$600.00	6	\$800.00	6	\$600.00	6	\$600.00	6	\$800.00	30	\$3,000.00
18	2123.610	SKID LOADER	HOUR	\$145.00	6	\$870.00	6	\$870.00	6	\$870.00	6	\$870.00	6	\$870.00	30	\$4,350.00
19	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	6	\$1,200.00	30	\$6,000.00
20	2211.607	AGGREGATE BASE SPECICAL (CV)	CU YD	\$35.00	12	\$420.00	15	\$525.00				-	1		27	\$945.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	1806	\$3,612.00									1806	\$3,612.00
22	2232.504	MILL BITUMINOUS SURFACE (2.0°)	SQ YD	\$2.00					ļ						l	
23	2301.504	CONCRETE PAVEMENT 8*	SQ YD	\$90.00	111	\$9,990.00	29	\$2,610.00							140	\$12,600.00
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50					1		-		1		l	
25 26	2302.604	BITUMNOUS DRIVEWAY REPLACEMENT TYPE SP 9 5 WEARING COURSE MIX (3.C)	SQ YD TON	\$45.00 \$95.00	84	\$2,880.00	81	\$3,622.50 \$2.994.00	 		3	8275.31	 	 	145	\$6,502.50 \$34.344.92
28	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C) TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$95.00 \$85.00	327 327	\$31,075.62 \$27,804.50	32 32	\$2,994.00	1		3	\$275.31 \$246.33	1		362 362	\$34,344.92 \$30,729.67
28	2503.503	17PE SP 12.5 NON-WEARING COURSE MIX (3,B) 12° RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	\$85.00 \$75.00	341	927,009.00	32	\$2,070.04	12	\$900.00	3	\$240.33	1		362 12	\$30,729.67 \$900.00
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00			1			4800.00	1	\$500.00	 		1	\$500.00
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00					1	\$1,300.00			†		1	\$1,300.00
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00						47,000	3	\$5.550.00			3	\$5,550.00
32	2503.603	8" PIPE SEWER	LINFT	\$85.00							35	\$2,975.00			35	\$2,975.00
33	2504.502	HYDRANT	EACH	\$5,500.00												
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00												
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00												
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00												
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00									10	\$3,250.00	10	\$3,250.00
38	2504.602 2504.602	VALVE BOX MID SECTION WATERMAIN TEE	EACH EACH	\$250.00 \$6.500.00									5	\$1,250.00	5	\$1,250.00
40	2504.602 2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH								3				3	
41	2506.502 2506.502	CASTING ASSEMBLY (SANITARY 700-7) CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00						\$1,200.00	3	\$3,600.00			1	\$3,600.00
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,200.00			1	\$1,550.00		\$13,950.00					10	\$1,200.00
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00				V 1/100100	-	***************************************						***************************************
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LINFT	\$1,000.00							8	\$8,000.00			8	\$8,000.00
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LINFT	\$500.00					4.8	\$2,400.00					5	\$2,400.00
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00			1	\$2,000.00	14	\$28,000.00					15	\$30,000.00
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00			0.125	\$75.00	0.125	\$75.00	0.125	\$75.00			0.38	\$225.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LINFT	\$1,400.00							3	\$4,200.00			3.00	\$4,200.00
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LINFT	\$500.00							2	\$1,000.00			2	\$1,000.00
50 51	2521.518	6" CONCRETE WALK	SQ FT SQ FT	\$17.50												
51	2521.518	3" BITUMINOUS WALK CONCRETE CURR & QUITTER DESIGN RICH	SQFT	\$3.50 \$24.00	1945	\$46,690,00	73	\$1.752.00	180	84 320 00					2198	842 752 00
52	2531.503 2531.504	6° CONCRETE DRIVEWAY PAVEMENT	SQYD	\$75.00	1940	\$40,000.00	13	\$1,702.00	100	\$4,320.00			1	1	2130	\$02,702.00
54	2531.604	8° CONCRETE VALLEY GUTTER	SQYD	\$97.50	87	\$8,497.13			l				l		87	\$8,497.13
55	2531.618	TRUNCATED DOMES	SQFT	\$65.00			1		1				1			
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	2	\$250.00									2	\$250.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	0.64	\$1,920.00	0.09	\$270.00	0.21	\$630.00	0.03	\$90.00	0.03	\$90.00	1	\$3,000.00
58	2584.518	SIGN PANELS TYPE C	SQFT	\$60.00	33	\$1,980.00									33	\$1,980.00
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00			1	\$165.00	9	\$1,485.00					10	\$1,650.00
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LINFT	\$5.00												
61	2573.503	SILT FENCE, TYPE MS	LINFT	\$4.00					1		-		1		l	
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	1	\$1,200.00									1	\$1,200.00
63 64	2574.507 2574.508	SCREENED TOPSOIL BORROW FERTILIZER TYPE 3 (10-10-20) (SEEDING)	CU YD POUND	\$45.00 \$1.75	118	\$5,310.00 \$10.50	59	\$2,655.00 \$5.25	-				 		177	\$7,965.00 \$15.75
65	2574.508 2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING) FERTILIZER TYPE 3 (22-A-10) (SOD)	POUND	\$1.75	•	\$10.50	3	\$0.40	1				1		·	\$15.75
66	2574.508 2575.504	SOD TYPE LAWN	SQ YD	\$17.50			1		 		1		 		l	
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50	12	\$86.00	6	\$33.00	1				†		18	\$99.00
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	12	\$84.00	6	\$42.00	1				†		18	\$126.00
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	210	\$735.00	100	\$350.00	1				1		310	\$1,085.00
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00	10	\$450.00							20	\$900.00
71	2575.605	SEEDING	ACRE	\$600.00	0.10	\$60.00	0.06	\$30.00							0	\$90.00
72	2582.503	4" SOLID LINE PAINT	LINFT	\$0.85	279	\$237.15						-	1		279	\$237.15
73	2582.503	4" BROKEN LINE PAINT	LINFT	\$0.85												
74	2582.503	8" SOLID LINE PAINT	LINFT	\$0.85	48	\$40.80									48	\$40.80
75	2582.503	4" DOUBLE SOLID LINE PAINT	LINFT	\$0.85	1015	\$862.75	1		1		1		1	1	1015	\$862.75
CONT SUBT ENGI	INGENCIES (1 OTAL: NEERING, LEG	AL, FINANCE, ADMIN AND OTHER COSTS (25%):		\$3,940,105.78 \$591,015.87 \$4,531,121.65 \$1,132,780.41	57%	\$173,849.90 \$26,077.48 \$199,927.38 \$49,981.84	9%	\$4,192.00 \$32,138.63 \$8,034.66	20%	\$9,279.75 \$71,144.75 \$17,786.19	10%	\$31,145.64 \$4,671.85 \$35,817.49 \$8,954.37	3%	\$1,134.00 \$8,694.00 \$2,173.50	100% 7.67%	\$45,355.08 \$347,722.25 \$86,930.56
ESTI	MATED TOTAL	PROJECT COST:		\$5,663,902.06		\$249,909.22		\$40,173.29		\$88,930.94	•	\$44,771.86		\$10,867.50		\$434,652.81



2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, MN Monday, December 11, 2023

March Marc			COMMERCIAL OTHER IMPROVEMENTS GARRISON ROAD												
						STORMS	EWED	CANITADY	EWED		ROAD			IECT	
1	NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE						TOTAL COST				i e
	1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.26	\$2,600.00	0.09	\$900.00				\$6,500.00	1	\$10,000.00
1 100	2							3	\$705.00					3	
2 10 10 10 10 10 10 10						4	\$940.00							4	\$940.00
1 Description Communication Communicat														-	
1 10 10 10 10 10 10 10	6											22	\$165.00	22	\$165.00
								84	\$336.00					84	\$336.00
1 10 20 20 20 20 20 20							****								
1			REMOVE CURB & GUTTER PEMOVE CONCRETE DAVEMENT			80	\$320.00					47	\$465.50		
10 10 10 10 10 10 10 10	11							16	\$98.00			504			
1	12			SQ YD											l
1															
10 10 10 10 10 10 10 10														-	
7 1902 CARROLLOPORTS 1902 1 1902 2 1902 1 1902 1 1903															
10 10 10 10 10 10 10 10	17					2	\$200.00	2	\$200.00			2	\$200.00	6	\$600.00
10	18					2		2				2		6	
1						2	\$400.00	2	\$400.00			2		6	
20 2015 10 10 10 10 10 10 10												12	\$420.00	12	\$420.00
20 2002 COTTAL COTTAL CONTRACT CONCESS COTTAL COTTAL CONTRACT CONCESS COTTAL COTTAL COTTAL CONCESS COTTAL COT	21											1		1	i
20 200.000 PRINCESCONTINUE AND PRINCESCO	23		CONCRETE PAVEMENT 8"												
20 2002 Prof. P. S. SERGAN, COMER MO. 10 200	24														
27 20.000 TYPE PLANES AND AND AND COLORES MAY 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10							PEED 22		2177.00					7 2255525	**************************************
20 20030 Comment C								1 2				1			
20 2010	28					Ť						1			,
20 200.000 COMENT DESCRIPTION SAMEN SERVICE 1.0 1.	29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM											
20 200.000 Pref Scients	30														
20 200.000 100.00000 100.0000 100.0000 100.0000 100.0000 100.0000 100.															
20 200.003 PORTON PROTECTION OF STATE SACRED SA														ł	$\overline{}$
20 200-000 CONTINUE CONT	34														
32 200.000 CANTON CASE MAY SECTION CACH 150.000	35														
30 200-062 100-062															
20 200										4				4	
20 200 20 200 20 200 2										,	\$1,000.00			1	\$1,000.00
12 200602 CANTROLASSEMENT PROTON MERSHAN ASSESSMENT PROTON MERSH	40							3	\$3,600.00					3	\$3,600.00
20 200	41														
March 200.0639 CONSTRUCT DRAWAGE STRUCTURE 1 1 1 1 1 1 1 1 1						4	\$6,200.00							4	\$6,200.00
46 296.863 CONSTRUCT DEMANDES STRUCTURE DESIGN LINFT 1960.860						l								-	
## 250602 RECONSTRUCT GRANAGE STRUCTURE ## 250602 RECONSTRUCT GRANAGE STRUCTURE ## 250603 CONSTRUCT RE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRUCTURE STRUCTURE ## 250603 CONSTRU															
48 2086803 ONNETRIC CUTING DROPF LIFT \$1,000.00	46				\$2,000.00										i
50 2015 50 2015 50 2015 50 50 50 50 50 50 50	47					0.125	\$75.00	0.125	\$75.00					0.25	\$150.00
50 2011-08 COLORESTE WALK SOFT S11-00 S10-00														-	
\$15 \$251.568 \$\text{PSTUMENOUS WALK}\$ \$25 \$251.500 \$CONCRETE CARRONALY PASSESSEY********************************												778	\$13.615.00	778	\$13,615,00
\$23 231.564 \$ CORNERTE ORNOWNY PARAMENT \$0.00 \$17.00 \$1.00 \$	51													4329	
\$4 231.604 8 CORNETE VALLEY GUTTER	52					80	\$1,920.00							80	\$1,920.00
55 2514-618 TRUMCATED COMES															
58 258-502 MAL BOX SUPPORT EACH \$11500 D 20 ST7000 D 30 SUPPORT DATE CONTINUE. LIMPS SUM \$13,000.00 D 30 ST700.00 D 377.00 D 377.00 D 31,500.00 D 1 \$3,000.00 D 30 ST700.00 D 377.00 D								-				49	\$3,185.00	49	\$3 195 00
98	56							<u> </u>						1	\$5,100.00
98 257-362 STORM DRAN NELT PROTECTION 61 2573-562 STORM DRAN NELT PROTECTION 61 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 61 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 61 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 61 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 61 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 61 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 61 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 62 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 63 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 64 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 64 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 65 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 66 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 67 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 68 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 69 2573-563 SEBMENT CONTINUE WOOD FIRE N. IN.FT 150.00 60 SEBMENT CONTINUE WOOD FIRE N	57					0.26	\$780.00	0.09	\$270.00			0.65	\$1,950.00	1	\$3,000.00
50 2973-50 SEDIMATIO CONTROLLOD PREW MOOD FREE LINFT \$5.00	58														
61 S273-00 SILTERIOR, TYPE MS														11	
## 273-201 STABLEZ CONSTRUCTION EXT EACH \$13,000	61														
## 597-4.00 #FERTUREST PYES (10-10-30) #FERTURES	62		STABILIZED CONSTRUCTION EXIT					1						11	
95 297-5-06 REFRILIZER TYPE 3 (22-5-10) (SDC) PPC-MIN 51.75 50 277-5-06 50 297-5-0	63											88	\$3,960.00		
10 2571.564 2507.10F LAWR 25.070 2571.569	64					5	\$8.40							4.8	\$8.40
97 2973-09 SEED MATURE 2-111 (TEMPORARY SEEDING) POUND \$1-50 10 \$150.00 10 \$150.00 10 \$150.00 10 \$150.00 10 \$150.00 10 \$150.00 10 \$170		201 11000										1		H	
68 597-568 SEED MUTURE 25-151 POUND \$79.00 10	67											10	\$55.00	10	\$55.00
90 273-5:09 NYDRALLO RENORCED PRER NATEX POUND \$1:00 \$	68											10	\$70.00		
71 2925-205 SEEDING	69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50										
72 2926203 # SOLIDAE PAINT LINFT 50.06								-							
77 20 20 20 0 F BROKENINE PART LINFT 50 0 LINF 7 20 20 20 0 F SULD LINE PART LINFT 50 0 S S SULD LINE SOLUTION FOR SULD LINE SULD L												0.08	\$48.00	80.0	\$48.00
74 2982.503 # SOLD LINE PAINT LIN FT 50.85 SD. ST. (10.1 MR PAINT) SD.															i
ESTIMATED CONSTRUCTION COST: \$3,940,105.78 \$24% \$18,919.77 9% \$7,175.88 3% \$2,200.00 64% \$50,537.00 100% \$78,932.64 CONTINGENUES (15%): \$591,015.87 \$2,237.97 \$1,076.38 \$345.00 \$7,500.55 \$71,000.55 \$	74	2582.503	8" SOLID LINE PAINT	LIN FT	\$0.85										
CONTINCENCIES (15%): \$591,015.87 \$2,287.97 \$1,076.38 \$34.500 \$7,580.55 \$11,283.99 \$1,076.28 \$1,077.254 \$1,077.	75	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$0.85				l		l	1	l	l	
CONTINCENCIES (15%): \$891,015.87 \$2.837.97 \$1.076.38 \$345.00 \$7.500.55 \$11,339.90 \$1.076.38 \$1.076.38 \$1.076.39 \$1.076.38 \$1.076.39 \$1.0	ESTIM	MATED CONST	TRUCTION COST:		\$3 940 105 78	24%	\$18 919 77	9%	\$7 175 88	3%	\$2,300,00	64%	\$50 537 00	100%	\$78.932.64
SUBTOTAL: \$4,531,121.65 \$21,757.73 \$8,252.26 \$2,645.00 \$58,117.55 2.00% \$90,772.54 ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%): \$1,132,780.41 \$5,439.43 \$2,083.06 \$661.25 \$14,529.39 \$22,683.13	CONT	INGENCIES (1				2-7/		0.00		5,0		0470		10070	
	SUBT	OTAL:						-		-		-		2.00%	
COLIMATEU IDIAL PROJECTI CODI: \$5,053,992.05 \$27,197.17 \$10,315.32 \$3,006.29 \$77,646.94 \$113,465.67								=		=		=		=	
	ESIIN	IAIED IOTAL	PROJECT COST:		\$5,063,902.06	_	\$27,197.17		\$10,315.32		\$3,306.25		\$72,646.94		ş113,465.67

COMMERCIAL OTHER IMPROVEMENTS

2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, MN Monday, December 11, 2023

					ELDER DRIVE TRAIL						
ITEM					TE	RAIL	TOTAL PRO	JECT			
NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED QUANTITY	TOTAL COST	ESTIMATED QUANTITY	TOTAL COST			
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	0.65	\$6,500.00	0.65	\$6,500.00			
2	2104.502 2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00							
3	2104.502	REMOVE CASTING (STORM) REMOVE SIGN	EACH EACH	\$235.00 \$40.00			1				
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00							
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50	44	\$330.00	44	\$330.00			
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00							
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00							
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00							
10 11	2104.504 2104.504	REMOVE CONCRETE PAVEMENT REMOVE BITUMINOUS PAVEMENT	SQ YD SQ YD	\$10.00 \$6.00	250 2,140	\$2,500.00 \$12,840.00	250 2140	\$2,500.00 \$12,840.00			
12	2104.504	DITCH EXCAVTION	SQYD	\$10.00	2,140	\$12,840.00	2140	\$12,640.00			
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50							
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00							
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00							
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00							
17	2123.510	COMMON LABORERS	HOUR	\$100.00	2	\$200.00	2	\$200.00			
18	2123.610	SKID LOADER	HOUR	\$145.00	2	\$290.00	2	\$290.00			
19 20	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER) ACCRECATE BASE SPECICAL (CV)	HOUR CU YD	\$200.00 \$35.00	12	\$400.00 \$420.00	12	\$400.00			
21	2211.607 2215.504	AGGREGATE BASE SPECICAL (CV) FULL DEPTH RECLAMATION	SQ YD	\$35.00 \$2.00	12	\$#£U.UU	12	\$420.00			
22	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQYD	\$2.00			┧ ┣───── 				
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00			11				
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50							
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00							
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00							
27	2360.509	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B)	TON	\$85.00							
28 29	2503.503 2503.601	12" RC PIPE SEWER DESIGN 3006 CLASS V TRACER WIRE SYSTEM (SANITARY)	LIN FT LUMP SUM	\$75.00 \$500.00							
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00			1				
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00							
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00							
33	2504.502	HYDRANT	EACH	\$5,500.00							
34	2504.602	HYDRANT RESTORATION	EACH	\$2,500.00							
35	2504.602	6" GATE VALVE REPLACEMENT	EACH	\$1,500.00							
36	2504.602	WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$700.00							
37 38	2504.602 2504.602	ADJUST VALVE BOX VALVE BOX MID SECTION	EACH EACH	\$325.00 \$250.00			H				
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00			1				
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00							
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00							
42	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH	\$1,550.00							
43	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP)	EACH	\$1,300.00							
44	2506.503	CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,000.00							
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00							
46 47	2506.602 2506.602	RECONSTRUCT DRAINAGE STRUCTURE GROUT CATCH BASIN OR MANHOLE	EACH CU YD	\$2,000.00 \$600.00							
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00			∤				
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00			1				
50	2521.518	6" CONCRETE WALK	SQ FT	\$17.50	2,200	\$38,500.00	2200	\$38,500.00			
51	2521.518	3" BITUMINOUS WALK	SQ FT	\$3.50	19,230	\$67,305.00	19230	\$67,305.00			
52	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$24.00							
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00							
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50		\$13,000,00	l	A			
55 56	2531.618 2540.602	TRUNCATED DOMES MAIL BOX SUPPORT	SQ FT EACH	\$65.00 \$125.00	200	\$13,000.00	200	\$13,000.00			
57	2540.602	TRAFFIC CONTROL	LUMP SUM	\$125.00 \$3,000.00	0.65	\$1,950.00	0.65	\$1,950.00			
58	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00	5.00	ψ1,000.00	3.03	Ų.,300.00			
59	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$165.00			1				
60	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.00							
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00							
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00							
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00			∤				
64 65	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75 \$1.75			┤├───				
65 66	2574.508 2575.504	FERTILIZER TYPE 3 (22-5-10) (SOD) SOD TYPE LAWN	POUND SQ YD	\$1.75 \$17.50			∤				
67	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$5.50	50	\$275.00	50	\$275.00			
68	2575.508	SEED MIXTURE 25-151	POUND	\$7.00	200	\$1,400.00	200	\$1,400.00			
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	1,950	\$6,825.00	1950	\$6,825.00			
70	2575.523	WATER	MGAL	\$45.00	10	\$450.00	10	\$450.00			
71	2575.605	SEEDING	ACRE	\$600.00	0.50	\$300.00	0.5	\$300.00			
	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85			∤				
72											
72 73 74	2582.503 2582.503	4" BROKEN LINE PAINT 8" SOLID LINE PAINT	LIN FT	\$0.85 \$0.85							

ESTIMATED CONSTRUCTION COST: \$3,940,105.78 100% \$153,485.00 100% \$153,485.00 CONTINGENCIES (15%): \$591,015.87 \$23,022.75 \$23,022.75 \$4,531,121.65 \$176,507.75 \$176,507.75 ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%): \$1,132,780.41 \$44,126.94 \$220,634.69 \$220,634.69 ESTIMATED TOTAL PROJECT COST: \$5,663,902.06

2024 MILL & OVERLAY AND FULL DEPTH RECLAMATION IMPROVEMENTS PROJECT ENGINEER'S ESTIMATE AND ASSESSMENT CALCULATIONS BAXTER, MN Monday, December 11, 2023

						TOTAL
						AL PROJECT
ITEM NO.	SPEC NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	ESTIMATED	TOTAL 000T
					QUANTITY	TOTAL COST
1	2021.501	MOBILIZATION	LUMP SUM	\$10,000.00	25	\$246,500.00
2	2104.502	REMOVE CASTING (SANITARY)	EACH	\$235.00	78	\$18,330.00
4	2104.502 2104.502	REMOVE CASTING (STORM) REMOVE SIGN	EACH EACH	\$235.00 \$40.00	49 65	\$11,515.00 \$2,600.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	\$45.00	72	\$3,240.00
6	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$7.50	449	\$3,370.05
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.00	4,736	\$18,945.00
8	2104.503	REMOVE SEWER PIPE (SANITARY)	LIN FT	\$15.00	35	\$525.00
9	2104.503	REMOVE CURB & GUTTER	LIN FT	\$4.00	11,490	\$45,961.80
10 11	2104.504 2104.504	REMOVE CONCRETE PAVEMENT REMOVE BITUMINOUS PAVEMENT	SQ YD SQ YD	\$10.00 \$6.00	2,251 6,886	\$22,505.78 \$41,315.47
12	2105.604	DITCH EXCAVTION	SQ YD	\$10.00	1,500	\$15,000.00
13	2112.603	SHOULDER PREPARATION	LIN FT	\$0.50	21,726	\$10,863.00
14	2112.619	RECLAIMED AGGREGATE BASE PREPARATION	ROAD STA	\$300.00	119	\$35,700.00
15	2105.607	EXCAVATION SPECIAL	CU YD	\$16.00	3,884	\$62,137.63
16	2105.607	COMMON EXCAVATION	CU YD	\$15.00	3,169	\$47,537.78
17	2123.510	COMMON LABORERS	HOUR	\$100.00	318	\$31,800.00
18 19	2123.610	SKID LOADER	HOUR	\$145.00	318 318	\$46,110.00
19 20	2123.610 2211.607	STREET SWEEPER (WITH PICKUP BROOM AND WATER) AGGREGATE BASE SPECICAL (CV)	HOUR CU YD	\$200.00 \$35.00	318 545	\$63,600.00 \$19,075.00
21	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$2.00	38,938	\$77,876.40
22	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$2.00	36,341	\$72,681.00
23	2301.504	CONCRETE PAVEMENT 8"	SQ YD	\$90.00	677	\$60,897.00
24	2302.518	SPOT FULL DEPTH REPAIR	SQ FT	\$2.50	6,722	\$16,805.02
25	2302.604	BITUMINOUS DRIVEWAY REPLACEMENT	SQ YD	\$45.00	2,921	\$131,442.75
26	2360.509	TYPE SP 9.5 WEARING COURSE MIX (3,C)	TON	\$95.00	9,750	\$926,258.99
27 28	2360.509 2503.503	TYPE SP 12.5 NON-WEARING COURSE MIX (3,B) 12" RC PIPE SEWER DESIGN 3006 CLASS V	TON LIN FT	\$85.00 \$75.00	5,897	\$501,272.43 \$900.00
29	2503.601	TRACER WIRE SYSTEM (SANITARY)	LUMP SUM	\$500.00	1	\$500.00
30	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	\$1,300.00	1	\$1,300.00
31	2503.602	CONNECT TO EXISTING SANITAY SEWER	EACH	\$1,850.00	3	\$5,550.00
32	2503.603	8" PIPE SEWER	LIN FT	\$85.00	35	\$2,975.00
33	2504.502	HYDRANT	EACH	\$5,500.00	5	\$27,500.00
34 35	2504.602	HYDRANT RESTORATION	EACH EACH	\$2,500.00	5	\$12,500.00
36	2504.602 2504.602	6" GATE VALVE REPLACEMENT WATERMAIN EXPLORATORY EXCAVATION	HOUR	\$1,500.00 \$700.00	52	\$7,500.00 \$36,400.00
37	2504.602	ADJUST VALVE BOX	EACH	\$325.00	70	\$22,750.00
38	2504.602	VALVE BOX MID SECTION	EACH	\$250.00	41	\$10,250.00
39	2504.602	WATERMAIN TEE	EACH	\$6,500.00	10	\$65,000.00
40	2506.502	CASTING ASSEMBLY (SANITARY 700-7)	EACH	\$1,200.00	79	\$94,800.00
41	2506.502	CASTING ASSEMBLY (STORM 700-7)	EACH	\$1,200.00	1	\$1,200.00
42	2506.502 2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-DVSP)	EACH EACH	\$1,550.00	45	\$69,750.00
44	2506.502	CASTING ASSEMBLY (STORM NEENAH R-3250-EVSP) CONSTRUCT DRAINAGE STRUCTURE 48-4020	LIN FT	\$1,300.00 \$1,000.00	8	\$2,600.00 \$8,000.00
45	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	\$500.00	5	\$2,400.00
46	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	\$2,000.00	43	\$86,000.00
47	2506.602	GROUT CATCH BASIN OR MANHOLE	CU YD	\$600.00	4	\$2,175.00
48	2506.603	CONSTRUCT OUTSIDE DROP	LIN FT	\$1,400.00	3	\$4,200.00
49	2506.603	SANITARY MANHOLE EXCESS DEPTH	LIN FT	\$500.00	2	\$1,000.00
50 51	2521.518 2521.518	6" CONCRETE WALK 3" BITUMINOUS WALK	SQ FT SQ FT	\$17.50 \$3.50	3,036 29,079	\$53,130.00 \$101,776.50
51	2521.518	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	\$3.50	11,608	\$101,776.50 \$278,600.40
53	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	\$75.00	640	\$48,000.00
54	2531.604	8" CONCRETE VALLEY GUTTER	SQ YD	\$97.50	749	\$73,040.50
55	2531.618	TRUNCATED DOMES	SQ FT	\$65.00	284	\$18,460.00
56	2540.602	MAIL BOX SUPPORT	EACH	\$125.00	72	\$9,000.00
57	2563.601	TRAFFIC CONTROL	LUMP SUM	\$3,000.00	25	\$73,950.00
58 59	2564.518	SIGN PANELS TYPE C	SQ FT	\$60.00 \$165.00	359	\$21,525.00
59 60	2573.502 2573.503	STORM DRAIN INLET PROTECTION SEDIMENT CONTROL LOG TYPE WOOD FIBER	EACH LIN FT	\$165.00 \$5.00	42 3,572	\$6,930.00 \$17,860.00
61	2573.503	SILT FENCE, TYPE MS	LIN FT	\$4.00	2,772	\$11,088.00
62	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	\$1,200.00	14	\$16,800.00
63	2574.507	SCREENED TOPSOIL BORROW	CU YD	\$45.00	1,592	\$71,640.00
64	2574.508	FERTILIZER TYPE 3 (10-10-20) (SEEDING)	POUND	\$1.75	125	\$218.23
65	2574.508	FERTILIZER TYPE 3 (22-5-10) (SOD)	POUND	\$1.75	2,441	\$4,271.75
66	2575.504	SOD TYPE LAWN SEED MIXTURE 22-111 (TEMPORARY SEEDING)	SQ YD	\$17.50 \$5.50	4,269	\$74,701.67 \$1,210.00
67 68	2575.508 2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING) SEED MIXTURE 25-151	POUND	\$5.50 \$7.00	220 450	\$1,210.00 \$3,148.60
69	2575.508	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$3.50	6,296	\$22,036.00
70	2575.523	WATER	MGAL	\$45.00	260	\$11,700.00
71	2575.605	SEEDING	ACRE	\$600.00	3	\$1,578.00
72	2582.503	4" SOLID LINE PAINT	LIN FT	\$0.85	859	\$730.15
73	2582.503	4" BROKEN LINE PAINT	LIN FT	\$0.85	15,512 782	\$13,185.20 \$664.70
74 75	2582.503 2582.503	8" SOLID LINE PAINT 4" DOUBLE SOLID LINE PAINT	LIN FT LIN FT	\$0.85 \$0.85	6,760	\$664.70 \$5,746.00
			1		-,, 00	,

ESTIMATED CONSTRUCTION COST: CONTINGENCIES (15%): ENGINEERING, LEGAL, FINANCE, ADMIN AND OTHER COSTS (25%): ESTIMATED TOTAL PROJECT COST:

\$3,940,105.78 \$591,015.87 \$4,531,121.65 \$1,132,780.41 \$5,663,902.06

\$3,940,105.78 \$591,015.87 \$4,531,121.65 \$1,132,780.41 \$5,663,902.06

Appendix D

Project Schedule

2023-10353 56

PROPOSED PROJECT SCHEDULE 2024 Mill & Over and Full Depth Reclamation Improvements Project, CPF 4424 BAXTER, MN Wednesday, November 15, 2023

MAJOR TASKS AND MILESTONES	DATES	REMARKS	NOTES
Resolution Ordering Preparation of Feasibility Report	Tuesday, March 7, 2023	City Council Meeting	
Staff Review	July, 2023		
Preliminary Project Review	Wednesday, August 2, 2023	Utilities Commission Meeting	
Project Option Review	Tuesday, August 15, 2023	City Council Workshop	
Recommendation to Approve Feasibility Report	Wednesday, September 6, 2023	Utilities Commission Meeting	
Review Feasibility Report at Council Workshop	Tuesday, September 19, 2023	City Council Workshop	
Approve Survey to be Completed	Tuesday, October 3, 2023	City Council Meeting	
Public Information Meeting	Thursday, October 5, 2023		
Review Feasibility Report at Council Workshop	Tuesday, October 17, 2023	City Council Workshop	
Resolution Ordering Prepartion of Plans	Tuesday, November 7, 2023	City Council Meeting	
Review Assessments	Tuesday, November 21, 2023	City Council Workshop	
Review Assessments	Tuesday, December 5, 2023	City Council Workshop	
Resolution Receiving Feasibility Report and Calling Improvement Hearing	Tuesday, December 19, 2023	City Council Meeting	
Mailed Notice for Improvement Hearing	Friday, December 22, 2023	One notice at least 10 days prior to hearing	
First Published Notice for Improvement Hearing	Sunday, December 24, 2023	Twice in local newspaper, one week apart, last notice must be at least three days prior to hearing.	3
Second Published Notice for Improvement Hearing	Sunday, December 31, 2023	· · · · · · · · · · · · · · · · · · ·	
Improvement Hearing	Thursday, January 4, 2024		
Resolution Ordering Improvement	Tuesday, January 16, 2024	City Council Meeting	
Design and Preparation of Plans and Specifications	November 2023 - January 2024		
Review Plans and Specifications	Wednesday, February 7, 2024	Utilities Commission Meeting	
Resolution Approving Plans and Specifications and Ordering Advertisement for Bids	Tuesday, February 20, 2024	City Council Meeting	
Bidding Publication	Sunday, February 25, 2024	Publication must be made at least three weeks before last day to submit bids, at least once in official newspaper and once in trade paper or First Class city newspaper.	3,4
Bid Opening	Tuesday, March 19, 2024	By default bid remains subject to acceptance for 60 days after the Bid opening.	
Resolution Ordering Assessment Hearing	Tuesday, April 2, 2024	City Council Meeting	
Mailed Notice for Assessment Hearing	Friday, April 5, 2024	One notice at least two weeks prior to hearing	
Published Notice for Assessment Hearing	Sunday, April 7, 2024	Once in local newspaper at least two weeks prior to hearing.	3,4
Bid review with Utilities Commission	Wednesday, April 3, 2024	Utilities Commission Meeting	
Assessment Hearing	Thursday, April 25, 2024		
Resolution Adopting Assessment Rolls		City Council Meeting	
Resolution Accepting Bids	Tuesday, May 7, 2024	City Council Meeting	
Notice of Award	Tuesday, May 7, 2024	City Council Meeting. Contractor has 15 days to deliver signed agreement, bonds, and insurance certificates.	
End of Assessment Appeal Period	Thursday, June 6, 2024	Appeals to district court must be made within 30 days after adoption of the assessment roll.	
Pre-Construction Meeting	End of May 2024		
Public Information Meeting - Construction	June, 2024		
Begin Construction	June, 2024		
•	•	3 Months of Full Time Construction	
Construction Complete	Summer/Fall 2024	1	
,			

NOTES

- City Council Meetings held on 1st and 3rd Tuesdays of each month @ 7:00 p.m.

 Utilities Commission Meetings held on 1st Wednesday after the 1st Council Meeting of the month @ 5:30 p.m.

 Brainerd Dispatch is currently only running legal notices on Wednesdays and Sundays. Deadline for Wednesday publication is noon on Monday and deadline for Sunday publication is noon on The Published Notices will need to be sent to the publisher prior to Council Approval in order to stay on schedule.

 All dates are subject to change, this is a living document. Dates may change based on coordination with other 2024 projects.

Appendix E

Reevaluated Roads

2023-10353 57

REEVALUATED ROADS

The following roadways were in the original proposal for this project. These roads will be reevaluated in the years noted below.

Proposed for Residential Mill & Overlay:

Cherrywood from Inglewood Drive to Excelsior Road – Reevaluate in 2025

Timberlane Drive in its entirety. – Reevaluate in 2025

Park Street in its entirety. - Reevaluate in 2025

Woodland Drive in its entirety. - Reevaluate in 2025

Art Ward Drive in its entirety. - Reevaluate in 2026

Laverne Circle in its entirety. – Reevaluate in 2026

Cottage Grove Terrace in its entirety. – Reevaluate in 2026

Baxter Lions Road (430' west of Art Ward Drive to Art Ward Drive) - Reevaluate in 2026

Excelsior Road (Cherrywood Drive to Inglewood Drive) – Reevaluate in 2025