

AGENDA
MAPLEWOOD CITY COUNCIL
7:00 P.M. Monday, January 22, 2024
City Hall, Council Chambers
Meeting No. 02-24

A. CALL TO ORDER

B. PLEDGE OF ALLEGIANCE

C. ROLL CALL

D. APPROVAL OF AGENDA

E. APPROVAL OF MINUTES

1. January 8, 2023 City Council Workshop Meeting Minutes
2. January 8, 2023 City Council Meeting Minutes

F. APPOINTMENTS AND PRESENTATIONS

1. Administrative Presentations
 - a. Council Calendar Update
2. Council Presentations

G. CONSENT AGENDA – *Items on the Consent Agenda are considered routine and non-controversial and are approved by one motion of the council. If a councilmember requests additional information or wants to make a comment regarding an item, the vote should be held until the questions or comments are made then the single vote should be taken. If a councilmember objects to an item it should be removed and acted upon as a separate item.*

1. Approval of Claims
2. Local Lawful Gambling Permit for Knights of Columbus #4374, 1695 Kennard Street
3. Resolution for Reduction of Retainage on Existing Construction Contract, Woodlynn-Southlawn Area Street Improvements, City Project 22-17
4. Resolution for Reduction of Retainage on Existing Construction Contract, Myrtle-Sterling Area Street Improvements, City Project 22-16
5. 2024 Ramsey County SCORE Agreement
6. Purchase of Equipment to Buildout One $\frac{3}{4}$ Ton Truck
7. Drug Paraphernalia and Hypodermic Needles and Syringes
 - a. Ordinance Amending Chapter 24
 - b. Resolution Authorizing Publication by Title and Summary (4 Votes)
8. Employment Agreement between the City of Maplewood and City Manager Michael Sable
9. Resolution Approving 2024 Pay Rates for Temporary/Seasonal and Casual Part-Time Employees
10. Madden Galanter Hansen, LLP Consulting Services Agreement for 2024
11. Purchase of Powerload Stretcher Loading System for Ambulances

H. PUBLIC HEARINGS – *If you are here for a Public Hearing please familiarize yourself with the Rules of Civility printed on the back of the agenda. Sign in with the City Clerk before addressing the council. At the podium please state your name and address clearly for the record. All comments/questions shall be posed to the Mayor and Council. The Mayor will then direct staff, as appropriate, to answer questions or respond to comments.*

None

I. UNFINISHED BUSINESS

None

J. NEW BUSINESS

1. Resolution Accepting Feasibility Study, Authorizing Preparation of Plans & Specifications, and Calling for a Public Hearing for 2024 Maplewood Street Improvements, City Project 23-08

K. AWARD OF BIDS

None

L. ADJOURNMENT

Sign language interpreters for hearing impaired persons are available for public hearings upon request. The request for this must be made at least 96 hours in advance. Please call the City Clerk's Office at 651.249.2000 to make arrangements. Assisted Listening Devices are also available. Please check with the City Clerk for availability.

RULES OF CIVILITY FOR THE CITY COUNCIL, BOARDS, COMMISSIONS AND OUR COMMUNITY

Following are rules of civility the City of Maplewood expects of everyone appearing at Council Meetings - elected officials, staff and citizens. It is hoped that by following these simple rules, everyone's opinions can be heard and understood in a reasonable manner. We appreciate the fact that when appearing at Council meetings, it is understood that everyone will follow these principles:

Speak only for yourself, not for other council members or citizens - unless specifically tasked by your colleagues to speak for the group or for citizens in the form of a petition.

Show respect during comments and/or discussions, listen actively and do not interrupt or talk amongst each other.

Be respectful of the process, keeping order and decorum. Do not be critical of council members, staff or others in public.

Be respectful of each other's time keeping remarks brief, to the point and non-repetitive.

MINUTES
MAPLEWOOD CITY COUNCIL
MANAGER WORKSHOP
6:00 P.M. Monday, January 08, 2024
City Hall, Council Chambers

A. CALL TO ORDER

A meeting of the City Council was held in the City Hall Council Chambers and was called to order at 6:00 p.m. by Mayor Abrams.

B. ROLL CALL

Marylee Abrams, Mayor	Present
Rebecca Cave, Councilmember	Present
Kathleen Juenemann, Councilmember	Present
Chonburi Lee, Councilmember	Absent
Nikki Villavicencio, Councilmember	Present

C. APPROVAL OF AGENDA

Councilmember Cave moved to approve the agenda as submitted.

Seconded by Councilmember Juenemann Ayes– All

The motion passed.

D. UNFINISHED BUSINESS

None

E. NEW BUSINESS

1. Birch Run Shopping Center – North End Zoning District Discussion

Assistant Community Development Director Martin gave the staff report. Kristin Moan, Senior Project Manager with Wilkus Architects, gave the presentation and answered questions of council.

No action required

2. East Metro Public Safety Training Facility Pre-Design Update

Fire & EMS Chief Mondor gave the staff report. Todd LaVold, with Leo A Daly, gave the presentation.

No action required.

D. ADJOURNMENT

Mayor Abrams adjourned the meeting at 6:55 p.m.

MINUTES
MAPLEWOOD CITY COUNCIL
7:00 P.M. Monday, January 08, 2024
City Hall, Council Chambers
Meeting No. 01-24

A. CALL TO ORDER

A meeting of the City Council was held in the City Hall Council Chambers and was called to order at 7:03 p.m. by Mayor Abrams.

Mayor Abrams welcomed the New Year and directed residents to the city website and to the Maplewood Living for what is upcoming in Maplewood in 2024. Mayor Abrams also invited all to the State of Maplewood address that will be held in person on February 21, 2024 at 9:30 a.m.

B. PLEDGE OF ALLEGIANCE

C. ROLL CALL

Marylee Abrams, Mayor	Present
Rebecca Cave, Councilmember	Present
Kathleen Juenemann, Councilmember	Present
Chonburi Lee, Councilmember	Absent
Nikki Villavicencio, Councilmember	Present

D. APPROVAL OF AGENDA

Councilmember Cave moved to approve the agenda as submitted.

Seconded by Councilmember Villavicencio Ayes – All

The motion passed.

E. APPROVAL OF MINUTES

1. December 11, 2023 City Council Workshop Meeting Minutes

Councilmember Juenemann moved to approve the December 11, 2023 City Council Workshop Meeting Minutes as submitted.

Seconded by Councilmember Cave Ayes – All

The motion passed.

2. December 11, 2023 City Council Meeting Minutes

Councilmember Cave moved to approve the December 11, 2023 City Council Meeting Minutes as submitted.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

3. December 18, 2023 City Council Special Meeting Minutes

Councilmember Juenemann moved to approve the December 18, 2023 City Council Special Meeting Minutes as submitted.

Seconded by Councilmember Villavicencio Ayes – All

The motion passed.

F. APPOINTMENTS AND PRESENTATIONS

1. Administrative Presentations

a. Council Calendar Update

City Manager Coleman gave an update to the council calendar and reviewed other topics of concern or interest requested by councilmembers.

2. Council Presentations

Councilmember Juenemann reminded residents that cold weather gear is still being collected. Mayor Abrams gave details for the collection and mentioned it will take place until January 15th.

3. 2024 City Council Appointments to Boards, Commissions and Miscellaneous Groups

City Manager Coleman gave the staff report.

Councilmember Cave moved to approve the 2024 City Council appointments to boards, commissions and miscellaneous groups.

<u>Appointment</u>	<u>2023 Appointments</u>	<u>2024 Appointments</u>
Acting Mayor*	Councilmember Villavicencio	Councilmember Lee
	<i>*Rotation of acting mayors: 2017 Juenemann, 2018 Smith, 2019 Juenemann, 2020 Knutson, 2021 Juenemann, 2022 Cave</i>	
Auditor Contact	Mayor Abrams Councilmember Juenemann	Mayor Abrams Councilmember Juenemann
Century Avenue Coalition	Councilmember Lee Councilmember Villavicencio (ALT)	Councilmember Lee Councilmember Villavicencio (ALT)
Community Design Review Board	Councilmember Lee Mike Martin (SL)	Councilmember Lee Mike Martin (SL)
Data Request Officials:		
Responsible Authority/Data Compliance Official	Andrea Sindt	Andrea Sindt
City Personnel Designee	Terrie Rameaux	Terrie Rameaux

City Law Enforcement Designee	Brian Bierdeman	Brian Bierdeman
Development Committee	Mayor Abrams Councilmember Juenemann	Mayor Abrams Councilmember Cave
Environment & Natural Resources Commission	Councilmember Juenemann Shann Finwall (SL)	Councilmember Juenemann Shann Finwall (SL)
Gold Line Partners - CMC	Councilmember Cave Mayor Abrams (ALT)	Councilmember Cave Mayor Abrams (ALT)
Gold Line BRT – PAC	Councilmember Cave Steve Love (ALT)	Councilmember Cave Steve Love (ALT)
Heritage Preservation Commission	Councilmember Villavicencio Joe Sheeran (SL)	Councilmember Villavicencio Joe Sheeran (SL)
Maplewood Communications	Mayor Abrams Councilmember Lee (ALT)	Mayor Abrams Councilmember Lee (ALT)
Maplewood Green Team	Councilmember Juenemann Shann Finwall (SL)	Councilmember Juenemann Shann Finwall (SL)
Official Newspaper	Pioneer Press	Pioneer Press
Parks & Recreation Commission	Councilmember Villavicencio Audra Robbins (SL)	Councilmember Villavicencio Audra Robbins (SL)
Planning Commission	Councilmember Lee Mike Martin (SL)	Councilmember Lee Mike Martin (SL)
Purple Line – CMC	Councilmember Villavicencio Councilmember Cave (ALT)	Councilmember Villavicencio Councilmember Cave (ALT)
Ramsey County Dispatch Policy Committee	Councilmember Juenemann Mayor Abrams (ALT)	Councilmember Juenemann Mayor Abrams (ALT)
Ramsey County League of Local Governments	Mayor Abrams Councilmember Villavicencio (ALT)	Mayor Abrams Councilmember Villavicencio (ALT)
Regional Mayors	Mayor Abrams	Mayor Abrams
Rice/Larpenteur Project	Mayor Abrams Councilmember Cave (ALT) Shann Finwall (SL)	Mayor Abrams Councilmember Cave (ALT) Shann Finwall (SL)
St. Paul Regional Water Services Board of Water Commissioners	Councilmember Cave Melinda Coleman (ALT)	Councilmember Cave City Manager (ALT)
Suburban Area Chamber of Commerce	Melinda Coleman Mayor Abrams (REP) Councilmember Cave (REP)	City Manager Mayor Abrams (REP) Councilmember Cave (REP)
Suburban Rate Authority	Steve Love	Steve Love

Seconded by Councilmember Juenemann

Ayes – All

The motion passed.

- G. CONSENT AGENDA** – *Items on the Consent Agenda are considered routine and non-controversial and are approved by one motion of the council. If a councilmember requests additional information or wants to make a comment regarding an item, the vote should be held until the questions or comments are made then the single vote should be taken. If a councilmember objects to an item it should be removed and acted upon as a separate item.*

Agenda items G3 & G8 were highlighted.

Councilmember Cave moved to approve agenda items G1-G9.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

1. Approval of Claims

Councilmember Cave moved to approve the approval of claims.

ACCOUNTS PAYABLE:

\$	129,408.41	Checks # 120281 thru # 120299 dated 12/12/23
\$	149,405.68	Checks # 120300 thru # 120345 dated 12/19/23
\$	1,083,823.53	Checks # 120346 thru # 120385 dated 12/26/23
\$	214,441.98	Checks # 120386 thru # 120408 dated 12/29/23
\$	871,070.51	Disbursements via debits to checking account dated 12/04/23 thru 12/31/23
<hr/>		
\$	2,448,150.11	Total Accounts Payable

PAYROLL

\$	720,709.09	Payroll Checks and Direct Deposits dated 12/08/23
\$	716,574.89	Payroll Checks and Direct Deposits dated 12/22/23
<hr/>		

\$	716,574.89	Total Payroll
<hr/>		
\$	3,164,725.00	GRAND TOTAL

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

2. Resolution Designating Depositories for City Funds

Councilmember Cave moved to approve the Resolution Designating Depositories for City Funds.

Resolution 24-01-2274
DESIGNATING DEPOSITORIES FOR CITY FUNDS

BE IT RESOLVED, that the following be and hereby are selected as depositories for deposits and investments of the City of Maplewood:

- Premier Bank
- Wells Fargo Bank
- US Bank
- 4M Fund/PMA
- RBC
- Oppenheimer
- TD Ameritrade

BE IT FURTHER RESOLVED that the deposits in any of the above depositories shall not exceed the amount of F.D.I.C. insurance covering such deposit unless collateral or a bond is furnished as additional security, and

BE IT FURTHER RESOLVED that any funds in the above depositories may be withdrawn and electronically transferred to any other depository of the city by the request of the finance director or his/her designee.

BE IT FURTHER RESOLVED that these depository designations are effective until December 31, 2024.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

3. Conditional Use Permit Review, Menards, 2280 Maplewood Drive

Councilmember Cave moved to approve the CUP review for Menards and review again in six months.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

4. Agreement with Lockridge, Grindal, Nauen for Professional Services

Councilmember Cave moved to approve the Agreement with Lockridge, Grindal, Nauen for Professional Services.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

5. Opiate Antagonists Subgrant Agreement

Councilmember Cave moved to approve the Opiate Antagonists Subgrant Agreement.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

6. Local Lawful Gambling Permit for the Church of the Presentation of the Blessed Virgin Mary, 1725 Kennard Street

Councilmember Cave moved to approve the Local Lawful Gambling permit for Church of the Presentation of the Blessed Virgin Mary.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

7. Resolution Appointing Election Judges and Establishing a Ballot Board for the 2024 Presidential Nomination Primary Election

Councilmember Cave moved to approve the resolution listing election judges and establishing a ballot board for the 2024 Presidential Nomination Primary Election to be held on March 5, 2024.

Resolution 24-01-2275

2024 PRESIDENTIAL NOMINATION PRIMARY ELECTION APPOINTING ELECTION JUDGES AND ESTABLISHING A BALLOT BOARD

WHEREAS, Minn. Stat. 204B.21, Subd. 2 states election judges for precincts in a municipality shall be appointed by the governing body of the municipality; and

WHEREAS, it is required by Minn. Stat. 203B.121, Subd. 1 to establish a Ballot Board; and

WHEREAS, approval of the resolution does not qualify individuals to serve as an election judge; and

WHEREAS, appointments will be made from the list to fill the needed positions after training and required paperwork have been completed; and

WHEREAS, appointment of additional election judges within the 25 days before the election may be made if the appointing authority determines that additional election judges will be required; and

NOW, THEREFORE, IT BE RESOLVED, by the City Council of Maplewood, Minnesota, a Ballot Board is hereby established that would consist of a sufficient number of election judges as provided in Minn. Stat. 204B.19 to 204B.22 to perform the task; and

FURTHER, BE IT RESOLVED, that the City Clerk or designee assign Election Judges to serve in the 2024 Presidential Nomination Primary Election to be held on Tuesday, March 5, 2024 from the following list.

Pria Abeyratne	Joe Cardenas	Margaret Fett
Mark Acosta	Robert Cardinal	Dylan Flannigan
Janice Allen	Thomas Carey	Richard Fosse
Richard Anani	Allen Carlson	Judith Franey
Karen Anderson	Linda Carpenter	Melissa Franzen
Warren Anderson	Cecelia Cathcart	Nick Franzen
Emily Armistead	Mary Catherine	Dean Fritsche
Christina Arokjer	Denise Chamblee	Gordy Fritsche
Alex Ashton	Song Chang	Rachel Geiser
Rob Baas	Mary Cincotta	Jackie Gilliard
Rosanne Bane	Cheryl (Sheri)	Chris Given
Jodi Baron	Commers	Diane Golaski
Deb Becker	Michelle Curtis	Amy Graf
David Bedor	Crystal Dahl Rygg	Barb Granse
Regan Beggs	Frederick Dahm	Marilyn Grant
Vivian Beyer	Jason DeMoe	Alvin Grendzinski
Margaret Bloemendal	Phil DeZelar	David Grossman
Syl Booth	Charlene Dickerson	Stefanie Guindon-
Jon Boyde	Gerald Diebel	Hjermstad
Phil Brady	Darrell Dippon	Sandra Hahn Ohs
Ginny Brandon	Albin Dittli	Lisa Hansford
Richard Brandon	Catherine Dobihal	Mark Harris
Kainy Brastad	Michelle Doherty	Sarah Hauptman
Paulette Briese	Kathy Domeier	Lisa Heille
Tom Brockway	Laurén	Jean Heining
Abby Brown	Drommerhausen	William Hensley
Mike Bruce	Gloria Dunshee	Gregory Herber
Ray Brunner	Conner Dworskak	Lisa Herd
Sheryl Brunner	John Eads	Gina Hermann
Michelle Buettner	Brian Eager	Harland Hess
Joan Bullivant	Luann Eager	Elaine Hill
Andrea Campbell	Kim Ebeling	Gary Hinnenkamp
Kevin Campbell	Delight Erickson	Pamela Hodges
Jarilyn Carbo	Gail Fellman	Debra Hoffmann

Jacquelyn Holl
 Jeanette Hulet
 Patricia Huth
 Raymond Huth
 Chris Jacobson
 David Jahn
 Kathleen Jensen
 Ciatlin Johnson
 Howard Johnston
 Gwendolyn Jones
 Narbada Kadanua
 Chaug Kadanya
 Nanda Kadanya
 Sharon Karalus
 Tim Kellen
 Judy Kipka
 Peggy Kleiter
 Pete Koegel
 Carol Koskinen
 Lois Knutson
 Robert Kraemer
 Patricia Krageland
 John Krebsbach
 Sarah Kroening
 Robert Kronschnobel
 Jackie Kwapick
 Tom Labarre
 Patricia Landers
 Courtney Larsen
 Mark Larson
 Michelle Larson
 Rose Larson
 Gao Lee
 Nancy Lehedahm
 Jay Lelueaux
 Claudette Leonard
 Nancy Lindsey
 Oscar Lopez Letona
 Steve Loveless
 Lydia Lucas
 Drake Ly
 Virginia Lynch
 Terri Mallet
 Dan Martin

Patricia Martinson
 Bonnie McCabe
 David McCabe
 John McCann
 Janet McCanna
 Kimberly McKinzie
 Gerald Meissner
 Curtis Merkle
 Dorcas Michaelson
 Pam Moy
 Miranda Nichols
 Douglas Nixon
 Ann Norberg
 Patti Nord
 D. William (Bill)
 O'Brien
 Jodi Ogren
 Ashley Oliver
 Keith Olson
 Cary Oszman
 Dian Parent
 John Parnell
 Susan Parnell
 Nancy Parsons
 Cheryl Pasquarella
 Terrell Payne
 LeVares Pearson
 Dennis Peck
 Marilyn Perry
 Matthew Phillips
 David Plathe
 Nina Potter
 Tom Proepper
 Dawn Proulx
 Shelly Putz
 Steve Putz
 Sonja Quanbeck
 Tim Reddy
 Mary Ann Renner
 Jeanette Riopel
 Rita Roadfeldt
 Brenda Robinson
 Sherry Robinson
 Vincent Rodriguez

Peter Rogers
 Teresa Rossbach
 Monica Roth Day
 Cynthia Rowley
 Dave Rydeen
 Kathy Sabota
 Rebecca Salmela
 Deborah Samac
 Patricia Sample
 Brittney Sandquist
 Toni Scandale
 Maryann Schaefer
 Thomas Schaefer
 William Schmidt
 Duane Schmitz
 Kurt Schnapp
 Jen Schorr
 Patricia Selby
 Jill Shortreed
 Karen Siedschlag
 Vicki Simms
 Delaney Skaar
 Susan Skaar
 Tyler Slind
 Margaret Smith
 Russell Smith
 Mary Spielvogel
 Florence Sprague
 Tim Stafki
 Dallas Stejskal
 James Stemper
 (Mary) Linnea
 Strandness
 Dianne Stroth Dahm
 Mary Sturm
 Sheli Telschow
 Theresa Terhark
 Lori Thompson
 Christine Tkachuck-
 Martinson
 Sam Todd
 Micki Tschida
 Grant Tyes
 Jeanine Unklesbay
 Carolyn Urbanski

Dylan Vang
Ronald Virnala
Bill Voight
Melissa Walker
Rosie Wall
Deborah Wallace

Alison Walsh
Jeanette Walsh
Stacey Walsh
Tim Walstrom
Cheryl Wieremann
Lynn Wiggert

Mike Wilde
Patricia Williamson
Paula Willie
Sharon Willson
Cindy Yorkovich
Paul Zollinger

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

8. Donation from Schmelz Countryside Volkswagen

Councilmember Cave moved to approve the resolution accepting the donation made by Schmelz Countryside Volkswagen.

Resolution 24-01-2276
EXPRESSING ACCEPTANCE OF AND APPRECIATION OF
A DONATION TO THE MAPLEWOOD PUBLIC SAFETY DEPARTMENT

WHEREAS, Schmelz Countryside has presented to the Maplewood Public Safety Department a donation in the amount of \$3,000.00; and

WHEREAS, this donation is intended for the purpose to benefit the Department; and

WHEREAS, the Maplewood City Council is appreciative of the donation and commends Schmelz Countryside Volkswagen for their civic efforts,

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Maplewood, Minnesota, that:

1. The donation is accepted and acknowledged with gratitude; and
2. The donation will be appropriated for the Public Safety Department as designated; and
3. The appropriate budget adjustments be made.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

9. 2024 Pay Equity Report

Councilmember Cave moved to approve the 2024 Pay Equity Report for submission to the Minnesota Management & Budget Department.

Seconded by Councilmember Juenemann Ayes – All

The motion passed.

H. PUBLIC HEARINGS – *If you are here for a Public Hearing please familiarize yourself with the Rules of Civility printed on the back of the agenda. Sign in with the City Clerk before addressing the council. At the podium please state your name and address clearly for the record. All comments/questions shall be posed to the Mayor and Council. The Mayor will then direct staff, as appropriate, to answer questions or respond to comments.*

None

I. UNFINISHED BUSINESS

None

J. NEW BUSINESS

1. Penalties for 2023 Alcohol Compliance Failures

City Clerk Sindt gave the staff report. Public Safety Director Bierdeman spoke about the educational compliance checks the police department conducts. Mayor Abrams called on each establishment representative to address council. The following representatives spoke:

- Xianwu Yang – Millions Crab
- Daniel Rodriguez – Olive Garden Italian Restaurant #1200
- Brad Koppen - Party Time Liquor
- Gongya Gar - Zen Ramen

Councilmember Juenemann moved to approve the compliance failure penalties as proposed by staff.

Seconded by Councilmember Villavicencio Ayes – All

The motion passed.

K. AWARD OF BIDS

None

L. ADJOURNMENT

Mayor Abrams adjourned the meeting at 7:35 p.m.

CITY COUNCIL STAFF REPORT
Meeting Date January 22, 2024

REPORT TO: City Council
REPORT FROM: Melinda Coleman, City Manager
PRESENTER: Melinda Coleman, City Manager
AGENDA ITEM: Council Calendar Update

Action Requested: Motion Discussion Public Hearing
Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

This item is informational and intended to provide the Council an indication on the current planning for upcoming agenda items and the Work Session schedule. These are not official announcements of the meetings, but a snapshot look at the upcoming meetings for the City Council to plan their calendars.

Recommended Action:

No motion needed. This is an informational item.

Upcoming Agenda Items and Work Sessions Schedule:

February 12: Workshop: to be determined
February 26: Workshop: to be determined

Council Comments:

Comments regarding Workshops, Council Meetings or other topics of concern or interest.

1. Provide background/history of the Multi-Cultural Advisory Committee. This was provided in the January 12, 2024 FYI.

Council Schedule for Maplewood Living through May 2024:

Issue	Contributor	Due Date
March 2024	Juenemann (Switched with Cave)	February 16, 2024
April 2024	Villavicencio	March 15, 2024
May 2024	Lee	April 17, 2024
June 2024	Abrams	May 14, 2024
July 2024	Juenemann	June 17, 2024
August 2024	Cave	July 15, 2024

Subject to change after election filings in May, as no active candidates will be allowed to contribute.

CITY COUNCIL STAFF REPORT

Meeting Date January 22, 2024

REPORT TO: Melinda Coleman, City Manager
REPORT FROM: Joe Rueb, Finance Director
PRESENTER: Joe Rueb, Finance Director
AGENDA ITEM: Approval of Claims

Action Requested:	<input checked="" type="checkbox"/> Motion	<input type="checkbox"/> Discussion	<input type="checkbox"/> Public Hearing
Form of Action:	<input type="checkbox"/> Resolution	<input type="checkbox"/> Ordinance	<input type="checkbox"/> Contract/Agreement <input type="checkbox"/> Proclamation

Policy Issue:

The City Manager has reviewed the bills and authorized payment in accordance with City Council policies.

Recommended Action:

Motion to approve the approval of claims.

ACCOUNTS PAYABLE:

\$	247,504.50	Checks # 120409 thru # 120418 dated 01/09/24
\$	227,891.86	Checks # 120419 thru # 120451 dated 01/16/24
\$	409,709.32	Disbursements via debits to checking account dated 01/01/24 thru 01/14/24
<hr style="width: 20%; margin-left: 0;"/>		
\$	885,105.68	Total Accounts Payable

PAYROLL

\$	714,990.36	Payroll Checks and Direct Deposits dated 01/05/24
<hr style="width: 20%; margin-left: 0;"/>		
\$	714,990.36	Total Payroll
<u>\$</u>	<u>1,600,096.04</u>	<u>GRAND TOTAL</u>

Background

A detailed listing of these claim has been provided. Please call me at 651-249-2902 if you have any questions on the attached listing. This will allow me to check the supporting documentation on file if necessary.

Attachments

1. Listing of Paid Bills

**Check Register
City of Maplewood**

Check	Date	Vendor	Description	Amount
120409	1/9/2024	6320 COMPANION ANIMAL CONTROL	ANIMAL CONTROL SERVICES – DEC	\$ 100.00
120410	1/9/2024	857 LEAGUE OF MINNESOTA CITIES	ANNUAL PATROL ONLINE TRAINING	4,860.00
120411	1/9/2024	396 PUBLIC SAFETY, MN DEPT OF	2023 HAZARDOUS CHEMICAL INVENTORY FEE	25.00
120412	1/9/2024	5768 NORTH COUNTRY GMC/	2024 GMC SIERRA 2500 CHASSIS	109,337.26
120413	1/9/2024	1 MAPLEWOOD TOWN HOMES	PROJ 21-07 SPRINKLER REPAIR	7,157.19
120414	1/9/2024	5121 OTTO ENVIRONMENTAL SYS NA INC	TRASH CARTS - RESIDENTIAL TRASH PROGRAM	49,998.40
120415	1/9/2024	5338 REPUBLIC SERVICES	2024 TRASH HAULING RATE BILLING INSERT	663.97
120416	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	60.84
	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	81.87
	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	67.58
	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	255.15
	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	131.50
	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	185.27
	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	57.05
	1/9/2024	198 ST PAUL REGIONAL WATER SRVS	WATER UTILITY	57.05
120417	1/9/2024	4845 TENNIS SANITATION LLC	RECYCLING FEE - NOVEMBER	74,242.58
120418	1/9/2024	1190 XCEL ENERGY	GAS UTILITY	223.79
		10 Checks in this report.		\$ 247,504.50

Check Register
City of Maplewood

Check	Date	Vendor	Description	Amount
120419	1/16/2024	36 TUBMAN FAMILY ALLIANCE	CG 2023 AWARD	\$ 9,000.00
120420	1/16/2024	2001 CITY OF ROSEVILLE	1920 RICE ST - 1/2 SHARE TO XCEL ENERGY	70.61
120421	1/16/2024	5843 DVS RENEWAL	VIN #7706 TAB RENEWAL	16.25
	1/16/2024	5843 DVS RENEWAL	VIN #0570 TAB RENEWAL	16.25
	1/16/2024	5843 DVS RENEWAL	VIN #4000 TAB RENEWAL	21.25
	1/16/2024	5843 DVS RENEWAL	VIN #2121 TAB RENEWAL	25.25
	1/16/2024	5843 DVS RENEWAL	VIN #2036 TAB RENEWAL	21.25
120422	1/16/2024	5843 DVS RENEWAL	VIN #6734 TAB RENEWAL	16.25
120423	1/16/2024	6437 EDEN PRAIRIE, CITY OF	ANNUAL FENCING CONSORTIUM FEE	10,942.00
120424	1/16/2024	3 KEVIN TRAMM CONSTRUCTION INC.	ESCROW RELEASE - 2727 HAZELWOOD STREET	3,500.00
120425	1/16/2024	5313 GRAPHIC DESIGN, INC.	BUSINESS CARDS - PW	272.20
120426	1/16/2024	644 GROUP HEALTH NON-PATIENT A/R	MEDICATION SUPPLIES	88.72
	1/16/2024	644 GROUP HEALTH NON-PATIENT A/R	Q2 MEDICATION SUPPLIES	126.99
120427	1/16/2024	6414 JUSTICE ALAN PAGE ELEMENTARY	2023 CHARITABLE GAMBLING AWARD	3,325.23
120428	1/16/2024	7013 KEITH P. STREFF	POTENTIALLY DANGEROUS DOG - HEARING	200.00
120429	1/16/2024	827 L M C I T	WC CLAIM #00496301	133.51
	1/16/2024	827 L M C I T	WC CLAIM #00495884	356.58
	1/16/2024	827 L M C I T	WC CLAIM #00495490	1,011.37
	1/16/2024	827 L M C I T	WC CLAIM #00493226	204.18
	1/16/2024	827 L M C I T	WC CLAIM #00493225	622.05
	1/16/2024	827 L M C I T	WC CLAIM #00491921	253.84
	1/16/2024	827 L M C I T	WC CLAIM #00491882	107.06
	1/16/2024	827 L M C I T	WC CLAIM #00477220	325.63
120430	1/16/2024	846 LANGUAGE LINE SERVICES	PHONE INTERPRETIVE SERVICES DEC	475.23
120431	1/16/2024	917 MACQUEEN EMERGENCY	FIRE EQUIPMENT	1,689.13
120432	1/16/2024	1 PAMELA WOLTER	EMS MC REFUND - PATIENT OVERPAYMENT	433.00
120433	1/16/2024	1 FUNARI, STEVE	EMS MC REFUND - PATIENT OVERPAYMENT	200.00
120434	1/16/2024	1342 RAMSEY COUNTY CHIEFS OF POLICE ASSOC.	2024 MEMBERSHIP DUES	400.00
120435	1/16/2024	6014 REHDER FORESTRY CONSULTING	TREE INSPECTION SERVICES - DEC	450.19
120436	1/16/2024	5879 ROADKILL ANIMAL CONTROL	ROADKILL REMOVAL - DECEMBER	333.00
120437	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	170.00
	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	170.00
	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	45.00
	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	45.00
	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	100.00
	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	170.00
	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	100.00
	1/16/2024	198 ST PAUL REGIONAL WATER SRVS	AUTO FIRE SERVICE BILL 2024	100.00
120438	1/16/2024	1836 ST PAUL, CITY OF	STREET LIGHT REPAIR - KENNARD & CTY RD D	1,442.00
	1/16/2024	1836 ST PAUL, CITY OF	PDI COURSE K9 CASE LAW - 2 ATTENDEES	600.00
120439	1/16/2024	6107 TOKLE INSPECTIONS, INC.	ELECTRICAL INSPECTIONS - DEC 2023	9,935.72
120440	1/16/2024	1649 TRI-STATE BOBCAT, INC.	2023 BOBCAT 80" BRUSHCAT ATTACHMENT	8,705.80
120441	1/16/2024	2879 WASHINGTON COUNTY	UNIT 500 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 501 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 502 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 503 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 504 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 505 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 506 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 508 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 509 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 510 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 511 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 512 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 513 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 514 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 515 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 516 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 530 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 531 TAB RENEWAL	21.25

Check Register
City of Maplewood

Check	Date	Vendor	Description	Amount
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 532 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 533 TAB RENEWAL	21.25
120442	1/16/2024	2879 WASHINGTON COUNTY	UNIT 534 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 535 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 536 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 537 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 538 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 539 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 540 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 541 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 542 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 543 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	NEW UNIT 543 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 544 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 546 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 611 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 612 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 613 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 614 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 615 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 616 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 621 TAB RENEWAL	21.25
120443	1/16/2024	2879 WASHINGTON COUNTY	UNIT 623 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 630 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 631 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 632 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 642 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 643 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 644 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 645 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 646 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 650 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 651 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 715 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 716 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 718 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 719 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 720 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 721 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 722 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 728 TAB RENEWAL	21.25
	1/16/2024	2879 WASHINGTON COUNTY	UNIT 731 TAB RENEWAL	21.25
120444	1/16/2024	519 FLEXIBLE PIPE TOOLS & EQUIP	INTERCONNECT CABLES FOR CCTV TRUCK UNIT 623	1,325.60
120445	1/16/2024	585 GOPHER STATE ONE-CALL	NET BILLABLE CALL TICKETS - DEC	233.55
120446	1/16/2024	5598 KELLY & LEMMONS, P.A.	PROSECUTION SERVICES - DEC 2023	16,575.00
120447	1/16/2024	532 MADDEN GALANTER HANSEN, LLP	HR ATTORNEY FEES - DEC 2023	1,780.00
	1/16/2024	532 MADDEN GALANTER HANSEN, LLP	HR ATTORNEY FEES - AUG 2023	845.85
	1/16/2024	532 MADDEN GALANTER HANSEN, LLP	HR ATTORNEY FEES - OCT 2023	280.00
120448	1/16/2024	5353 MANSFIELD OIL CO	CONTRACT GASOLINE - JAN 2024	12,671.42
	1/16/2024	5353 MANSFIELD OIL CO	CONTRACT DIESEL - JAN 2024	6,157.74
	1/16/2024	5353 MANSFIELD OIL CO	CONTRACT DIESEL - JAN 2024	2,640.68
120449	1/16/2024	1202 NYSTROM PUBLISHING CO INC	MAPLEWOOD LIVING - JANUARY	8,006.88
120450	1/16/2024	1337 RAMSEY COUNTY-EMERGENCY COMM	911 DISPATCH SERVICES - OCTOBER	38,268.89
	1/16/2024	1337 RAMSEY COUNTY-EMERGENCY COMM	CAD SERVICES - OCTOBER	6,219.97
	1/16/2024	1337 RAMSEY COUNTY-EMERGENCY COMM	FLEET SUPPORT - DECEMBER	574.08
	1/16/2024	1337 RAMSEY COUNTY-EMERGENCY COMM	FLEET SUPPORT - OCTOBER	574.08
120451	1/16/2024	4845 TENNIS SANITATION LLC	RECYCLING FEE - DECEMBER	74,242.58
				<u>\$ 227,891.86</u>

33 Checks in this report.

CITY OF MAPLEWOOD
Disbursements via Debits to Checking Account

Settlement Date	Payee	Description	Amount
1/2/2024	Accela Credit Card Billing	Credit Card Billing Fee	\$ 15.00
1/2/2024	Delta Dental	Dental Premium	1,370.39
1/8/2024	Delta Dental	Dental Premium	1,795.43
1/8/2024	Empower - State Plan	PR - Deferred Compensation	27,664.00
1/5/2024	ICMA (Vantagepointe)	PR - Deferred Compensation	7,954.00
1/5/2024	ICMA (Vantagepointe)	Retiree Health Savings	1,100.00
1/5/2024	Labor Unions	PR - Union Dues	4,128.07
1/5/2024	MidAmerica	HRA Flex Plan - AUL	14,950.17
1/8/2024	MN State Treasurer	PR - State Payroll Tax	30,024.65
1/3/2024	Optum Health	DCRP & Flex Plan Payments	6,821.37
1/5/2024	Optum Health	DCRP & Flex Plan Payments	5,270.17
1/12/2024	Optum Health	DCRP & Flex Plan Payments	533.49
1/5/2024	P.E.R.A.	PR - P.E.R.A.	157,573.58
12/8/2023	U.S. Treasurer	PR - Federal Payroll Tax	119,582.48
1/5/2024	US Bank VISA One Card*	Purchasing Card Items	30,926.52
			<u>\$ 409,709.32</u>

**CITY OF MAPLEWOOD
EMPLOYEE GROSS EARNINGS REPORT
FOR THE CURRENT PAY PERIOD**

<u>CHECK #</u>	<u>CHECK DATE</u>	<u>EMPLOYEE NAME</u>	<u>AMOUNT</u>	<u>Exp Reimb, Severance, Conversion incl in Amount</u>
	01/05/24	ABRAMS, MARYLEE	\$ 602.85	
	01/05/24	CAVE, REBECCA	530.61	
	01/05/24	JUENEMANN, KATHLEEN	530.61	
	01/05/24	LEE, CHONBURI	530.61	
	01/05/24	VILLAVICENCIO, NICHOLE	530.61	
	01/05/24	COLEMAN, MELINDA	7,995.20	
	01/05/24	DARROW, MICHAEL	6,265.32	
	01/05/24	KNUTSON, LOIS	3,850.81	
	01/05/24	CHRISTENSON, SCOTT	3,236.67	
	01/05/24	DOUGLASS, TOM	3,256.46	
	01/05/24	JAHN, DAVID	2,563.75	
	01/05/24	LENTINI, LINDSAY	3,310.28	
	01/05/24	RAMEAUX, THERESE	4,031.95	
	01/05/24	BREIMHURST, LAUREN	2,358.60	
	01/05/24	JACOBSON, CARL	4,480.22	
	01/05/24	RACETTE, THOMAS	3,145.94	
	01/05/24	RUEB, JOSEPH	5,734.39	
	01/05/24	STANLEY, JENNIFER	3,933.79	
	01/05/24	ARNOLD, AJLA	2,346.55	
	01/05/24	EVANS, CHRISTINE	2,862.40	
	01/05/24	LARSON, MICHELLE	2,468.82	
	01/05/24	SINDT, ANDREA	4,433.38	
	01/05/24	MOY, PAMELA	2,471.11	
	01/05/24	OSTER, ANDREA	2,384.80	\$ 2,384.80
	01/05/24	ANDERSON, ROBERT	3,848.19	
	01/05/24	BARTZ, PAUL	1,460.00	
	01/05/24	BELDE, STANLEY	300.00	
	01/05/24	BENJAMIN, MARKESE	4,000.19	
	01/05/24	BERGERON, ASHLEY	4,151.19	
	01/05/24	BIERDEMAN, BRIAN	6,937.57	
	01/05/24	BURT-MCGREGOR, EMILY	4,132.99	
	01/05/24	BUSACK, DANIEL	5,963.72	
	01/05/24	CLAYTON, STEVEN	2,488.68	2,488.68
	01/05/24	CONDON, MITCHELL	3,930.59	
	01/05/24	CRUZ, TREANA	3,852.73	
	01/05/24	DEMULLING, JOSEPH	4,903.36	
	01/05/24	DUGAS, MICHAEL	5,250.40	
	01/05/24	EELLS, BRIAN	4,672.17	639.56
	01/05/24	FORSYTHE, MARCUS	4,303.19	
	01/05/24	FRITZE, DEREK	4,283.37	
	01/05/24	GABRIEL, ANTHONY	6,374.35	

**CITY OF MAPLEWOOD
EMPLOYEE GROSS EARNINGS REPORT
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<u>CHECK #</u>	<u>CHECK DATE</u>	<u>EMPLOYEE NAME</u>	<u>AMOUNT</u>	<u>Exp Reimb, Severance, Conversion incl in Amount</u>
	01/05/24	GEISELHART, BENJAMIN	4,920.53	
	01/05/24	GIVAND, JONATHAN	3,944.80	
	01/05/24	GREEN, JAMIE	3,901.76	
	01/05/24	HAWKINSON, TIMOTHY	4,394.59	
	01/05/24	HER, PHENG	4,206.14	
	01/05/24	HER, TERRELL	3,594.67	
	01/05/24	HOEMKE, MICHAEL	5,421.04	
	01/05/24	HOLTY, BRYCE	3,372.00	
	01/05/24	JOHNSON, BARBARA	2,059.20	
	01/05/24	KADEN, JACOB	3,582.75	
	01/05/24	KIM, WINSTON	3,561.79	
	01/05/24	KONG, TOMMY	4,427.01	
	01/05/24	KRAL, EMMA	3,427.39	
	01/05/24	KROLL, BRETT	4,544.79	159.00
	01/05/24	KROLL, LISA	2,610.31	
	01/05/24	KUCHENMEISTER, GINA	2,548.00	
	01/05/24	KUCHENMEISTER, JASON	2,752.64	
	01/05/24	LENERTZ, NICHOLAS	4,028.70	
	01/05/24	LYNCH, KATHERINE	4,074.16	
	01/05/24	MARIN, RAE	11,735.92	7,234.14
	01/05/24	MARINO, JASON	4,744.97	
	01/05/24	MARK, OLAF	3,944.80	
	01/05/24	METRY, ALESIA	400.00	
	01/05/24	MORALES, MARIO	2,114.60	
	01/05/24	MURRAY, RACHEL	4,774.27	
	01/05/24	NYE, MICHAEL	4,748.99	
	01/05/24	PASDO, JOSEPH	3,637.89	
	01/05/24	PETERS, DANIEL	4,005.59	
	01/05/24	QUIRK, JAMES	3,561.79	
	01/05/24	RETHWILL, SCOTT	3,848.20	
	01/05/24	SALCHOW, CONNOR	5,584.52	
	01/05/24	SCHROEDER, LEE	3,848.19	
	01/05/24	SHANLEY, HAYLEY	2,264.80	
	01/05/24	SHEA, STEPHANIE	3,111.54	
	01/05/24	STARKEY, ROBERT	4,737.13	
	01/05/24	STEINER, JOSEPH	5,421.04	
	01/05/24	STOCK, AUBREY	4,085.24	
	01/05/24	SUEDKAMP, ADAM	4,721.87	
	01/05/24	SWETALA, NOAH	3,826.35	
	01/05/24	TAUZELL, BRIAN	4,991.27	
	01/05/24	ULVENES, AMANDA	2,030.79	

**CITY OF MAPLEWOOD
EMPLOYEE GROSS EARNINGS REPORT
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	01/05/24	WEAVER, TAWNY	3,829.87	
	01/05/24	WENZEL, JAY	4,292.50	
	01/05/24	WERTH, JENNIFER	2,504.19	
	01/05/24	WIETHORN, AMANDA	4,612.91	
	01/05/24	XIONG, KAO	4,157.79	
	01/05/24	XIONG, PETER	3,372.00	
	01/05/24	XIONG, TUOYER	4,371.29	
	01/05/24	YANG, THANG	3,857.04	
	01/05/24	ZAPPA, ANDREW	4,223.57	
	01/05/24	BARRETTE, CHARLES	4,964.82	
	01/05/24	BAUMAN, ANDREW	4,436.51	
	01/05/24	BEITLER, NATHAN	4,279.86	
	01/05/24	CAMPBELL, MACLANE	5,455.29	
	01/05/24	COOK, NICKLAUS	3,893.21	
	01/05/24	COOK, TANNER	4,045.61	
	01/05/24	CRAWFORD, RAYMOND	4,542.17	
	01/05/24	CRUMMY, CHARLES	4,586.66	
	01/05/24	DABRUZZI, THOMAS	5,191.04	
	01/05/24	DAVISON, BRADLEY	4,447.27	
	01/05/24	HAGEN, JOHN	3,959.49	
	01/05/24	HAGEN, MICHAEL	4,552.82	
	01/05/24	HALWEG, JODI	4,718.27	
	01/05/24	HANG, RYAN	3,393.88	
	01/05/24	HAWTHORNE, ROCHELLE	5,995.00	
	01/05/24	KUBAT, ERIC	5,151.06	
	01/05/24	LANDER, CHARLES	5,882.26	
	01/05/24	LANIK, JAKE	5,291.73	
	01/05/24	MALESKI, MICHAEL	4,860.80	
	01/05/24	MCGEE, BRADLEY	4,564.64	
	01/05/24	MERKATORIS, BRETT	4,717.87	
	01/05/24	MILLER, SETH	5,157.85	
	01/05/24	MONDOR, MICHAEL	6,560.09	
	01/05/24	NEILY, STEVEN	4,039.71	
	01/05/24	NELSON, GRADON	5,354.72	
	01/05/24	NIELSEN, KENNETH	4,523.15	
	01/05/24	NOVAK, JEROME	4,142.39	
	01/05/24	ORLANDO, TYLER	4,817.60	
	01/05/24	POWERS, KENNETH	5,738.27	
	01/05/24	SCHROEDER, RYAN	4,854.40	
	01/05/24	SEDLACEK, JEFFREY	5,810.09	
	01/05/24	SOHRWEIDE, TYSON	5,022.33	

**CITY OF MAPLEWOOD
EMPLOYEE GROSS EARNINGS REPORT
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	01/05/24	SPANDE, KAYLA	2,504.19	
	01/05/24	WARDELL, JORDAN	4,779.56	
	01/05/24	WILLIAMSON, MICHAEL	5,219.73	
	01/05/24	ZAPPA, ERIC	5,463.15	
	01/05/24	CORTESI, LUANNE	2,468.80	
	01/05/24	JANASZAK, MEGHAN	3,641.01	
	01/05/24	BRINK, TROY	3,856.84	
	01/05/24	BUCKLEY, BRENT	4,943.82	
	01/05/24	EDGE, DOUGLAS	3,016.52	
	01/05/24	HERBST, JONATHEN	2,388.09	
	01/05/24	JORDAN, TIMOTHY	2,320.19	
	01/05/24	MEISSNER, BRENT	3,005.90	
	01/05/24	MLODZIK, JASON	2,765.29	
	01/05/24	MORRIS-KARL, AIDEN	2,335.08	
	01/05/24	RUNNING, ROBERT	1,130.97	
	01/05/24	TEVLIN, TODD	3,042.21	
	01/05/24	YANG, SOLOMAN	2,279.68	
	01/05/24	DUCHARME, JOHN	3,591.02	
	01/05/24	ENGSTROM, ANDREW	3,588.71	
	01/05/24	JAROSCH, JONATHAN	4,846.14	
	01/05/24	LOVE, STEVEN	6,938.45	
	01/05/24	STEJSKAL, JAYSON	3,190.59	
	01/05/24	STRONG, TYLER	3,640.99	
	01/05/24	AMENYA, FLORENCE	35.75	
	01/05/24	CAMPBELL, NOAH	52.00	
	01/05/24	GERNES, CAROLE	3,693.46	555.65
	01/05/24	GORACKI, CECELIA	243.75	
	01/05/24	MCKANE, QUINN	195.00	
	01/05/24	FRIBERG, DAVID	2,478.09	
	01/05/24	HAYS, TAMARA	2,989.59	
	01/05/24	HINNENKAMP, GARY	3,147.02	
	01/05/24	NAUGHTON, JOHN	2,994.21	
	01/05/24	ORE, JORDAN	2,989.59	
	01/05/24	STOKES, KAL	2,574.09	
	01/05/24	BEGGS, REGAN	2,707.29	
	01/05/24	HAMMOND, ELIZABETH	2,686.34	
	01/05/24	JOHNSON, ELIZABETH	2,704.99	
	01/05/24	JOHNSON, RANDY	4,693.60	
	01/05/24	PARR, DANETTE	7,459.61	
	01/05/24	SCHORR, JENNIFER	2,148.99	
	01/05/24	FINWALL, SHANN	4,324.62	233.21

**CITY OF MAPLEWOOD
EMPLOYEE GROSS EARNINGS REPORT
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	01/05/24	MARTIN, MICHAEL	4,766.26	
	01/05/24	LENTZ, DANIEL	3,445.79	
	01/05/24	NIELSEN, DANIEL	1,512.50	
	01/05/24	THIENES, PAUL	3,270.24	
	01/05/24	WESTLUND, RONALD	3,068.99	
	01/05/24	YOUNG, MATTHEW	2,964.00	
	01/05/24	WELLENS, MOLLY	2,657.30	
	01/05/24	BRENEMAN, NEIL	3,641.01	
	01/05/24	GORACKI, GERALD	130.00	
	01/05/24	MOORE, PATRICK	35.75	
	01/05/24	ROBBINS, AUDRA	4,973.64	
	01/05/24	BERGO, CHAD	3,968.21	
	01/05/24	SCHMITZ, KEVIN	2,777.48	104.19
	01/05/24	SHEERAN JR, JOSEPH	4,847.21	
	01/05/24	ADAMS, DAVID	3,865.87	
	01/05/24	JENSEN, JOSEPH	2,888.32	
	01/05/24	JONES, DONALD	2,994.21	
	01/05/24	SCHULTZ, SCOTT	4,873.64	
	01/05/24	WILBER, JEFFREY	3,225.98	
	01/05/24	PRIEM, STEVEN	3,287.73	
	01/05/24	WOEHRLE, MATTHEW	2,995.69	
	01/05/24	XIONG, BOON	2,989.59	
	01/05/24	FOWLDS, MYCHAL	5,765.78	
	01/05/24	FRANZEN, NICHOLAS	4,724.75	
	01/05/24	GERONSIN, ALEXANDER	3,707.15	
	01/05/24	RENNER, MICHAEL	4,145.88	
			<u>\$ 714,990.36</u>	<u>\$ 13,799.23</u>

Purchasing Card Items

Transaction Date	Posting Date	Merchant Name	Transaction Amount	Name
12/21/2023	12/26/2023	MENARDS 3385	\$ 71.95	DAVE ADAMS
12/21/2023	12/26/2023	ODP BUS SOL LLC # 101090	386.64	REGAN BEGGS
12/20/2023	12/21/2023	AMZN MKTP US*SM7ID5QQ3	89.98	BRIAN BIERDEMAN
12/21/2023	12/22/2023	AMZN MKTP US*V56XJ5LD3	401.68	BRIAN BIERDEMAN
12/26/2023	12/27/2023	AMZN MKTP US*TU8VD1772	24.84	BRIAN BIERDEMAN
12/21/2023	12/22/2023	TARGET 00011858	8.39	NEIL BRENEMAN
12/18/2023	12/19/2023	CINTAS CORP	89.40	TROY BRINK
12/20/2023	12/21/2023	CINTAS CORP	269.84	TROY BRINK
12/26/2023	12/28/2023	SAFE-FAST(MW)	85.50	TROY BRINK
12/18/2023	12/19/2023	FASTENAL COMPANY 01MNT11	12.60	BRENT BUCKLEY
12/18/2023	12/19/2023	FASTENAL COMPANY 01MNT11	8.04	BRENT BUCKLEY
12/20/2023	12/22/2023	THE HOME DEPOT #2801	59.72	BRENT BUCKLEY
12/19/2023	12/20/2023	GRAFIX SHOPPE	55.00	DANIEL BUSACK
12/20/2023	12/21/2023	GRAPHIC DESIGN INC	211.62	DANIEL BUSACK
12/28/2023	12/29/2023	EMERGENCY AUTO TECH	1,237.09	DANIEL BUSACK
12/27/2023	12/29/2023	ESD INC	35.34	SCOTT CHRISTENSON
12/19/2023	12/20/2023	NEW YORK MAGAZINE	8.00	MELINDA COLEMAN
12/18/2023	12/20/2023	MN IAAI	25.00	THOMAS DABRUZZI
12/19/2023	12/21/2023	THE HOME DEPOT #2801	19.98	JOSEPH DEMULLING
12/22/2023	12/26/2023	RED WING SHOE #727	64.99	TOM DOUGLASS
12/18/2023	12/21/2023	WWW.BROWNELLSINC.COM	102.39	MICHAEL DUGAS
12/23/2023	12/26/2023	BLACKHAWK	81.12	MICHAEL DUGAS
12/17/2023	12/18/2023	ZOOM.US 888-799-9666	485.82	MYCHAL FOWLDS
12/17/2023	12/18/2023	COMCAST CABLE COMM	4.62	MYCHAL FOWLDS
12/26/2023	12/27/2023	HYDROCAD SOFTWARE SOLUTIO	264.00	MYCHAL FOWLDS
12/26/2023	12/27/2023	CENTURYLINK LUMEN	64.70	MYCHAL FOWLDS
12/26/2023	12/27/2023	CENTURYLINK LUMEN	72.22	MYCHAL FOWLDS
12/26/2023	12/27/2023	CENTURYLINK LUMEN	73.70	MYCHAL FOWLDS
12/26/2023	12/27/2023	CENTURYLINK LUMEN	72.22	MYCHAL FOWLDS
12/26/2023	12/27/2023	CENTURYLINK LUMEN	66.44	MYCHAL FOWLDS
12/26/2023	12/27/2023	CENTURYLINK LUMEN	206.41	MYCHAL FOWLDS
12/29/2023	12/29/2023	COMCAST CABLE COMM	16.17	MYCHAL FOWLDS
12/20/2023	12/21/2023	AMZN MKTP US*UH8TZ4M63	26.95	NICK FRANZEN
12/23/2023	12/26/2023	EXCLAIMER	3,214.80	NICK FRANZEN
12/15/2023	12/18/2023	AMZN MKTP US*PO4ZE6A23	30.66	ALEX GERONSIN
12/19/2023	12/20/2023	CDW GOVT #NQ69549	1,439.20	ALEX GERONSIN
12/18/2023	12/20/2023	MENARDS OAKDALE MN	61.73	TAMARA HAYS
12/21/2023	12/26/2023	OFFICEMAX/DEPOT 6164	19.57	TAMARA HAYS
12/27/2023	12/28/2023	AMAZON.COM*A35LH8C23	75.00	LINDSAY HERZOG
12/27/2023	12/28/2023	GRUBERS POWER EQUIPMEN	62.97	GARY HINNENKAMP
12/18/2023	12/19/2023	IN *C & H PRECISION WEAPO	473.76	MICHAEL HOEMKE
12/19/2023	12/21/2023	THE HOME DEPOT #2801	37.44	DAVID JAHN
12/21/2023	12/22/2023	AMZN MKTP US*XW5Z02N63	981.72	MEGHAN JANASZAK
12/26/2023	12/27/2023	AMZN MKTP US*2Y3XM9VX3	49.49	MEGHAN JANASZAK

Purchasing Card Items

Transaction Date	Posting Date	Merchant Name	Transaction Amount	Name
12/23/2023	12/26/2023	AMZN MKTP US*BX2YK8NX3	65.70	BARB JOHNSON
12/19/2023	12/19/2023	INT'L CODE COUNCIL INC	335.00	RANDY JOHNSON
12/19/2023	12/21/2023	MENARDS 3385	33.83	DON JONES
12/27/2023	12/29/2023	MENARDS 3385	23.97	DON JONES
12/16/2023	12/18/2023	AMZN MKTP US*039LL8BO3	25.90	LOIS KNUTSON
12/20/2023	12/20/2023	PANERA BREAD #601305 O	111.35	LOIS KNUTSON
12/26/2023	12/27/2023	SQ *RED CEDAR CONSULTING,	1,955.50	LOIS KNUTSON
12/19/2023	12/21/2023	MINNESOTA STATE FIRE CHIE	60.00	ERIC KUBAT
12/19/2023	12/21/2023	MN IAAI	25.00	ERIC KUBAT
12/16/2023	12/18/2023	MINNESOTA STATE COLLEGES	600.00	BRAD MCGEE
12/18/2023	12/20/2023	MENARDS 3385	2.44	JASON MLODZIK
12/15/2023	12/18/2023	CALIBRE PRESS	199.00	RACHEL MURRAY
12/29/2023	12/29/2023	MINNESOTA STATE COLLEGES	575.00	KEN NIELSEN
12/15/2023	12/18/2023	MN IAAI	25.00	JERRY NOVAK
12/18/2023	12/19/2023	MINNESOTA STATE	47.00	JERRY NOVAK
12/27/2023	12/28/2023	TARGET 00011858	19.98	MICHAEL NYE
12/22/2023	12/26/2023	IPROMOTEU	1,221.34	DANETTE PARR
12/27/2023	12/28/2023	LIFE ASSIST INC	1,351.50	KENNETH POWERS
12/15/2023	12/18/2023	FACTORY MOTOR PARTS (19)	16.12	STEVEN PRIEM
12/18/2023	12/20/2023	ZARNOTH BRUSH WORKS INC	1,908.00	STEVEN PRIEM
12/21/2023	12/22/2023	COREMARK METALS -MN	1,266.37	STEVEN PRIEM
12/21/2023	12/22/2023	FACTORY MOTOR PARTS (19)	35.56	STEVEN PRIEM
12/22/2023	12/26/2023	FACTORY MOTOR PARTS (19)	5.31	STEVEN PRIEM
12/22/2023	12/26/2023	FACTORY MOTOR PARTS (19)	10.92	STEVEN PRIEM
12/22/2023	12/26/2023	FACTORY MOTOR PARTS (19)	21.84	STEVEN PRIEM
12/26/2023	12/27/2023	FACTORY MOTOR PARTS (19)	53.88	STEVEN PRIEM
12/27/2023	12/28/2023	AN FORD WHITE BEAR LAK	229.85	STEVEN PRIEM
12/27/2023	12/28/2023	AN FORD WHITE BEAR LAK	65.12	STEVEN PRIEM
12/27/2023	12/28/2023	FACTORY MOTOR PARTS (19)	20.82	STEVEN PRIEM
12/27/2023	12/28/2023	FACTORY MOTOR PARTS (19)	20.82	STEVEN PRIEM
12/28/2023	12/29/2023	TRI-STATE BOBCAT	159.12	STEVEN PRIEM
12/16/2023	12/18/2023	AMZN MKTP US*3J67H2XT3	252.26	MICHAEL RENNER
12/28/2023	12/29/2023	AMAZON.COM*1C6K60MV3	49.99	MICHAEL RENNER
12/21/2023	12/22/2023	BTS*PLAYPOWER LT FARM	818.98	AUDRA ROBBINS
12/26/2023	12/28/2023	ON SITE SANITATION INC	637.00	AUDRA ROBBINS
12/28/2023	12/29/2023	COREMARK METALS -MN	26.87	ROBERT RUNNING
12/28/2023	12/29/2023	COREMARK METALS -MN	32.73	ROBERT RUNNING
12/22/2023	12/26/2023	DONATELLI'S RESTAURANT	663.19	RYAN SCHROEDER
12/19/2023	12/20/2023	GALLS	2,364.47	STEPHANIE SHEA
12/21/2023	12/22/2023	CINTAS CORP	218.00	STEPHANIE SHEA
12/26/2023	12/27/2023	THOMSON WEST*TCD	667.32	STEPHANIE SHEA
12/27/2023	12/28/2023	MINNESOTA SHERIFFS ASSOC	175.00	STEPHANIE SHEA
12/27/2023	12/28/2023	MINNESOTA SHERIFFS ASSOC	175.00	STEPHANIE SHEA
12/28/2023	12/29/2023	CINTAS CORP	109.00	STEPHANIE SHEA

Purchasing Card Items

<u>Transaction Date</u>	<u>Posting Date</u>	<u>Merchant Name</u>	<u>Transaction Amount</u>	<u>Name</u>
12/14/2023	12/18/2023	IMPARK00200150U	15.00	JOE SHEERAN
12/21/2023	12/22/2023	AMZN MKTP US*M41AH8KG3	54.84	KAYLA SPANDE
12/18/2023	12/20/2023	AN FORD WHITE BEAR LAK	52.60	MATT WOEHRLE
12/19/2023	12/21/2023	AN FORD WHITE BEAR LAK	1,192.00	MATT WOEHRLE
12/21/2023	12/22/2023	MACQUEEN EMERG/EQUIP	641.38	MATT WOEHRLE
12/19/2023	12/20/2023	AN FORD WHITE BEAR LAK	706.55	BOON XIONG
12/18/2023	12/19/2023	LIFE ASSIST INC	434.40	ERIC ZAPPA
			<u>\$ 30,926.52</u>	

CITY COUNCIL STAFF REPORT
Meeting Date January 22, 2024

REPORT TO: Melinda Coleman, City Manager

REPORT FROM: Andrea Sindt, City Clerk
Christine Evans, Deputy City Clerk

PRESENTER: Andrea Sindt, City Clerk

AGENDA ITEM: Local Lawful Gambling Permit for Knights of Columbus #4374, 1695 Kennard Street

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

A request for a Local Lawful Gambling permit has been submitted by the Knights of Columbus #4374. Approval of the request would allow lawful gambling activity to be conducted during the organization's KC Bingo held at Presentation of Mary Grade School, 1695 Kennard Street, on March 23, 2024.

Recommended Action:

Motion to approve the Local Lawful Gambling permit for Knights of Columbus #4374 for their event on March 23, 2024.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is 0.00

 Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: NA

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship

Integrated Communication Operational Effectiveness Targeted Redevelopment

Council approval is required prior to issuance of a local gambling permit, per City Code Sec. 22-12.

Background:

Lawful gambling activity conducted at this event is exempt from state licensure under MN §349.166. MN §349.213 authorizes cities to require a local permit for conduct of lawful gambling exempt from state licensing requirements.

Attachments:

None

CITY COUNCIL STAFF REPORT
Meeting Date January 22, 2024

REPORT TO: Melinda, Coleman

REPORT FROM: Steven Love, Public Works Director / City Engineer
Jon Jarosch, Assistant City Engineer

PRESENTER: Steven Love

AGENDA ITEM: Resolution for Reduction of Retainage on Existing Construction Contract, Woodlynn-Southlawn Area Street Improvements, City Project 22-17

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

T.A. Schifsky & Sons, the Contractor, has requested the City reduce the amount of retainage held on the Woodlynn-Southlawn construction contract from 5.0% to 2.0% due to the majority of the contract work being completed. City Council will consider approving the attached resolution for reduction of retainage on the existing construction contract.

Recommended Action:

Motion to approve the attached resolution for reduction of retainage on existing construction contract for the Woodlynn-Southlawn Area Street Improvements, City Project 22-17.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$2,389,097.43

 Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: This proposed reduction of retainage will reduce held retainage from \$118,542.27 to \$47,416.91. No adjustments to the approved budget are necessary at this time.

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

This infrastructure improvement project was previously identified in the City's Capital Improvement Plan and included the reconstruction of the Woodlynn-Southlawn area streets.

Background:

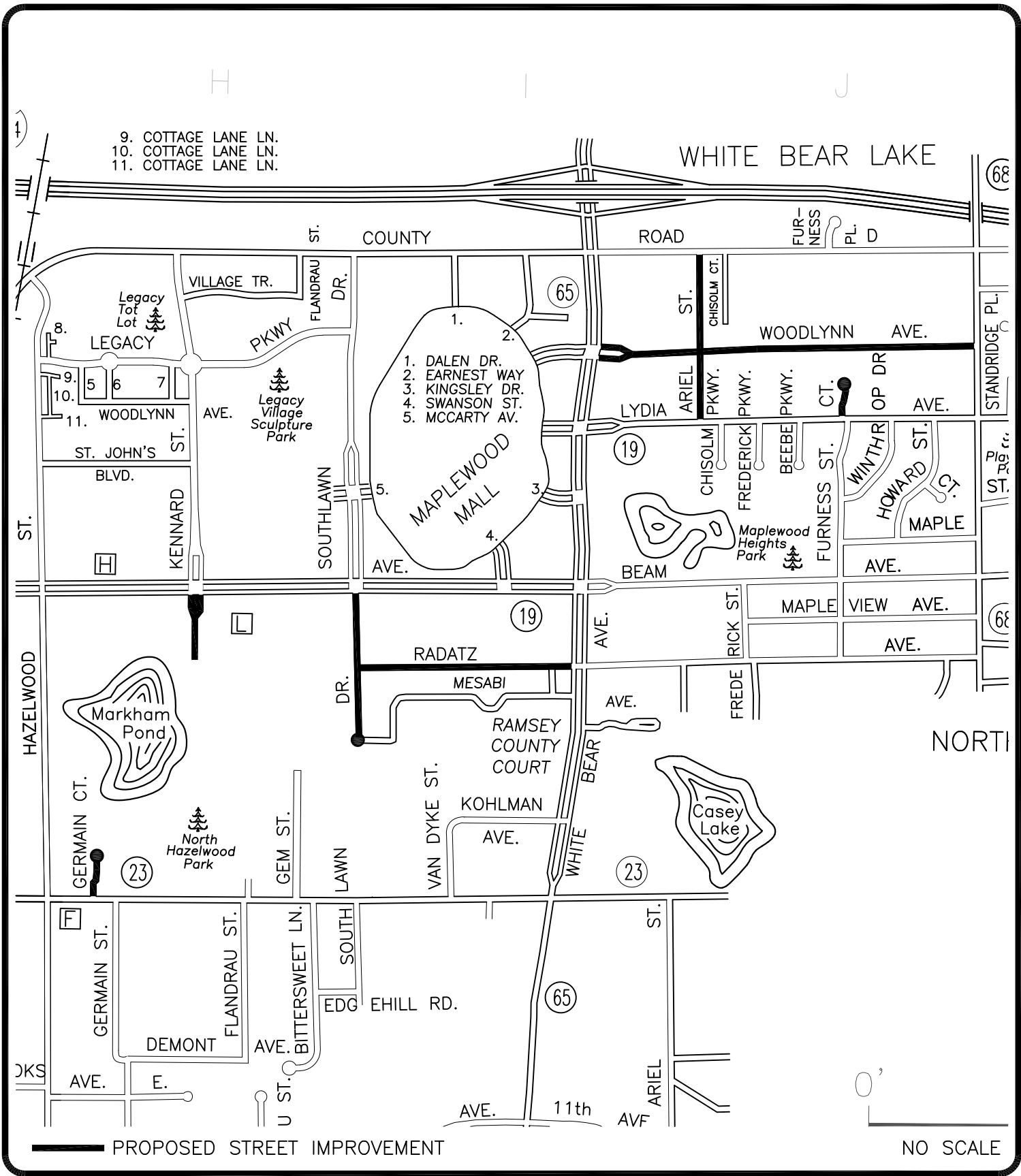
On May 8 of 2023, the City Council awarded a construction contract to T.A. Schifsky & Sons for the Woodlynn-Southlawn Area Street Improvements, City Project 22-17, in the amount of \$2,389,097.43.

The project included; full depth reclamation of the project streets, installation of the concrete curb and gutter, addition of sidewalks on select streets, sanitary sewer system improvements, storm sewer system improvements, new street pavement and a reconfiguration of Woodlynn Avenue to better fit the needs of the Woodlynn Avenue residents and public traffic.

T.A. Schifsky & Sons has completed the vast majority of the construction contract work, with only minor items left to complete in 2024. A reduction in contract retainage from \$118,542.27 to \$47,416.91 is justified at this time based upon the amount of completed work.

Attachments:

1. 22-17 Project Location Map
2. Payment Application #10 – Retainage Reduction
3. Resolution for Reduction of Retainage on Existing Construction Contract



Woodlynn-Southlawn Area Street Improvements
Project Location Map
City Project 22-17



APPLICATION FOR PAYMENT PAYMENT NO. 10

Contract: City Project 22-17
Project: Woodlynn-Southlawn Area Street Improvements
Owner: City of Maplewood, Minnesota
Contractor: T.A. Schifsky & Sons

Application Date: 1/12/2024
For Period Ending: 1/12/2024

Original Contract Amount:		\$ 2,389,097.43
Contract Amendments:		\$ -
Contract Amount to Date:		\$ 2,389,097.43
Total Amount of Work Completed to Date:		\$ 2,370,845.49
Material Stored On-Site but not in Work:		\$ -
Gross Amount Due to Date:		\$ 2,370,845.49
Less Retainage	2.00%	\$ 47,416.91
Amount Due to Date:		\$ 2,323,428.58
Less Previous Payments:		\$ 2,252,303.21
Total Due This Application:		\$ 71,125.36

I hereby certify that all items and amounts shown are correct for the work completed to date.

Contractor: T.A. Schifsky & Sons

By:

Date:

The work on this project and application for payment have been reviewed and the amount shown is recommended for payment.

Engineer: City of Maplewood - Public Works Department

By:

Date:

Approved for Payment

Owner: City of Maplewood

By:

Date:

Payment Application No. 10

Contract: City of Maplewood Project 22-17

Project Name: Woodlynn-Southlawn Area Street Improvements

BASE BID

STREET IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
1	2021.501	MOBILIZATION	LS	1	\$ 84,000.00	\$ 84,000.00		1	\$ 84,000.00
2	2101.502	CLEARING AND GRUBBING, SINGLE TREE	EACH	15	\$ 482.04	\$ 7,230.60		14	\$ 6,748.56
3	2104.502	REMOVE SIGN	EACH	1	\$ 41.20	\$ 41.20		2	\$ 82.40
4	2104.502	SALVAGE SIGN	EACH	1	\$ 41.20	\$ 41.20		2	\$ 82.40
5	2104.502	SALVAGE MAILBOX ASSEMBLY, ALL TYPES	EACH	32	\$ 50.00	\$ 1,600.00		43	\$ 2,150.00
6	2104.503	REMOVE CONCRETE CURB & GUTTER, ALL TYPES	LF	4,745	\$ 3.00	\$ 14,235.00		6710.50	\$ 20,131.50
7	2104.503	SAW BITUMINOUS ROADWAY PAVEMENT, FULL DEPTH	LF	871	\$ 2.25	\$ 1,959.75		871	\$ 1,959.75
8	2104.503	SALVAGE LANDSCAPE EDGER OR SHORT WALL	LF	10	\$ 15.00	\$ 150.00			\$ -
9	2104.504	REMOVE BITUMINOUS DRIVEWAY/APRON/TRAIL	SY	1,279	\$ 4.50	\$ 5,755.50		3238	\$ 14,571.00
10	2104.504	REMOVE CONCRETE DRIVEWAY/APRON/WALK	SY	1,203	\$ 5.00	\$ 6,015.00		1108.40	\$ 5,542.00
11	2104.518	REMOVE EXISTING RETAINING WALL	SF	250	\$ 10.00	\$ 2,500.00		500	\$ 5,000.00
12	2104.604	SALVAGE LANDSCAPE PAVERS	SY	5	\$ 25.00	\$ 125.00			\$ -
13	2104.604	SALVAGE LANDSCAPE ROCK	SY	5	\$ 25.00	\$ 125.00			\$ -
14	2106.507	COMMON EXCAVATION (EV) (P)	CY	1,693	\$ 23.00	\$ 38,939.00		1693	\$ 38,939.00
15	2106.507	SUBGRADE EXCAVATION (EV)	CY	987	\$ 20.00	\$ 19,740.00		154	\$ 3,080.00
16	2106.607	SALVAGE, STOCKPILE AND INSTALL RECLAIM MATERIAL (CV)	CY	1,386	\$ 10.00	\$ 13,860.00		532	\$ 5,320.00
17	2106.509	TEMPORARY STABILIZING AGGREGATE, 1.5-INCH MINUS	TON	47	\$ 50.00	\$ 2,350.00			\$ -
18	2108.504	NON-WOVEN GEOTEXTILE FILTER FABRIC TYPE 4, FLARED END SECTIONS	SY	7	\$ 10.00	\$ 70.00		7	\$ 70.00
19	2123.61	STREET SWEEPER, WITH PICKUP BROOM	hour	44	\$ 140.00	\$ 6,160.00		51	\$ 7,140.00
20	2130.523	WATER FOR DUST CONTROL	MGAL	147	\$ 20.00	\$ 2,940.00		319	\$ 6,380.00
21	2211.509	AGGREGATE BASE CLASS 6 FOR GRADING, AS NEEDED BASIS	TON	1,751	\$ 15.00	\$ 26,265.00		806	\$ 12,090.00
22	2215.504	FULL DEPTH RECLAMATION, 6-INCH DEPTH	SY	2,289	\$ 3.25	\$ 7,439.25		2289	\$ 7,439.25
23	2215.504	FULL DEPTH RECLAMATION, 8-INCH DEPTH	SY	9,488	\$ 3.33	\$ 31,595.04		9488	\$ 31,595.04
24	2215.504	FULL DEPTH RECLAMATION, 10-INCH DEPTH	SY	18,276	\$ 3.38	\$ 61,772.88		17876	\$ 60,420.88
25	2215.504	FULL DEPTH RECLAMATION, 12-INCH DEPTH	SY	9,858	\$ 3.60	\$ 35,488.80		9858	\$ 35,488.80
26	2232.503	EDGE MILL BITUMINOUS PAVEMENT	LF	871	\$ 5.00	\$ 4,355.00		871	\$ 4,355.00
27	2331.603	JOINT ADHESIVE	LF	19,583	\$ 0.65	\$ 12,728.95		20037	\$ 13,024.05
28	2331.603	BITUMINOUS ROAD PAVEMENT CONTROL JOINT SAW AND SEAL	LF	6,562	\$ 3.62	\$ 23,754.44		6810	\$ 24,652.20
29	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	3,135	\$ 0.01	\$ 31.35		540	\$ 5.40
30	2360.504	TYPE SPWEA330L BITUMINOUS MIXTURE, 1 - 3-INCH LIFT, RESIDENTIAL DRIVEWAY	SY	810	\$ 26.59	\$ 21,537.90		959	\$ 25,499.81
31	2360.504	TYPE SPWEA430B BITUMINOUS MIXTURE, 2 - 2-INCH LIFTS, COMMERCIAL DRIVEWAY	SY	849	\$ 33.70	\$ 28,611.30		1130	\$ 38,081.00
32	2360.504	TYPE SPWEA230B BITUMINOUS MIXTURE, 1 - 3-INCH LIFT, TRAIL	SY	3	\$ 48.97	\$ 146.91		10	\$ 489.70
33	2360.509	TYPE SPWEA340C BITUMINOUS MIXTURE	TON	3,981	\$ 94.86	\$ 377,637.66		3781.69	\$ 358,731.11
34	2360.509	TYPE SPWEB340C BITUMINOUS MIXTURE	TON	3,646	\$ 81.32	\$ 296,492.72		3527.62	\$ 286,866.06
35	2360.509	TYPE SPNWB330C BITUMINOUS MIXTURE	TON	598	\$ 80.99	\$ 48,432.02		560.32	\$ 45,380.32
36	2413.618	ENGINEERED MODULAR BLOCK RETAINING WALL (KENNARD STREET)	SF	250	\$ 46.68	\$ 11,670.00		480	\$ 22,406.40
37	2502.503	4-INCH PERFORATED DRAIN TUBING WITH TYPE 1 SOCK, INCLUDES FILTER AGGREGATE	LF	400	\$ 15.00	\$ 6,000.00		401.50	\$ 6,022.50

38	2521.618	4-INCH CONCRETE SIDEWALK, HE STRENGTH	S F	27,446	\$ 6.59	\$ 180,869.14	26437	\$ 174,219.83
39	2531.602	CONCRETE MEDIAN NOSE (MNDOT STANDARD PLATE 7109C) (HE CONCRETE)	EACH	3	\$ 642.72	\$ 1,928.16	4	\$ 2,570.88
40	2531.503	CONCRETE CURB & GUTTER DESIGN B618, B624, D412, TRANSITIONS, KNOCKDOWNS, HE STRENGTH	L F	8,885	\$ 24.67	\$ 219,192.95	10116	\$ 249,549.39
41	2531.504	6-INCH CONCRETE DRIVEWAY PAVEMENT, RESIDENTIAL, HE STRENGTH	S Y	1,263	\$ 94.25	\$ 119,037.75	1266.50	\$ 119,367.63
42	2531.504	8-INCH CONCRETE DRIVEWAY PAVEMENT, COMMERCIAL, HE STRENGTH	S Y	32	\$ 139.05	\$ 4,449.60	91	\$ 12,699.44
43	2531.618	6-INCH CONCRETE PEDESTRIAN CURB RAMP, HE STRENGTH	S F	1,076	\$ 16.22	\$ 17,452.72	1633	\$ 26,487.26
44	2531.618	TRUNCATED DOMES	S F	298	\$ 64.89	\$ 19,337.22	325	\$ 21,089.25
45	2540.602	INSTALL SALVAGED MAILBOX ASSEMBLY, ALL TYPES	EACH	32	\$ 150.00	\$ 4,800.00	41	\$ 6,150.00
46	2540.602	FURNISH & INSTALL MAILBOX ASSEMBLY, ALL TYPES	EACH	4	\$ 250.00	\$ 1,000.00	7	\$ 1,750.00
47	2540.602	INSTALL SALVAGED STREET SIGN	EACH	1	\$ 257.50	\$ 257.50		\$ -
48	2540.603	INSTALL SALVAGED LANDSCAPE EDGER OR SHORT WALL (ALL TYPES)	L F	10	\$ 22.50	\$ 225.00		\$ -
49	2540.604	INSTALL LANDSCAPE ROCK 3" THICK W/WEED BARRIER	S Y	5	\$ 35.00	\$ 175.00		\$ -
50	2540.604	INSTALL SALVAGED LANDSCAPE PAVERS	S Y	5	\$ 125.00	\$ 625.00		\$ -
51	2563.601	TRAFFIC CONTROL - NEIGHBORHOOD	L S	1	\$ 56,547.00	\$ 56,547.00	1.00	\$ 56,547.00
52	2563.618	TEMPORARY CONSTRUCTION SIGN-SPECIAL	S F	175	\$ 21.63	\$ 3,785.25	30	\$ 648.90
53	2564.602	FURNISH & INSTALL SIGN	EACH	16	\$ 6,180.00	\$ 98,880.00	16	\$ 98,880.00
54	2565.602	RIGID PVC LOOP DETECTOR 6'X6'	EACH	13	\$ 1,287.00	\$ 16,731.00	15	\$ 19,305.00
55	2571.602	INSTALL DECIDUOUS TREE, #20 CONTAINER	EACH	15	\$ 747.78	\$ 11,216.70	17	\$ 12,712.26
56	2573.501	EROSION CONTROL, CONTRACTOR'S PLAN	LS	1	\$ 1,500.00	\$ 1,500.00	1.00	\$ 1,500.00
57	2573.502	STORM DRAIN INLET PROTECTION, ALL TYPES	EACH	92	\$ 145.00	\$ 13,340.00	94	\$ 13,630.00
58	2573.502	STABILIZED CONSTRUCTION EXIT	EACH	4	\$ 700.00	\$ 2,800.00		\$ -
59	2573.503	SEDIMENT CONTROL LOG, TYPE COMPOST	L F	45	\$ 8.50	\$ 382.50	220	\$ 1,870.00
60	2573.603	SILT FENCE, HEAVY DUTY, MACHINE SLICED	L F	10	\$ 25.75	\$ 257.50		\$ -
61	2574.504	LOAM TOPSOIL BORROW, 4-INCH	S Y	10,603	\$ 3.61	\$ 38,276.83	10686	\$ 38,576.46
62	2574.508	COMMERCIAL FERTILIZER TYPE 1, 10-10-10 FOR SODDED/SEEDED AREAS, 300 LB/AC	LB	657	\$ 1.03	\$ 676.71	675	\$ 695.25
63	2575.504	SODDING TYPE MINERAL	S Y	5,007	\$ 9.26	\$ 46,364.82	2404	\$ 22,261.04
64	2575.504	EROSION CONTROL BLANKET FUTERRA F4, BY RAMY TURF PRODUCTS OR APPROVED EQUAL	S Y	5,597	\$ 5.67	\$ 31,734.99	8116	\$ 46,017.72
65	2575.508	TURF ESTABLISHMENT, RESIDENTIAL LAWNS, STREET SIDE BOULEVARD SALT TOLERANT SEED BY RAMY TURF, 300 LB/ACRE	LB	347	\$ 5.15	\$ 1,787.05	494	\$ 2,544.10
66	2575.523	WATER FOR TURF ESTABLISHMENT (ADDITIONAL)	MGAL	112	\$ 5.87	\$ 657.44	14	\$ 82.18
67	2582.503	4-INCH SOLID LINE WHITE, EPOXY MULTI-COMPONENT	L F	5,004	\$ 0.52	\$ 2,602.08	5038	\$ 2,619.76
68	2582.503	4-INCH BROKEN LINE WHITE, EPOXY MULTI-COMPONENT	L F	320	\$ 0.52	\$ 166.40	310	\$ 161.20
69	2582.503	4-INCH SOLID LINE YELLOW, EPOXY MULTI-COMPONENT	L F	448	\$ 0.52	\$ 232.96	498	\$ 258.96
70	2582.503	4-INCH DOUBLE LINE YELLOW, EPOXY MULTI-COMPONENT	L F	4,962	\$ 1.03	\$ 5,110.86	4490	\$ 4,624.70
71	2582.503	24-INCH SOLID LINE YELLOW, EPOXY MULTI-COMPONENT	L F	27	\$ 9.27	\$ 250.29	18	\$ 166.86
72	2582.518	PAVEMENT MESSAGE WHITE, EPOXY MULTI-COMPONENT	S F	125	\$ 10.30	\$ 1,287.50	125	\$ 1,287.50
73	2582.518	CROSSWALK WHITE, EPOXY MULTI-COMPONENT	S F	1,260	\$ 6.70	\$ 8,442.00	1224	\$ 8,200.80
STREET IMPROVEMENTS SUBTOTAL:						\$ 2,114,176.39		\$ 2,120,217.49

STORM SEWER IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
74	2104.502	REMOVE & DISPOSE OF DRAINAGE STRUCTURE, ANY SIZE OR TYPE	EACH	16	\$ 468.65	\$ 7,498.40		16	\$ 7,498.40
75	2104.502	SALVAGE STORM SEWER CASTING	EACH	11	\$ 150.00	\$ 1,650.00		19	\$ 2,850.00
76	2104.503	REMOVE & DISPOSE OF STORM SEWER PIPE, ANY SIZE OR TYPE	LF	253	\$ 10.30	\$ 2,605.90		253	\$ 2,605.90
77	2451.603	PIPE BEDDING MATERIAL FOR STORM SEWER, MAPLEWOOD STANDARD PLATES 340 & 341	LF	153	\$ 7.21	\$ 1,103.13			\$ -
78	2501.502	15-INCH RC PIPE APRON, NO TRASH GUARD	EACH	2	\$ 1,545.00	\$ 3,090.00		2	\$ 3,090.00
79	2503.502	CONNECT TO EXISTING STORM SEWER STRUCTURE	EACH	1	\$ 1,236.00	\$ 1,236.00		2	\$ 2,472.00
80	2503.502	CONNECT TO EXISTING STORM SEWER PIPE	EACH	19	\$ 772.50	\$ 14,677.50		20	\$ 15,450.00
81	2503.503	12-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	12	\$ 82.40	\$ 988.80		18	\$ 1,483.20
82	2503.503	12-INCH RC PIPE SEWER CLASS IV	LF	68	\$ 77.25	\$ 5,253.00		39	\$ 3,012.75
83	2503.503	15-INCH RC PIPE SEWER CLASS IV	LF	43	\$ 82.40	\$ 3,543.20		69	\$ 5,685.60
84	2503.503	18-INCH RC PIPE SEWER CLASS IV	LF	10	\$ 82.40	\$ 824.00			\$ -
85	2503.503	21-INCH RC PIPE SEWER CLASS IV	LF	10	\$ 97.85	\$ 978.50			\$ -
86	2503.503	27-INCH RC PIPE SEWER CLASS IV	LF	10	\$ 128.75	\$ 1,287.50			\$ -
87	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 2' x 3' BOX	EACH	9	\$ 1,854.00	\$ 16,686.00		9	\$ 16,686.00
88	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 48-INCH CB/MH	EACH	7	\$ 5,974.00	\$ 41,818.00		7	\$ 41,818.00
89	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 72-INCH CB/MH	EACH	1	\$ 8,755.00	\$ 8,755.00		1	\$ 8,755.00
90	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 24-INCH NYLOPLAST	EACH	1	\$ 2,940.65	\$ 2,940.65		1	\$ 2,940.65
91	2506.502	ADJUST EXISTING STORM SEWER CASTING (ALL TYPES)	EACH	48	\$ 150.00	\$ 7,200.00		54	\$ 8,100.00
92	2506.502	FURNISH & INSTALL R-1678-A FRAME & SOLID LID FOR STORM SEWER	EACH	2	\$ 862.00	\$ 1,724.00		2	\$ 1,724.00
93	2506.502	FURNISH & INSTALL R-3067-V FRAME & V GRATE FOR STORM SEWER	EACH	16	\$ 990.00	\$ 15,840.00		18	\$ 17,820.00
94	2506.502	FURNISH & INSTALL R-3250-1 FRAME & K GRATE FOR STORM SEWER	EACH	1	\$ 1,050.00	\$ 1,050.00		2	\$ 2,100.00
95	2506.502	FURNISH & INSTALL NYLOPLAST GRATE, CGS2499, 24-INCH	EACH	1	\$ 880.65	\$ 880.65		1	\$ 880.65
96	2506.602	REHABILITATE EXISTING STORM SEWER ADJUSTMENT RINGS W/FLEX SEAL UTILITY SEALANT, MAPLEWOOD STANDARD PLATE 350	EACH	5	\$ 500.00	\$ 2,500.00		8	\$ 4,000.00
97	2506.602	REHABILITATE EXISTING STORM SEWER INVERT(S)/DOGHOUSE(S)	EACH	1	\$ 669.50	\$ 669.50		2	\$ 1,339.00
98	2511.507	RANDOM RIPRAP CLASS III	C Y	6	\$ 123.60	\$ 741.60		7	\$ 865.20
STORM SEWER IMPROVEMENTS SUBTOTAL:						\$ 145,541.33			\$ 151,176.35

SANITARY SEWER IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
99	2104.502	SALVAGE SANITARY SEWER CASTING	EACH	28	\$ 103.00	\$ 2,884.00		33	\$ 3,399.00
100	2506.502	ADJUST EXISTING SANITARY SEWER CASTING (ALL TYPES)	EACH	11	\$ 1,004.25	\$ 11,046.75		16	\$ 16,068.00
101	2506.502	FURNISH & INSTALL R-1678-A FRAME & R-1422-0015 LID FOR SANITARY SEWER	EACH	27	\$ 1,004.25	\$ 27,114.75		27	\$ 27,114.75
102	2506.502	FURNISH & INSTALL R-1678-A FRAME (LOW PROFILE) & R-1422-0015 LID FOR SANITARY SEWER	EACH	1	\$ 1,081.50	\$ 1,081.50		3	\$ 3,244.50
SANITARY SEWER IMPROVEMENTS SUBTOTAL:						\$ 42,127.00			\$ 49,826.25

WATERMAIN IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
103	2104.502	REMOVE HYDRANT	EACH	3	\$ 1,854.00	\$ 5,562.00		3	\$ 5,562.00
104	2104.503	REMOVE WATER MAIN, ANY SIZE OR TYPE	L F	21	\$ 15.45	\$ 324.45		18	\$ 278.10
105	2504.602	ADJUST CURB BOX	EACH	1	\$ 154.50	\$ 154.50		1	\$ 154.50
106	2504.602	REPAIR VALVE BOX	EACH	9	\$ 669.50	\$ 6,025.50		12	\$ 8,034.00
107	2504.602	ADJUST VALVE BOX	EACH	12	\$ 396.55	\$ 4,758.60		9	\$ 3,568.95
108	2504.602	REPLACE VALVE BOX	EACH	1	\$ 1,545.00	\$ 1,545.00		3	\$ 4,635.00
109	2504.602	HYDRANT, MAPLEWOOD STANDARD	EACH	3	\$ 6,386.00	\$ 19,158.00		3	\$ 19,158.00
110	2504.602	WATER UTILITY HOLE	EACH	1	\$ 4,635.00	\$ 4,635.00		1	\$ 4,635.00
111	2504.603	6-INCH WATER MAIN DUCTILE IRON CL 53	L F	30	\$ 103.00	\$ 3,090.00		30	\$ 3,090.00
112	2504.608	DUCTILE AND GREY IRON FITTINGS	L B	45	\$ 11.33	\$ 509.85		45	\$ 509.85
113	2506.602	CASTING ASSEMBLY SPECIAL (SPRWS STANDARD PLATE D14)	EACH	1	\$ 130.81	\$ 130.81			\$ -
WATERMAIN IMPROVEMENTS SUBTOTAL:						\$ 45,893.71			\$ 49,625.40

BID ALTERNATE 1 (AWARDED)

GERVAIS RETAINING WALL

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
1A	2104.518	REMOVE EXISTING RETAINING WALL	S F	900	\$ 3.09	\$ 2,781.00			\$ -
2A	2413.618	ENGINEERED MODULAR BLOCK RETAINING WALL (BID ALT 1, GERVAIS AVENUE)	S F	900	\$ 40.69	\$ 36,621.00			\$ -
3A	2574.504	LOAM TOPSOIL BORROW, 4-INCH	S Y	150	\$ 4.12	\$ 618.00			\$ -
4A	2575.504	EROSION CONTROL BLANKET FUTERRA F4, BY RAMY TURF PRODUCTS OR APPROVED EQUAL	S Y	100	\$ 8.24	\$ 824.00			\$ -
5A	2575.508	TURF ESTABLISHMENT, RESIDENTIAL LAWNS, STREET SIDE BOULEVARD SALT TOLERANT SEED BY RAMY TURF, 300 LB/ACRE	L B	10	\$ 51.50	\$ 515.00			\$ -
BID ALTERNATE 1 SUBTOTAL:						\$ 41,359.00			\$ -

Base Bid Total: **\$ 2,347,738.43** **\$ 2,370,845.49**

Contract Total: **\$ 2,389,097.43** Total: **\$ 2,370,845.49**

**RESOLUTION
REDUCTION OF RETAINAGE ON EXISTING CONSTRUCTION CONTRACT
WOODLYNN-SOUTHLAWN AREA STREET IMPROVEMENTS, CITY PROJECT 22-17**

WHEREAS, the City Council of Maplewood, Minnesota has heretofore ordered Improvement Project 22-17, Woodlynn-Southlawn Area Street Improvements, and has let a construction contract pursuant to Minnesota Statutes, Chapter 429, and

WHEREAS, the contractor, T.A. Schifsky & Sons Inc., has completed the majority of the project construction contract work, with only minor items remaining.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF MAPLEWOOD, MINNESOTA, that:

1. A reduction in retainage on the construction contract is hereby authorized to be reduced, at the discretion of the City Engineer, from 5.0% to 2.0%

Adopted by the Maplewood City Council on this 22nd day of January 2024.

CITY COUNCIL STAFF REPORT
Meeting Date January 22, 2024

REPORT TO: Melinda, Coleman

REPORT FROM: Steven Love, Public Works Director / City Engineer
Jon Jarosch, Assistant City Engineer

PRESENTER: Steven Love

AGENDA ITEM: Resolution for Reduction of Retainage on Existing Construction Contract, Myrtle-Sterling Area Street Improvements, City Project 22-16

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

Bituminous Roadways, Inc. has requested the City to reduce the amount of retainage held on the Myrtle-Sterling Area Street Improvements construction contract from 5.0% to 2.5% due to the majority of the contract work being completed. Reductions in retainage require City Council approval. The City Council will consider approving the attached resolution for reduction of retainage on the existing construction contract.

Recommended Action:

Motion to approve the attached resolution for reduction of retainage on existing construction contract for the Myrtle-Sterling Area Street Improvements, City Project 22-16.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$3,343,490.96

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: This proposed reduction of retainage will reduce held retainage from \$157,390.84 to \$78,695.42. No adjustments to the approved budget are necessary at this time.

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

This infrastructure improvement project was previously identified in the City's Capital Improvement Plan and included the reconstruction of the Myrtle-Sterling Area streets.

Background:

On May 8 of 2023, the City Council awarded a construction contract to Bituminous Roadways, Inc. for the Myrtle-Sterling Area Street Improvements, City Project 22-16, in the amount of \$3,343,490.96.

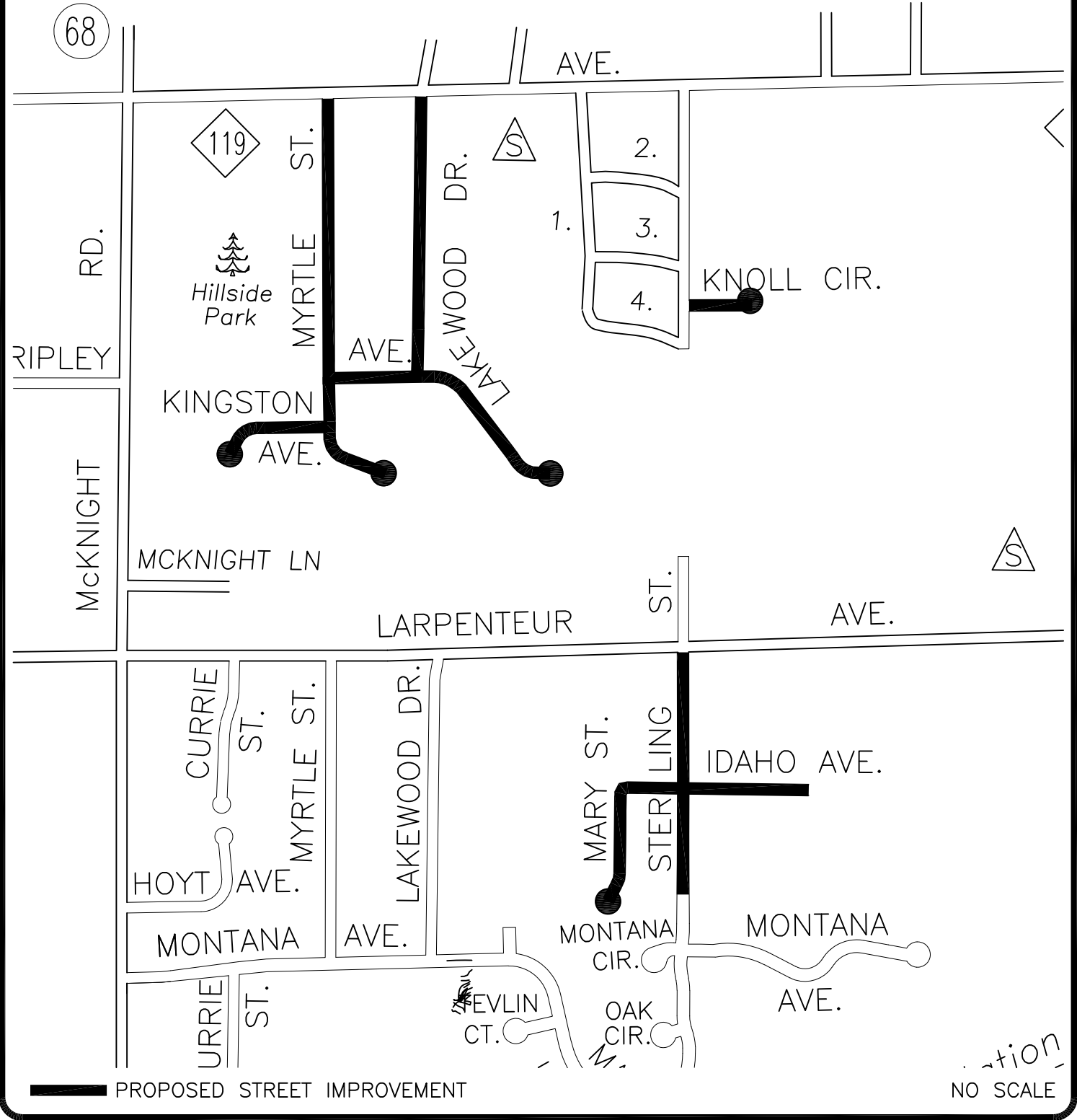
The project included the full depth reclamation of the project streets, the installation of the concrete curb and gutter on those streets that did not previously have it, the addition of a sidewalk on Lakewood Drive, repairs to the sanitary sewer system, the expansion or the storm sewer system improvements, watermain replacement on select streets, and the installation of new pavement on all streets.

Bituminous Roadways, Inc. has completed the vast majority of the construction contract work, with only minor items left to complete in the spring of 2024. A reduction in contract retainage from \$157,390.84 to \$78,695.42 is justified at this time based upon the amount of completed work.

Attachments:

1. 22-16 Project Location Map
2. 22-16 Payment Application #6
3. Resolution for Reduction of Retainage on Existing Construction Contract

NORTH ST. PAUL



Myrtle-Sterling Area Street Improvements Project Location Map City Project 22-16



APPLICATION FOR PAYMENT PAYMENT NUMBER 6

Contract: City Project 22-16
Project: Myrtle-Sterling Area Street Improvements
Owner: City of Maplewood, Minnesota
Contractor: Bituminous Roadways

Application Date: 1/11/2024
For Period Ending: 1/11/2024

Original Contract Amount:	\$	3,343,490.96
Contract Amendments:	\$	-
Contract Amount to Date:	\$	3,343,490.96
Total Amount of Work Completed to Date:	\$	3,147,816.84
Material Stored On-Site but not in Work:	\$	-
Gross Amount Due to Date:	\$	3,147,816.84
Less 2.5% Retainage	\$	78,695.42
Amount Due to Date:	\$	3,069,121.42
Less Previous Payments:	\$	2,981,611.84
Total Due This Application:	\$	87,509.58

I hereby certify that all items and amounts shown are correct for the work completed to date.

Contractor: Bituminous Roadways

By: _____ Date: _____

The work on this project and application for payment have been reviewed and the amount shown is recommended for payment.

Engineer: City of Maplewood - Public Works Department

By: _____ Date: _____

Approved for Payment

Owner: City of Maplewood

By: _____ Date: _____

PAYMENT HISTORY

Contract: City Project 22-16
Project Name: Myrtle-Sterling Area Street Improvements
Owner: City of Maplewood, Minnesota
Contractor: Bituminous Roadways

Payment Number	Payment Cutoff Date	Payment Application	Amount
1	7/14/2023	7/18/2023	\$ 128,104.96
2	8/11/2023	8/16/2023	\$ 489,261.92
3	9/1/2023	9/11/2023	\$ 514,439.99
4	10/13/2023	10/25/2023	\$ 986,911.47
5	12/1/2023	12/1/2023	\$ 862,893.50

To Date Total Payment: \$ 2,981,611.84

Payment Application Number 6

Contract: City of Maplewood Project 22-16

Project Name: Myrtle-Sterling Area Street Improvements

BASE BID

STREET IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
1	2021.501	MOBILIZATION	LS	1	\$80,000.00	\$80,000.00		1.00	\$80,000.00
2	2101.502	CLEARING AND GRUBBING, SINGLE TREE	EACH	48	\$600.00	\$28,800.00		43.67	\$26,202.00
3	2104.502	SALVAGE SIGN	EACH	8	\$42.00	\$336.00		8.00	\$336.00
4	2104.502	SALVAGE MAILBOX ASSEMBLY, ALL TYPES	EACH	63	\$105.00	\$6,615.00		63.00	\$6,615.00
5	2104.503	REMOVE CONCRETE CURB & GUTTER, ALL TYPES	LF	1893	\$8.00	\$15,144.00		1893.00	\$15,144.00
6	2104.503	SAW BITUMINOUS ROADWAY PAVEMENT, FULL DEPTH	LF	343	\$5.00	\$1,715.00		372.00	\$1,860.00
7	2104.504	REMOVE BITUMINOUS DRIVEWAY/APRON/TRAIL	SY	1625	\$4.40	\$7,150.00		1638.01	\$7,207.24
8	2104.504	REMOVE BITUMINOUS ROADWAY PAVEMENT, INCLUDES BITUMINOUS CURB (P)	SY	15368	\$2.00	\$30,736.00		15368.00	\$30,736.00
9	2104.504	REMOVE CONCRETE DRIVEWAY/APRON/WALK	SY	1059	\$8.75	\$9,266.25		1314.20	\$11,499.25
10	2104.604	SALVAGE LANDSCAPE/DRIVEWAY PAVERS	SY	27	\$15.00	\$405.00		27.00	\$405.00
11	2104.604	SALVAGE LANDSCAPE ROCK	SY	5	\$50.00	\$250.00		5.00	\$250.00
12	2104.502	SALVAGE BOULDER	EACH	1	\$100.00	\$100.00		1.00	\$100.00
13	2106.507	COMMON EXCAVATION (EV) (P)	CY	4271	\$25.00	\$106,775.00		4271.00	\$106,775.00
14	2106.507	SUBGRADE EXCAVATION (EV) (P)	CY	10524	\$19.00	\$199,956.00		10524.00	\$199,956.00
15	2106.507	ADDITIONAL SUBGRADE EXCAVATION (EV)	CY	1052	\$21.13	\$22,228.76		332.00	\$7,015.16
16	2106.507	UNCLASSIFIED EXCAVATION FOR INFILTRATION SYSTEM (EV) (P)	CY	771	\$18.00	\$13,878.00		771.00	\$13,878.00
17	2106.507	GRANULAR EMBANKMENT MATERIAL (CV)	CY	1052	\$13.00	\$13,676.00		332.00	\$4,316.00
18	2106.507	SELECT GRANULAR EMBANKMENT MATERIAL (CV)	CY	10524	\$8.00	\$84,192.00		10524.00	\$84,192.00
19	2106.607	SALVAGE, STOCKPILE AND INSTALL RECLAIM MATERIAL (CV)	CY	283	\$0.01	\$2.83		283.00	\$2.83
20	2106.509	TEMPORARY STABILIZING AGGREGATE, 1.5-INCH MINUS	TON	128	\$36.00	\$4,608.00		118.00	\$4,248.00
21	2108.504	WOVEN GEOTEXTILE FABRIC TYPE 5, STREET SUBCUT	SY	18159.2	\$1.50	\$27,238.83		18175.00	\$27,262.50
22	2123.61	STREET SWEEPER, WITH PICKUP BROOM	HOURL	68	\$190.00	\$12,920.00	9.00	159.50	\$30,305.00
23	2130.523	WATER FOR DUST CONTROL	MGAL	217	\$50.00	\$10,850.00		223.50	\$11,175.00
24	2211.504	AGGREGATE BASE CLASS 6 FOR RESIDENTIAL CONCRETE DRIVEWAYS, 4-INCH	SY	1271	\$4.10	\$5,211.10		863.00	\$3,538.30
25	2211.504	AGGREGATE BASE CLASS 6 FOR COMMERCIAL CONCRETE DRIVEWAYS, 6-INCH	SY	139	\$7.75	\$1,077.25		120.00	\$930.00
26	2211.504	AGGREGATE BASE CLASS 6 FOR RESIDENTIAL BITUMINOUS DRIVEWAYS, 6-INCH	SY	1610	\$4.50	\$7,245.00		1314.00	\$5,913.00
27	2211.504	AGGREGATE SURFACING CLASS 5 (100% CRUSHED LIMESTONE) FOR GRAVEL DRIVEWAYS, 4-INCH	SY	20	\$5.00	\$100.00		20.00	\$100.00
28	2211.509	AGGREGATE BASE CLASS 6 FOR STREETS, 8-INCH	TON	7625	\$12.00	\$91,500.00		7675.00	\$92,100.00
29	2215.504	FULL DEPTH RECLAMATION, 8-INCH DEPTH	SY	13253	\$2.50	\$33,132.50		13253.00	\$33,132.50
30	2232.503	EDGE MILL BITUMINOUS PAVEMENT	LF	343	\$2.00	\$686.00		343.00	\$686.00
31	2331.603	JOINT ADHESIVE	LF	16558	\$0.66	\$10,928.28		16550.00	\$10,923.00
32	2331.603	BITUMINOUS ROAD PAVEMENT CONTROL JOINT SAW & SEAL	LF	6504	\$4.40	\$28,617.60		5645.00	\$24,838.00
33	2355.506	BITUMINOUS FOG SEAL, TYPE CSS-1H, 0.08 GAL/SY	GAL	5962	\$8.00	\$47,696.00		6704.00	\$53,632.00
34	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	1291.5	\$0.01	\$12.92		1260.00	\$12.60
35	2360.504	TYPE SPWEA330L BITUMINOUS MIXTURE, 1 - 3-INCH LIFT, RESIDENTIAL DRIVEWAY	SY	1689	\$27.00	\$45,603.00		1314.00	\$35,478.00
36	2360.504	TYPE SPWEA230B BITUMINOUS MIXTURE, 1 - 3-INCH LIFT, TRAIL	SY	408	\$29.00	\$11,832.00		596.00	\$17,284.00
37	2360.509	TYPE SPWEA330C BITUMINOUS MIXTURE, WEARING COURSE LIFT	TON	2516	\$104.00	\$261,664.00		2620.24	\$272,504.96
38	2360.509	TYPE SPWEB330C BITUMINOUS MIXTURE, BASE COURSE LIFT	TON	3190	\$90.00	\$287,100.00		3035.15	\$273,163.50
39	2521.618	4-INCH CONCRETE SIDEWALK, HE STRENGTH	SF	6302	\$7.00	\$44,114.00		6616.00	\$46,312.00
40	2531.503	CONCRETE CURB & GUTTER DESIGN B618, D412, TRANSITIONS, KNOCKDOWNS, HE STRENGTH	LF	10263	\$24.00	\$246,312.00		10265.00	\$246,360.00
41	2531.504	6-INCH CONCRETE DRIVEWAY PAVEMENT, RESIDENTIAL, HE STRENGTH	SY	1266	\$85.00	\$107,610.00		1128.00	\$95,880.00
42	2531.504	8-INCH CONCRETE DRIVEWAY PAVEMENT, COMMERCIAL, HE STRENGTH	SY	130	\$115.00	\$14,950.00		125.00	\$14,375.00
43	2531.618	6-INCH CONCRETE PEDESTRIAN CURB RAMP, HE STRENGTH	SF	451	\$16.00	\$7,216.00		570.00	\$9,120.00
44	2531.618	TRUNCATED DOMES	SF	175	\$73.00	\$12,775.00		63.00	\$4,599.00
45	2540.602	INSTALL SALVAGED MAILBOX ASSEMBLY, ALL TYPES	EACH	63	\$155.00	\$9,765.00		63.00	\$9,765.00
46	2540.602	FURNISH & INSTALL MAILBOX ASSEMBLY, ALL TYPES	EACH	8	\$183.00	\$1,464.00		8.00	\$1,464.00
47	2540.602	INSTALL SALVAGED STREET SIGN	EACH	8	\$340.00	\$2,720.00		8.00	\$2,720.00
48	2540.602	INSTALL SALVAGED BOULDER	EACH	1	\$100.00	\$100.00		1.00	\$100.00
49	2540.604	INSTALL LANDSCAPE ROCK 3" THICK W/WEED BARRIER	SY	5	\$50.00	\$250.00		5.00	\$250.00
50	2540.604	INSTALL SALVAGED LANDSCAPE/DRIVEWAY PAVERS	SY	27	\$10.00	\$270.00			
51	2563.601	TRAFFIC CONTROL - NEIGHBORHOOD	LS	1	\$50,000.00	\$50,000.00		1.00	\$50,000.00

52	2563.601	TRAFFIC CONTROL - OFFSITE BITUMINOUS FOG SEAL	LS	1	\$50,000.00	\$50,000.00		1.00	\$50,000.00
53	2563.618	TEMPORARY CONSTRUCTION SIGN-SPECIAL	S F	150	\$22.00	\$3,300.00		50.00	\$1,100.00
54	2571.602	INSTALL DECIDUOUS TREE, #20 CONTAINER	EACH	49	\$450.00	\$22,050.00			
55	2571.502	PERENNIAL PLUGS, MINIMUM 3-INCH DEPTH POT SIZE	EACH	2680	\$21.00	\$56,280.00		2680.00	\$56,280.00
56	2571.607	BEDDING MATERIAL FOR INFILTRATION AREA	C Y	150	\$45.00	\$6,750.00		226.00	\$10,170.00
57	2573.501	EROSION CONTROL, CONTRACTOR'S PLAN	LS	1	\$5,000.00	\$5,000.00		1.00	\$5,000.00
58	2573.502	STORM DRAIN INLET PROTECTION, ALL TYPES	EACH	67	\$150.00	\$10,050.00		67.00	\$10,050.00
59	2573.502	FURNISH AND MAINTAIN STABILIZED CONSTRUCTION EXIT PAD, MAPLEWOOD STANDARD PLATE 750 OR APPROVED EQUAL	EACH	4	\$500.00	\$2,000.00		4.00	\$2,000.00
60	2573.503	SEDIMENT CONTROL LOG, TYPE COMPOST	LF	2916	\$2.40	\$6,998.40		2280.00	\$5,472.00
61	2573.603	SILT FENCE, HEAVY DUTY, MACHINE SLICED	LF	771	\$3.00	\$2,313.00		250.00	\$750.00
62	2574.504	LOAM TOPSOIL BORROW, 4-INCH	S Y	13555	\$0.50	\$6,777.50		13500.00	\$6,750.00
63	2574.508	COMMERCIAL FERTILIZER TYPE 1, 10-10-10 FOR SODDED & SEEDED AREAS (300 LBS/ACRE)	LB	856	\$1.00	\$856.00		905.00	\$905.00
64	2575.504	SODDING TYPE MINERAL	S Y	10858	\$9.70	\$105,322.60		10143.00	\$98,387.10
65	2575.504	EROSION CONTROL BLANKET FUTERRA F4, BY RAMY TURF PRODUCTS OR APPROVED EQUAL	S Y	2979	\$4.00	\$11,916.00		3229.00	\$12,916.00
66	2575.504	TURF REINFORCEMENT MAT FOR INFILTRATION AREA, ENKAMAT 7010 OR APPROVED EQUAL	SY	166	\$13.00	\$2,158.00		30.00	\$390.00
67	2575.508	TURF ESTABLISHMENT, STORMWATER FACILITIES, SEED MIXTURE 33-261, 100 LB/AC	LB	5	\$144.00	\$720.00		5.00	\$720.00
68	2575.508	TURF ESTABLISHMENT, WOODED AREAS, SEED MIXTURE 36-211, 100 LB/AC	LB	19	\$40.00	\$760.00		19.00	\$760.00
69	2575.508	TURF ESTABLISHMENT, RESIDENTIAL TURF, STREET SIDE BOULEVARD SALT TOLERANT SEED BY RAMY TURF, 300 LB/AC	LB	154	\$28.00	\$4,312.00		150.00	\$4,200.00
70	2575.508	TURF ESTABLISHMENT, INFILTRATION WET AREAS, MN BWSR WET MEADOW SEDGE RUSH SOUTH & WEST 34-272A, 10 LB/AC	LB	1	\$520.00	\$520.00		1.00	\$520.00
71	2575.508	TURF ESTABLISHMENT, INFILTRATION DRY AREAS, MNDOT DRY PRAIRIE SE (MnDOT 35-621), 33 LB/AC	LB	3	\$200.00	\$600.00		3.00	\$600.00
72	2575.523	WATER FOR TURF ESTABLISHMENT, ADDITIONAL	MGAL	157	\$75.00	\$11,775.00		5.00	\$375.00
73	2582.518	CROSSWALK WHITE, EPOXY MULTI-COMPONENT	S F	180	\$12.00	\$2,160.00		180.00	\$2,160.00
74	2582.503	4-INCH DOUBLE LINE YELLOW, EPOXY MULTI-COMPONENT	LF	4263	\$1.15	\$4,902.45		3787.00	\$4,355.05
75	2582.503	4-INCH SOLID LINE WHITE, EPOXY MULTI-COMPONENT	LF	7637	\$0.57	\$4,353.09		7722.00	\$4,401.54
76	2582.503	4-INCH BROKEN LINE WHITE, EPOXY MULTI-COMPONENT	LF	80	\$0.57	\$45.60			
77	2582.503	24-INCH SOLID LINE YELLOW, EPOXY MULTI-COMPONENT	LF	52	\$19.00	\$988.00			
STREET IMPROVEMENTS SUBTOTAL:						\$2,329,701.96			\$2,252,922.53

STORM SEWER IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
78	2104.502	REMOVE & DISPOSE OF DRAINAGE STRUCTURE, ANY SIZE OR TYPE	EACH	10	\$500.00	\$5,000.00		9.00	\$4,500.00
79	2104.502	SALVAGE STORM SEWER CASTING	EACH	11	\$200.00	\$2,200.00		11.00	\$2,200.00
80	2104.503	REMOVE & DISPOSE OF STORM SEWER PIPE, ANY SIZE OR TYPE	LF	326	\$11.00	\$3,586.00		301.00	\$3,311.00
81	2108.504	NON-WOVEN GEOTEXTILE FABRIC TYPE 4, FLARED END SECTIONS	S Y	110	\$7.00	\$770.00		110.00	\$770.00
82	2451.603	PIPE BEDDING MATERIAL FOR STORM SEWER, MAPLEWOOD STANDARD PLATES 340 & 341	LF	2577	\$8.00	\$20,616.00		100.00	\$800.00
83	2451.603	ROCK FOUNDATION MATERIAL FOR STORM SEWER, MAPLEWOOD STANDARD PLATE 340 & 341	LF	150	\$11.00	\$1,650.00			
84	2501.502	24-INCH RC PIPE APRON, NO TRASH GUARD	EACH	1	\$2,200.00	\$2,200.00		1.00	\$2,200.00
85	2501.502	30-INCH HDPE PIPE APRON, NO TRASH GUARD	EACH	1	\$835.00	\$835.00		1.00	\$835.00
86	2501.502	36-INCH HDPE PIPE APRON, NO TRASH GUARD	EACH	1	\$1,150.00	\$1,150.00		5.43	\$6,244.50
87	2502.502	6-INCH SCH 40 PVC PIPE DRAIN CLEANOUT w/METAL CAP, INFILTRATION SYSTEM	EACH	6	\$2,600.00	\$15,600.00		6.00	\$15,600.00
88	2502.502	6-INCH VALTERRA VALVE, INFILTRATION SYSTEM	EACH	1	\$8,500.00	\$8,500.00		1.00	\$8,500.00
89	2502.503	4-INCH CORRUGATED PERFORATED DRAIN TUBING WITH TYPE 1 SOCK, STREET SUBCUT AREAS	LF	1130	\$28.00	\$31,640.00		1128.00	\$31,584.00
90	2502.503	6-INCH SCH 40 PVC W/TYP1 SOCK, 1/4-INCH PERFORATIONS, INCLUDES FINE-FILTER AGGREGATE, INFILTRATION AREA	LF	480	\$30.00	\$14,400.00		480.00	\$14,400.00
91	2503.502	CONNECT TO EXISTING STORM SEWER PIPE	EACH	4	\$1,300.00	\$5,200.00		4.00	\$5,200.00
92	2503.503	12-INCH RC PIPE SEWER CLASS IV	LF	29	\$73.00	\$2,117.00		31.00	\$2,263.00
93	2503.503	15-INCH RC PIPE SEWER CLASS IV	LF	76	\$85.00	\$6,460.00		41.00	\$3,485.00
94	2503.503	18-INCH RC PIPE SEWER CLASS IV	LF	24	\$85.00	\$2,040.00		25.00	\$2,125.00
95	2503.503	24-INCH RC PIPE SEWER CLASS IV	LF	26	\$105.00	\$2,730.00		27.00	\$2,835.00
96	2503.503	12-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	740	\$55.00	\$40,700.00		760.00	\$41,800.00
97	2503.503	15-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	898	\$55.00	\$49,390.00		448.00	\$24,640.00
98	2503.503	18-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	616	\$60.00	\$36,960.00		858.84	\$51,530.40
99	2503.503	30-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	89	\$62.00	\$5,518.00		45.00	\$2,790.00
100	2503.503	36-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	79	\$73.00	\$5,767.00		232.00	\$16,936.00
101	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 2' x 3' BOX	EACH	15	\$1,900.00	\$28,500.00		15.00	\$28,500.00
102	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 48-INCH CB/MH	EACH	16	\$6,100.00	\$97,600.00		16.00	\$97,600.00
103	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 60-INCH CB/MH	EACH	2	\$7,100.00	\$14,200.00		2.00	\$14,200.00
104	2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 72-INCH CB/MH	EACH	2	\$8,900.00	\$17,800.00		2.00	\$17,800.00
105	2506.502	ADJUST EXISTING STORM SEWER CASTING, ALL TYPES	EACH	19	\$600.00	\$11,400.00		20.00	\$12,000.00
106	2506.502	FURNISH & INSTALL R-1678-A FRAME & SOLID LID FOR STORM SEWER	EACH	3	\$6,900.00	\$20,700.00		3.00	\$20,700.00
107	2506.502	FURNISH & INSTALL R-3067-V FRAME & V GRATE FOR STORM SEWER	EACH	30	\$84.00	\$25,200.00		20.00	\$16,800.00

108	2506.502	FURNISH & INSTALL R-3290-A FRAME & C GRATE FOR STORM SEWER	EACH	1	\$1,000.00	\$1,000.00		1.00	\$1,000.00
109	2506.502	FURNISH & INSTALL 72-INCH GALVANIZED GRATE FOR STORM SEWER, INFILTRATION SYSTEM INLET	EACH	1	\$1,500.00	\$1,500.00		1.00	\$1,500.00
110	2506.602	REHABILITATE EXISTING STORM SEWER INVERT(S)/DOGHOUSE(S)	EACH	5	\$370.00	\$1,850.00		5.00	\$1,850.00
111	2506.602	INSTALL SAFL BAFFLE FOR STORM SEWER	EACH	5	\$7,300.00	\$36,500.00		5.00	\$36,500.00
112	2511.507	RANDOM RIPRAP CLASS III	C Y	69	\$115.00	\$7,935.00		53.00	\$6,095.00
STORM SEWER IMPROVEMENTS SUBTOTAL:						\$529,214.00			\$499,093.90

SANITARY SEWER IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
113	2104.502	SALVAGE SANITARY SEWER CASTING	EACH	28	\$200.00	\$5,600.00		28.00	\$5,600.00
114	2451.603	PIPE BEDDING MATERIAL FOR SANITARY SEWER, MAPLEWOOD STANDARD PLATE 440	L F	843	\$8.00	\$6,744.00		161.00	\$1,288.00
115	2503.502	CONNECT TO EXISTING SANITARY SEWER STRUCTURE	EACH	2	\$1,250.00	\$2,500.00		2.00	\$2,500.00
116	2503.502	CONNECT TO EXISTING SANITARY SEWER PIPE	EACH	10	\$2,000.00	\$20,000.00		10.00	\$20,000.00
117	2503.502	8-INCH X 6-INCH SDR 35 PVC WYE	EACH	6	\$580.00	\$3,480.00		6.00	\$3,480.00
118	2503.503	8-INCH SDR-35 SANITARY SEWER MAIN PIPE	L F	243	\$58.00	\$14,094.00		274.62	\$15,928.02
119	2503.503	4-INCH OR 6-INCH SCHEDULE 40 SANITARY SEWER SERVICE REPLACEMENT PER MAPLEWOOD PLATES 410, 410A, 410B	L F	600	\$34.00	\$20,400.00	222.59	414.59	\$14,096.06
120	2506.502	ADJUST EXISTING SANITARY SEWER CASTING, ALL TYPES	EACH	4	\$2,700.00	\$10,800.00		4.00	\$10,800.00
121	2506.502	FURNISH & INSTALL R-1678-A FRAME & R-1422-0015 LID FOR SANITARY SEWER	EACH	26	\$800.00	\$20,800.00		26.00	\$20,800.00
122	2506.502	FURNISH & INSTALL R-1678-A FRAME (LOW PROFILE) & R-1422-0015 LID FOR SANITARY SEWER	EACH	2	\$1,200.00	\$2,400.00		2.00	\$2,400.00
123	2506.503	RECONSTRUCT SANITARY SEWER MANHOLE	L F	1.5	\$1,150.00	\$1,725.00		1.50	\$1,725.00
SANITARY SEWER IMPROVEMENTS SUBTOTAL:						\$108,543.00			\$98,617.08

WATERMAIN IMPROVEMENTS

Item No.	Specification No.	Item Description	Unit	Contract Quantity	Unit Price	Contract Extended	Quantity This Period	Quantity to Date	To Date Extended
124	2104.502	REMOVE HYDRANT	EACH	3	\$2,000.00	\$6,000.00		3.00	\$6,000.00
125	2104.503	REMOVE WATER MAIN, ANY SIZE OR TYPE	L F	2050	\$6.00	\$12,300.00		1949.35	\$11,696.10
126	2451.609	GRANULAR BACKFILL, FOR WATER MAIN	TON	4250	\$16.00	\$68,000.00		1475.00	\$23,600.00
127	2504.602	CURB BOX	EACH	2	\$460.00	\$920.00		1.00	\$460.00
128	2504.602	ADJUST CURB BOX	EACH	33	\$150.00	\$4,950.00		1.00	\$150.00
129	2504.602	REPAIR VALVE BOX	EACH	6	\$700.00	\$4,200.00			
130	2504.602	ADJUST VALVE BOX	EACH	14	\$300.00	\$4,200.00			
131	2504.602	REPLACE VALVE BOX	EACH	2	\$800.00	\$1,600.00			
132	2504.602	VALVE BOX	EACH	2	\$800.00	\$1,600.00			
133	2504.602	HYDRANT, MAPLEWOOD STANDARD	EACH	3	\$7,500.00	\$22,500.00		3.00	\$22,500.00
134	2504.602	WATER UTILITY HOLE	EACH	2	\$3,700.00	\$7,400.00		1.00	\$3,700.00
135	2504.602	EXCAVATION FOR WATER MAIN OFFSET	EACH	2	\$4,700.00	\$9,400.00			
136	2504.602	1.0-INCH CURB STOP VALVE AND BOX	EACH	2	\$365.00	\$730.00		14.00	\$5,110.00
137	2504.602	1.0-INCH CORPERATION STOP	EACH	32	\$261.00	\$8,352.00		31.00	\$8,091.00
138	2504.602	6-INCH GATE VALVE AND BOX	EACH	8	\$3,600.00	\$28,800.00		9.00	\$32,400.00
139	2504.603	1.0-INCH TYPE K COPPER	L F	10	\$58.00	\$580.00		15.50	\$899.00
140	2504.603	6-INCH WATER MAIN DUCTILE IRON CL 53 - OPEN TRENCH	L F	2050	\$74.00	\$151,700.00		1949.35	\$144,251.90
141	2504.604	2-INCH INSULATION	S Y	100	\$3.00	\$300.00		17.11	\$51.33
142	2504.608	DUCTILE AND GREY IRON FITTINGS	L B	550	\$74.00	\$40,700.00		501.00	\$37,074.00
143	2506.602	CASTING ASSEMBLY SPECIAL, SPRWS STANDARD PLATE D14	EACH	6	\$300.00	\$1,800.00		4.00	\$1,200.00
WATERMAIN IMPROVEMENTS SUBTOTAL:						\$376,032.00			\$297,183.33

Contract Total: **\$3,343,490.96**

To Date Total: **\$3,147,816.84**

**RESOLUTION
REDUCTION OF RETAINAGE ON EXISTING CONSTRUCTION CONTRACT
MYRTLE-STERLING AREA STREET IMPROVEMENTS, CITY PROJECT 22-16**

WHEREAS, the City Council of Maplewood, Minnesota has heretofore ordered Improvement Project 22-16, Myrtle-Sterling Area Street Improvements, and has let a construction contract pursuant to Minnesota Statutes, Chapter 429, and

WHEREAS, the contractor, Bituminous Roadways, Inc., has completed the majority of the project construction contract work, with only minor items remaining.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF MAPLEWOOD, MINNESOTA, that:

1. A reduction in retainage on the construction contract is hereby authorized to be reduced, at the discretion of the City Engineer, from 5.0% to 2.5%

Adopted by the Maplewood City Council on this 22nd day of January 2024.

CITY COUNCIL STAFF REPORT

Meeting Date January 22, 2024

REPORT TO: Melinda Coleman, City Manager

REPORT FROM: Shann Finwall, AICP, Environmental Planner
Audra Robbins, Parks and Natural Resources Manager
Steve Love, Public Works Director

PRESENTER: Steve Love, Public Works Director

AGENDA ITEM: 2024 Ramsey County SCORE Agreement

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

Ramsey County offers Select Committee on Recycling and the Environment (SCORE) grants to cities to enhance or improve their recycling efforts. The County awards the grant funding on a per capita basis to help cities with their recycling programs. Maplewood has historically used SCORE funding to offset the cost of collecting residential recyclables through the City's recycling contract. SCORE funds can also be used for administration, promotion activities, equipment, and/or food scraps collection.

Recommended Action:

Motion to approve the attached 2024 SCORE Grant Agreement, with Ramsey County and direct the Mayor and City Manager to sign the agreement. Minor revisions as approved by the City Attorney are authorized as needed.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$100,449 SCORE grant funding with an additional \$19,133 if the City achieves recycling incentives.

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: The 2024 recycling program budget will be subsidized by the Ramsey County SCORE grant for amounts of \$100,449 to \$119,582 (depending on incentives) to help fund the collection of recyclables in the City.

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

The 2024 SCORE grant funds will be used to offset the cost of residential recycling collection by Tennis Sanitation. Maplewood's single and multi-family residential recycling system help the City better manage its solid waste.

Background:

November 27, 2023: The City Council authorized the submittal of the 2024 SCORE grant application.

December 21, 2023: Ramsey County awarded Maplewood's 2024 SCORE grant and finalized the Agreement.

Discussion**2024 Funding**

Attached find the final 2024 SCORE Agreement. The City was awarded \$100,449, plus \$19,133, which will be available if recycling incentives are achieved. Incentives outlined in the Agreement include:

1. Promote BizRecycling: Actively work with and promote BizRecycling to businesses and institutions in collaboration with Ramsey/Washington Recycling & Energy for organics recycling and food waste reduction programs.
2. Park Recycling Improvements: The City will focus on enhancing recycling practices within a park setting. This initiative could involve various strategies to promote responsible waste management and environmental stewardship.

2023 Funding

Last year the County awarded Maplewood a SCORE grant in the amount of \$103,119, and funding for incentives equaling \$19,642. Incentives complete in 2023 included:

1. Promote BizRecycling: Actively work with and promote BizRecycling to businesses and institutions in collaboration with Ramsey/Washington Recycling & Energy for organics recycling and food waste reduction programs.

In 2023, Maplewood worked with the Maplewood Community Center/YMCA and BizRecycling waste experts to review the YMCA's solid waste program for improvements. The YMCA has applied for a BizRecycling grant to help fund improvements to their solid waste program, including recycling food scraps at events held in the banquet facilities.

2. Multi-Unit Recycling: Actively work with and promote free resources and grants to multi-unit building in collaboration with Ramsey/Washington Recycling and Energy to improve and/or start recycling at multi-unit dwellings.

In 2023, Maplewood worked with Tennis Sanitation and waste experts at BizRecycling to conduct several multi-unit recycling visits. Under the City's recycling contract, Tennis Sanitation will roll out recycling dumpsters, instead of recycling carts, for a multi-unit property's recycling program if there are 21 units or more. Multi-unit properties that contacted Tennis Sanitation to convert their recycling collection to recycling dumpsters in 2023 received technical assistance from BizRecycling and offered grant opportunities to improve their solid waste programs.

Attachments:

1. 2024 SCORE Grant Agreement

**AGREEMENT BETWEEN
RAMSEY COUNTY AND THE CITY OF MAPLEWOOD
FOR A SCORE FUNDING RECYCLING GRANT**

This Agreement is between Ramsey County (the "County") and the City of Maplewood (the "Municipality").

1. OBLIGATIONS

a. Collection

1. The Municipality shall ensure residential recycling service is available weekly or every other week to residents at their place of residence, including all multi-unit dwellings and manufactured home parks.
2. The Municipality shall provide recycling for at least the following materials at curbside and multi-unit dwelling properties:
 - a. Paper.
 - b. Cardboard.
 - c. Glass bottles.
 - d. Metal cans.
 - e. Cartons.
 - f. Plastic beverage and food containers.
 - g. Organics when present.
3. Ensure the collection of textiles for recycling is available to residents through curbside collection and to multi-unit dwellings through special collection or drop-off.
4. The Municipality shall add additional recyclable materials as reliable markets become available.
5. The Municipality shall maintain a long-term funding mechanism for its residential recycling programs.
6. The Municipality commits to the following one incentive resources,

RECYCLING

Bulky Waste Collection: Establish an efficient and effective program to provide collection of bulky waste items from single family homes at no cost or a discounted price and that also prioritizes recycling and/or reuse.

Engage Small Businesses. Include small businesses in curbside recycling services and actively engage those businesses to participate in the service.

✓**Promote BizRecycling.** Actively work with and promote BizRecycling to businesses and institutions in collaboration with Ramsey/Washington Recycling & Energy for organics recycling and food waste reduction programs.

Promote Multi-unit Recycling. Actively work with and promote free resources and grants to multi-unit building in collaboration with Ramsey/Washington Recycling & Energy to improve and/or start recycling at multi-unit dwellings.

Continuous Monitoring and Improvement: Establish a monitoring system to track recycling metrics regularly. Analyze data to identify areas for improvement and adjust strategies, accordingly, ensuring a dynamic and responsive recycling program.

Develop and implement a recycling and Environmental Justice: This initiative aims to enhance recycling practices while addressing environmental justice concerns within our community.

REUSE

Collaborate with the County for Mattress Collection and Bulky Waste: Partner with the County and the R&E Center to facilitate mattress collection. Embed reuse into cleanup events by implementing an efficient program for gathering bulky waste items from single-family homes at either no cost or a discounted price. Give priority to recycling and reuse to ensure the program's effectiveness and environmental consciousness.

REPAIR

Partner with the County to host Fix-it Clinics: Collaborate with the County to host Fix-it Clinics, creating a platform where residents can bring items in need of repair. This initiative aims to promote a culture of sustainability by encouraging repairs and extending the life of products, aligning with our commitment to environmental consciousness.

Collaborate with the County on Deconstruction Grants: Collaborate with the County on deconstruction grants to support sustainable practices in construction and demolition projects. This partnership aims to encourage environmentally responsible methods that prioritize the salvaging and recycling of materials, contributing to the overall goals of reducing waste and promoting resource efficiency.

ROT

Organics Drop-off Site: Co-sponsor an organics drop-off site with the county (specifically for suburban cities).

REDUCE

Educational Outreach Programs: Launch targeted educational campaigns to inform residents about proper recycling practices. Provide clear guidelines on sorting recyclables, emphasizing the importance of contamination-free recycling bins.

Recycling Contamination Reduction Plan: Develop and implement a contamination reduction plan, including educational materials, community workshops, and regular communication to address common misconceptions and errors in recycling.

Community Recycling Events: Organize regular community recycling events to facilitate the proper disposal of specific items, such as electronics, hazardous waste, or hard-to-recycle materials. Collaborate with local recycling facilities to maximize the effectiveness of these events.

ADDITIONAL INCENTIVES

✓ **Improvement Park Recycling:** The city will focus on enhancing recycling practices within a park setting. This initiative could involve various strategies to promote responsible waste management and environmental stewardship.

Guidelines for fulfilling the Municipality's obligations for this incentive are included in the Recycling Performance Work Plan as described below in 1(b).

b. Recycling Performance Work Plan

During 2024, the Municipality shall implement the strategies on the Recycling Performance Work Plan, specific to the Municipality, attached as Exhibit 1, to measure its progress towards achieving recycling goals. Work plans may be updated if agreed to by both parties in writing.

c. Reimbursement

1. Expenses eligible for reimbursement must be in accordance with the established eligible expenses. Funds not spent by the Municipality during the budget year will be retained by the County. Unspent funds may be used by the County for SCORE-eligible expenditures as determined by the County. If applicable, the Municipality shall use the SCORE funds as specified by the Joint Powers Agreement for Recycling Funding dated July 1, 2019.
2. The County shall reimburse the Municipality a maximum not to exceed sum of **\$100,449** in base funding with **\$19,133** in incentive funding. Subject to the provisions of section 1(c)(5) below, the Municipality shall receive two payments for base funds. A payment of 50% of the total base funding award will be made within 35 days of receipt of an invoice, and in no case prior to the first day of March. The second payment of 50% of the total base funding award will be made within 35 days of receipt of an invoice, and in no case before the first day of June. The Municipality may invoice for the entire incentive funding amount upon completion of the incentive project by submitting an invoice and appropriate documentation of expenses.
3. The Municipality shall not use grant funds for expenses, or a portion of expenses, which have been or will be reimbursed by other parties, or for expenses that do not meet the eligibility criteria outlined in the SCORE grant application.
4. The County's obligation under this Agreement is subject to the availability and provision of funding from the State of Minnesota. The County may immediately cancel this Agreement or reduce the reimbursement to the Municipality to the extent funds received from the State are reduced or eliminated. The County is acting as fiscal agent for the Municipality and in no event shall be obligated to reimburse the Municipality in an amount in excess of that actually received from the State.
5. The County may deny reimbursement to the Municipality, or seek recovery of payments disbursed to the Municipality, if the Municipality is unable to verify that recycling collection service is provided at each place of residence, including multi-unit dwellings and manufactured home parks. The amount that the County may deny or seek recovery of, is that portion of the grant amount equivalent to the proportion of households not provided recycling collection service.

d. Program and Performance Reports

1. The Municipality shall meet with county staff for a mid-year status update related to the SCORE incentives funds by July 5, 2024.
2. The Municipality shall submit a year-end report to the County through ReTRAC, the County's recycling and solid waste data management tool, by February 14, 2025. The report is to include information on recycling at all residential units, including multi-unit dwellings and manufactured home parks, even if the Municipality does not provide collection services to those units.
 - a. Starting in 2024, the municipality will need to submit a narrative report to support the incentive work completed within the year. The Municipality is responsible for providing complete and accurate information for all applicable screens in the ReTRAC database.

e. Financial Reports

1. The Municipality shall submit, if requested by the County in its sole discretion, an audited financial report that shows how funds received from the County pursuant to this Agreement were disbursed.
2. Financial reports shall be in a form to be determined by the County, in its sole discretion.
3. If the municipality has a Joint Powers Agreement for Recycling Funding, the Municipality shall submit a letter which certifies that SCORE funds have been used pursuant to the Joint Powers Agreement and this Agreement.

2. TERM

The term of this Agreement shall be from January 1, 2024, through December 31, 2024.

3. CANCELLATION

Either party may cancel this Agreement at any time upon thirty (30) days written notice to the other party. In the event of termination, the Municipality shall be entitled to reimbursement for those eligible expenses incurred up to the termination date, provided the expenses have been incurred according to the budget shown in Attachment A and the Municipality is not otherwise in default of any terms and conditions in this Agreement.

4. DEFAULT

Any of the following shall constitute default on the part of the Municipality:

- a. The failure of the Municipality to use funds in a manner consistent with this Agreement and Attachment A.
- b. The failure of the Municipality or its (sub)contractor(s) to use their best efforts to ensure the maximum collection and marketing of recyclable materials from all residential units.

- c. The failure of the Municipality to provide information satisfactory to the County as required in this Agreement, including information for the report required under Section 1(d).
- d. The failure of the Municipality to meet any terms and conditions of this Agreement.

5. GENERAL CONDITIONS

- a. All services and duties performed by the Municipality pursuant to this Agreement shall be performed to the satisfaction of the County and in accordance with all applicable federal, state, and local laws, ordinances, rules and regulations as a condition of payment. The Municipality agrees that it will comply with all federal, State and local statutes and ordinances relating to nondiscrimination.
- b. The Municipality is an independent contractor and shall not be the employee of the County for any purpose. The County shall not be responsible for the payment of any taxes, either federal or State, on behalf of the Municipality, nor shall the County be responsible for any fringe benefits. No Civil Service or other rights of employment will be acquired by virtue of the Municipality's services.
- c. The Municipality and County each agree to defend, hold harmless and indemnify the other party, its officials, agents, and employees from any liability, loss or damage it may suffer as a result of demands, claims, judgments or costs arising out of or caused by reason of the indemnifying party's performance of its respective obligations under the provisions of this Agreement. This provision shall not be construed nor operate as a waiver of any applicable limits of or exceptions to liability set by law.
- d. Under no circumstances, however, shall either party be required to pay on behalf of itself or the other party, any amounts in excess of the limits on liability established in Minnesota Statutes Chapter 466 applicable to any one party. The statutory limits of liability for some or all of the parties may not be added together or stacked to increase the maximum amount of liability for any party.
- e. All data collected, created, received, maintained or disseminated for any purpose in the course of this Agreement is governed by the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13, or any other applicable State statute, any State rules adopted to implement the Act and statutes, as well as federal statutes and regulations on data privacy.
- f. All books, records, documents and accounting procedures and practices of the Municipality and its (sub)contractor(s), if any, relative to this Agreement are subject to examination by the County and the State Auditor, as appropriate, in accordance with the provisions of Minnesota Statutes §16C.05, Subd. 5.
- g. The Municipality shall make all reasonable efforts to ensure that their employees, officials and subcontractors do not engage in violence while performing under this agreement. Violence, as defined by the Ramsey County Workplace Violence Prevention and Respectful Workplace Policy, is defined as words and actions that hurt or attempt to threaten or hurt people; it is any action involving the use of physical force, harassment, intimidation, disrespect or misuse of power and authority, where the impact is to cause pain, fear or injury.

- h. The Municipality will be required to pay any subcontractor within ten days of receipt of payment from the County for undisputed services provided by the subcontractor. The Municipality will be required to pay interest of 1½ percent per month or any part of a month to the subcontractor on any undisputed amount not paid on time to the subcontractor. The minimum monthly interest penalty payment for an unpaid balance of \$100.00 or more is \$10.00. SCORE funds may not be used towards interest penalty payments. For an unpaid balance of less than \$100.00, the Municipality shall pay the actual penalty due to the subcontractor. A subcontractor who prevails in a civil action to collect interest penalties from the Municipality must be awarded its costs and disbursements, including attorney's fees, incurred in bringing the action.
- i. All equipment purchased using funds provided in this Agreement shall remain the property of the Municipality.
- j. Any amendments to this Agreement shall be in writing and signed by both parties.

6. WASTE REDUCTION

The Municipality shall comply with Minnesota Statutes §115A.151 regarding recycling in local government facilities. The Municipality and its (sub)contractor(s) shall participate in a recycling program for at least four broad types of recyclable materials and shall favor the purchase of recycled products in its procurement processes. All reports, publications and documents produced as a result of this Agreement shall be printed on both sides of the paper, where commonly accepted publishing practices allow, on recycled and recyclable paper using soy-based inks, and shall be bound in a manner that does not use glue.

7. PUBLIC ENTITIES MANAGEMENT OF WASTE

The Municipality shall comply with Minnesota Statutes §115A.46 and §115A.471 when arranging for the management of mixed municipal solid waste and assure delivery of such waste to a waste processing facility for resource recovery.

8. Recycling Markets Support Fund

Ramsey County will reserve for the Municipality a portion of the Ramsey County Recycling Markets Support Fund (RMSF). This portion will be equal to the proportion of the county's population residing in the municipality, according to the most recent population estimates posted by the Metropolitan Council, multiplied by the total amount of the RMSF. To gain access to these funds, the Municipality must first apply to Ramsey County, in accordance with the guidelines in place at the time for distribution of the RMSF. The Municipality will be allowed to seek reimbursement for incurred expenses, in accordance with its application as approved by Ramsey County. Ramsey County shall reimburse the Municipality for adequately documented requests consistent with such an approved application and the RMSF guidelines. The Municipality must provide evidence, upon request, that no RMSF monies were used to transport materials to a landfill and/or landfill recyclable materials. Ramsey County reserves the right at any time to amend the total amount of the RMSF, to amend the guidelines for distribution of the RMSF or to eliminate the RMSF.

RAMSEY COUNTY

CITY OF MAPLEWOOD

Ryan O'Connor, County Manager

By _____
Title: City Manager Mayor

Date: _____

Date: _____

Approval Recommended:

Approved as to Form:

Sara Hollie, Public Health Director

By _____
Municipality Attorney

Approved as to form and insurance:

By _____
Clerk-Treasurer

Assistant County Attorney

Exhibit 1 (Attachment A)

Maplewood 2024 Recycling Performance Work Plan

Minimum Requirements

1. Complete all 2024 SCORE requirements, including reporting on time and submitting a mid-year status report.
2. Provide outreach to all residents about the municipality's recycling program and submit copies of materials to Ramsey County.
3. Use Ramsey County materials and information when and where appropriate to promote increased recycling, reuse and repair (e.g., Fix-it Clinics), medicine collection, household hazardous waste, organic waste and yard waste participation.
 - a. Send materials to Ramsey County for review prior to distribution.
 - b. Include county contact information on materials:
 - i. 24/7 Recycling & Disposal Hotline: 651-633-EASY (3279)
 - ii. RamseyRecycles.com
 - c. Provide links to the Ramsey County web pages on municipality website.
4. Use hauler data to identify those not recycling and target educational materials.
5. Ensure all multi-unit properties are meeting State law requirements to recycle and are receiving free Ramsey County resources.
6. Increase opportunities for recycling in public spaces.
 - a. All recycling bins must be paired with a trash bin and in good condition.
 - b. Labels must be readable.
 - c. Promote Ramsey County's event container lending program and green event planning tips.
7. Implement a "Green" purchasing procurement policy for city functions and facilities to use reusable, recyclable or compostable packaging.
8. Ensure the collection of textiles for recycling is available to residents through curbside collection and to multi-unit dwellings through special collection or drop-off.
9. Enforce recycling contracts, including the assessment of penalties for non-compliance.
 - a. Audit reporting by obtaining hauler weight tickets.
 - b. Have labels replaced if not readable.
10. Attend County Recycling Coordinator meetings and attend a yearly composition study.

Additional Incentive Activities Approved:

1. Promote BizRecycling. Actively work with and promote BizRecycling to businesses and institutions in collaboration with Ramsey/Washington Recycling & Energy for organics recycling and food waste reduction programs.
2. Improvement Park Recycling: The city will focus on enhancing recycling practices within a park setting. This initiative could involve various strategies to promote responsible waste management and environmental stewardship.

CITY COUNCIL STAFF REPORT
Meeting Date January 22, 2024

REPORT TO: Melinda Coleman

REPORT FROM: Steven Love, Director of Public Works/City Engineer
Scott Schultz, Utility/Fleet Superintendent

PRESENTER: Steven Love

AGENDA ITEM: Purchase of Equipment to Buildout One ¾ Ton Truck

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

In 2023 the City Council authorized the purchase of 5 truck chassis. To date, the City has received 2 of the 5 new truck Chassis. The City of Maplewood's 2024-2027 Capital Improvement Plan (CIP) identifies the buildout of replacement trucks. City Council approval is needed to move forward with this purchase for the buildout of Unit 500.

Recommended Action:

Motion to approve the purchase of equipment to buildout one Public Works 3/4 ton truck and direct the Mayor and City Manager to enter into a contract for the purchase under MN State Contract #224099 with Crysteel Truck Equipment for \$47,681.00, and EATI Technologies Inc for \$841.58 for the total purchase cost of \$48,522.58.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$48,522.58

 Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: The 2024 CIP identifies \$165,000.00 for the buildouts of 5 Public Works trucks. The truck chassis for one truck, Unit 500, has been received. The cost of the buildout is \$48,522.58. The Finance Director has reviewed the fleet fund balance and there are sufficient funds to move forward with this purchase.

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship

Integrated Communication Operational Effectiveness Targeted Redevelopment

The new replacement truck will increase work efficiencies and better serve the current and future needs of the Public Works department.

Background:

Unit 500, a 2001 fleet truck, is in need of replacement. This unit is used by the mechanics in the fleet division to perform service calls for the public works trucks, equipment, and public safety vehicles. The new truck will also be equipped with a plow to assist in winter snow maintenance as needed.

For past purchases of vehicles, the agenda reports included both the cost for ordering the chassis and the cost for the vehicle body/equipment buildout. Supply chain issues have caused a long delay between when a truck is ordered and the when the chassis are delivered. In March of 2023 the City Council authorized the purchase of 5 truck chassis. To date we have received 2 of the 5 truck chassis that the City Council authorized for purchase. Supply chain issues have also resulted in large increases to buildout costs. Staff has received an accurate buildout quote for Unit 500 in the amount of \$48,522.58 and is detailed as follows:

- Crysteel Truck Equipment \$47,681.00
- EATI Technologies Inc. \$841.58
- **Total Cost** **\$48,522.58**

The old unit will be sent to state auction once the new unit is ready. All proceeds from the auction will be deposited in the Fleet Fund for future purchases.

Attachments:

1. Quote/Specs from Crysteel Truck Equipment
2. Quote/Specs from EATI Technologies Inc.



1130 73rd Avenue NE
 Fridley, MN 55432
 (763) 571-1902
 1-800-795-1902
 Fax # (763) 571-5091

Highway 60 East
 Lake Crystal, MN 56055
 (507) 726-6041
 1-800-722-0588
 Fax # (507) 726-2984

www.crysteeltruck.com

AN EQUAL OPPORTUNITY EMPLOYER

Date: 1/12/2024

Reference: Fiberline Service Body, Crane, and Tommy Gate

Company: City of Maplewood

Address: 1902 County Road B E

Contact: Scott Schultz

Phone# 651-249-2430

City: Maplewood

Email: Scott.Schultz@maplewoodmn.gov

State: MN

Dealer	Chassis Estimated Delivery:		
Truck Make	GMC	CA or CT	42"
Model Year	2024	Transmission	
Truck Model	2500	Cab Color	

REFERENCE: COOPERATIVE PURCHASE OF EQUIPMENT FROM STATE OF MINNESOTA

CONTRACT NO: 224099

RELEASE NO: T-765(5)

CONTRACT PERIOD: January 1, 2023, THROUGH, September 30, 2023

EXTENSION OPTION: Up to 51 months

1-UNIT

STATE COOPERATIVE PRICING

QTY		Price Each	Extended
	2.0 Utility Service Body		
1	2.2 FB-96"L x 79"W x 40"H (15" Deep Compartment) for single rear wheel Specifications: Fiberline Fiberglass Body 1/8" Steel treadplate floor and bulkhead, primed and painted gloss Gelcoat finish to match standard chassis white. Molded fiberglass side packs. All interior fiberglass gelcoated white. Stainless steel paddle latches, all keyed alike. Fully adjustable door strikers with safety catch. Fiberline designed automotive style weather-strip. Aluminum treadbrite front rock guards. Stainless steel rear wheel well rock guards. Stainless steel HD hinges. All stainless steel bolts and self-locking nuts. Extruded aluminum drip rails above all side doors. Fiberglass bulkhead between compartments. Flush shock mounted exterior lights to meet FMVSS#108. Lighted license plate bracket. Loomed one piece wiring harness with molded plug. Floor drains in front and rear vertical compartments. Dual fuel recess molded into streetside side pack. 12" Aluminum drop-down tailgate (40" high bodies only). Vents in each side pack. Cable door stops on all side doors.	\$10,811.00	\$10,811.00

		Non skid on tops of side packs.		
		<i>Additional Add-ons</i>		
1	2.1	FB-Installation	\$1,344.00	\$1,344.00
1	NCI	Deduct for smaller body size	-\$2,000.00	-\$2,000.00
6	2.19	FB-Add for aluminum pull out drawer on slides: 2" deep with dividers on 2" centers, mounted on full extension HD Slides must include price of fixed shelf for mounting	-\$447.00	\$2,682.00
1	2.21	FB-Add for (1) fixed aluminum open shelf	\$209.00	\$209.00
1	2.26	FB-Add for 18 drawer metal cabinet installed	\$763.00	\$763.00
3	2.29	FB-Add for full length fiberglass shelf	\$424.00	\$1,272.00
4	2.32	FB-Add for locking swivel hooks (per hook)	\$64.00	\$256.00
1	2.43	FB-Add for Crane reinforcement for 25,000 ft.lb. installed in rear vertical	\$3,132.00	\$3,132.00
1	2.50	FB-Add for 8" recessed steel treadplate bumper	\$1,030.00	\$1,030.00
1	NCI	Additional Frame Work for Take-off box set-up	\$910.00	\$910.00
<u>3.0 Front Snow Plow</u>				
1	3.36	9'2" V-XT Steel Vee Plow	\$8,265.00	\$8,265.00
1	3.72	Light Adapter	\$179.00	\$179.00
1	3.94	Snow Deflector (7'6"-9'2" V-Plows, 7'6"-9' Super Duty, 9'HD)	\$261.00	\$261.00
<u>5.0 Liftgates</u>				
1	5.46	G2-54-1342 EA27	\$3,380.00	\$3,380.00
1	5.46	Install of G2-54-1342 EA27	\$800.00	\$800.00
1	5.19	CS Component Kit	\$140.00	\$140.00
1	5.19	Install of CS Component Kit	\$250.00	\$250.00
<u>6.0 Hitches</u>				
1	6.1	Installation Buyers Service Body hitch	\$303.00	\$303.00
1	6.3	Buyers Service Body Hitch 2-1/2" Receiver 602-1801060L	\$344.00	\$344.00
<u>1.0 Cranes</u>				
1	1.0	Liftmoore 2700AR Crane	\$11,000.00	\$11,000.00
1	6.1	Boom Rest, Service Body Mount	\$490.00	\$490.00
1	3.2	Outriggers, Manual In/Out, Crank Up/Down	\$1,660.00	\$1,660.00
1	NCI	Shop Supplies	\$200.00	\$200.00

Total Package Price \$47,681.00

PRICES SHOWN DO NOT INCLUDE ANY APPLICABLE TAXES OR FEES

Cost Per Loaded Mile for Delivery: \$4.00

Starting Point: Lake Crystal, MN

*A WRITTEN PURCHASE ORDER MUST BE RETURNED SPECIFYING PURCHASE OF THIS EQUIPMENT OFF THE STATE OF MINNESOTA COOPERATIVE PURCHASE CONTRACT
 *NO EXHAUST WORK INCLUDED FOR TRUCKS WITH NEW EMISSION CONTROL EXHAUST SYSTEMS. EXHAUST SYSTEMS CANNOT BE MODIFIED.
 *ALL LABOR COSTS ARE BASED ON INSTALLING EQUIPMENT ON A TRUCK CHASSIS WITH ALL TRUCK ITEMS OUT OF THE WAY FOR EQUIPMENT INSTALLATION. IF CRYSSTEEL HAS TO MOVE FUEL TANKS, AIR TANKS, AIR DRYER, ETC. EXTRA CHARGES MAY APPLY

Vendor Name:	Crysteel Truck Equipment-Fridley
Contact Person:	Josh Taylor
Street Address:	1130 73rd Ave NE
City, State, Zip:	Fridley, MN 55432
Phone #:	(763) 235-5487
Toll Free #:	(800) 795-1280
Fax #:	(763) 571-5091
Email Address:	jtaylor@crysteeltruck.com



2755 Geneva Avenue North
 Oakdale MN 55128
 651-765-2657
 orders@eatimn.com

Quote

Date	Quote #
1/13/2024	BA011324-11

Name / Address
CITY OF MAPLEWOOD 1830 COUNTY ROAD B MAPLEWOOD, MN 55109

Ship To
CITY OF MAPLEWOOD ATTN: SCOTT SCHULTZ 1902 COUNTY ROAD B MAPLEWOOD, MN 55109

P.O. No.	Account #	Terms	Rep	Quote Valid Until	FOB
SCOTT EMAIL		CCF NET30	BMA	2/12/2024	ORIGIN

Qty	Item	Description	U/M	Price	Total
1	CONTACT	SCOTT SCHULTZ 651-249-2430 SCOTT.SCHULTZ@MAPLEWOODMN.GOV		0.00	0.00
2	TLIA	WHELEN ION T SERIES LINEAR LIGHTHEAD - AMBER	ea	97.44	194.88
2	TLIB	WHELEN ION T SERIES LINEAR LIGHTHEAD - BLUE	ea	97.44	194.88
1	R2LPPA	WHELEN RESPONDER 2 LOW PROFILE LED BEACON - 6 LINEAR LED - PERM MOUNT - AMBER	ea	451.82	451.82

Total	\$841.58
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All EATI production sales orders will have parts and labor invoiced separately. You will receive an invoice for your parts once they are received and ready for the build. If you would like to turn this quote into an order, please notify your sales rep ASAP.

CITY COUNCIL STAFF REPORT

Meeting Date January 22, 2024

REPORT TO: Melinda Coleman, City Manager

REPORT FROM: Brian Bierdeman, Public Safety Director
Ron Batty, City Attorney

PRESENTER: Ron Batty, City Attorney

AGENDA ITEM: Drug Paraphernalia and Hypodermic Needles and Syringes
a. Ordinance Amending Chapter 24
b. Resolution Authorizing Publication by Title and Summary (4 votes)

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

Should the city council amend Chapter 24 of the city code to eliminate inconsistencies with recent amendments to state law regarding the use and possession of drug paraphernalia and hypodermic needles and syringes?

Recommended Action:

- a. Motion to adopt the ordinance amending sections 24-206 through 24-211 of the Maplewood city code regarding the use and possession of drug paraphernalia and hypodermic needles and syringes.
- b. Motion to approve the resolution authorizing publication by title and summary.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$0.00

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: N/A

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

City Council approval is required to adopt the ordinance and approve the resolution.

Background:

The 2023 Minnesota legislature amended state law regarding the use and possession of drug paraphernalia and hypodermic needles and syringes. As a result, certain provisions in city code became inconsistent with state statutes. The purpose of the amended ordinance is to eliminate those inconsistencies by simplifying the city code and adopting relevant statutory provisions by

reference. The ordinance amendment does not make legal under city code anything that remains illegal under state law.

Attachments:

1. Ordinance
2. Resolution

ORDINANCE NO. _____

**AN ORDINANCE AMENDING CHAPTER 24 OF THE MAPLEWOOD CITY CODE
PERTAINING TO THE POSSESSION OF HYPODERMIC SYRINGES AND NEEDLES AND
THE USE OR POSSESSION OF DRUG PARAPHERNALIA**

**THE CITY COUNCIL OF THE CITY OF MAPLEWOOD, MINNESOTA ORDAINS AS
FOLLOWS:**

Section I. Chapter 24, Article VI, Division 3 – Drugs. of the Maplewood city code is amended in its entirety to read as follows (additions are underlined and deletions are ~~stricken~~):

DIVISION 3. DRUGS¹

Sec. 24-206. ~~Prohibited Drug~~ and controlled substances statutes adopted by reference.

Minn. Stats. §§ 152.01—152.20, relating to ~~prohibited drugs~~ and controlled substances, are hereby adopted by reference by the city and are incorporated into and made a part of this Code as completely as if set out in full.

State law reference(s)—Authority of city to adopt state statutes by reference, Minn. Stats. § 471.62; prohibited drugs, Minn. Stats. ch. 152.

Sec. 24-207. Possession of ~~hypodermic syringes and needles; use or possession of opium drug~~ paraphernalia.

(a) ~~No person, except dealers or salespersons in surgical instruments, registered pharmacies, licensed pharmacists, licensed doctors of medicine, doctors of osteopathy duly licensed to practice medicine, licensed doctors of dentistry, licensed doctors of veterinary medicine, or nurses or interns in any licensed hospital or other licensed institutions wherein sick and injured persons are cared for or treated or bona fide hospitals wherein animals are treated, when under the direction and supervision of a licensed doctor as defined in this section, shall at any time have or possess any hypodermic syringe or needle or any instrument or implement adapted for the use of cocaine or narcotic drugs by subcutaneous injections and which is possessed for that purpose, unless such possession is authorized by the certificate of a physician issued within the period of one year prior to any time of such possession, shall possess drug paraphernalia or devices used for the consumption of illegal controlled substances as those terms are defined in Minn. Stats., section 152.01~~

(b) ~~No person shall use, possess or have under his control for use any stem, bowl, lamp, yen-hok or other opium smoking paraphernalia or accessories used for the smoking or inhalation of opium.~~

State law reference(s)—Possession and sale of hypodermic syringes and needles; Definitions. Minn. Stats. § ~~151.40~~ 152.01.

Sec. 24-208. Violations of article.

Any possession, sale, distribution, prescribing, administration, dispensing or use of controlled substances, drugs, narcotics, poison or chemicals or of any hypodermic syringe or needle or any instrument or implement adapted for the use of narcotic drugs or controlled substance, as defined in state law, ~~or any stem, bowl, lamp, yen-hok or other narcotic or~~

~~controlled substance smoking paraphernalia or accessories used for the smoking or inhalation of narcotics or controlled substances, contrary to this article, is hereby declared to be dangerous to the public health, a menace to the public welfare and a penal offense punishable as provided in section 1-15.~~

Sec. 24-209. ~~Inhalation or ingestion~~Abuse of toxic substances.

~~No person shall inhale, breathe, drink or otherwise take into the body any compound, liquid or chemical containing toluol, hexane, trichloroethylene, acetone, toluene, ethyl acetate, methyl ethyl ketone, trichloroethane, isopropanol, methyl isobutyl ketone, methyl cellosolve acetate, cyclohexanone, or any other substance capable of inducing intoxication, elation, dizziness, paralysis, irrational behavior or, in any manner, distorting or changing the audio, visual or mental processes. For the purpose of this section, any such condition so induced shall be deemed to be an intoxicated condition. However, this section shall not apply to any person who inhales, breathes, or drinks such material or substance pursuant to the direction or prescription of any doctor, physician, surgeon, dentist or podiatrist authorized to so direct or prescribe. Minn. Stats., section 609.684 is hereby adopted by reference by the city and is incorporated into and made a part of this code as completely as if set out in full.~~

~~Sec. 24-210. Possession, purchase or sale of toxic substances.~~

~~No person shall, for the purpose of violating or aiding another to violate any section of this article, intentionally possess, buy, sell, transfer possession, or receive possession of any glue or cement containing any of the intoxicating substances defined in section 24-209.~~

~~Sec. 24-211. Sales of toxic glues to minors; sales from self-service displays.~~

- ~~(a) Except as provided in subsections (c) and (e) of this section, no person under 18 years of age shall possess or buy any glue or cement containing the intoxicating substances defined in section 24-209.~~
- ~~(b) Except as provided in subsections (c) and (e) of this section, no person shall sell or transfer possession of any glue containing the intoxicating substances defined in section 24-209 to another person under 18 years of age.~~
- ~~(c) A person may sell or transfer possession of any glue containing the intoxicating substances defined in section 24-209 to a person under 18 years of age for model building or other lawful use where the juvenile has in his possession and presents the written consent of his parent or guardian, which consent shall contain the address and telephone number of such parent or guardian.~~
- ~~(d) Subsections (a), (b), (c), (e) and (g) of this section shall not apply where the glue or cement is sold, delivered or given away simultaneously with and as part of a kit used for the construction of model airplanes, model boats, model automobiles, model trains or other similar models.~~
- ~~(e) A person making a sale or transfer of possession of any glue containing the intoxicating substances defined in section 24-209 to a person under 18 years of age who presents the written consent of his parent or guardian shall keep the written consent required by this section in a permanent type file available for inspection by the police department for a period of at least six months.~~
- ~~(f) The other subsections of this section shall not apply to the distribution of glue or cement by adult supervised youth organizations for use by their regularly organized model classes.~~

~~(g) Retail establishments selling glue or cement containing the intoxicating substances defined in section 24-209 shall not sell such glue or cement from a self-service display.~~

Secs. 24-2120—24-240. Reserved.

Section II. Effective upon adoption and publication.

Adopted by the City of Maplewood this 22nd day of January, 2024.

Marylee Abrams, Mayor

Attest:

Andrea Sindt, City Clerk

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CITY OF MAPLEWOOD

RESOLUTION NO. _____

RESOLUTION AUTHORIZING PUBLICATION OF
ORDINANCE NO. _____ BY TITLE AND SUMMARY

WHEREAS, the city council of the city of Maplewood has adopted Ordinance No. _____, an ordinance amending Chapter 24, Article VI, Division 3-Drugs of the city code; and

WHEREAS, Minnesota Statutes, section 412.191, subd. 4, allows publication by title and summary in the case of lengthy ordinances or those containing charts or maps; and

WHEREAS, the ordinance is three pages in length; and

WHEREAS, the city council believes that the following summary would clearly inform the public of the intent and effect of the ordinance.

NOW, THEREFORE, BE IT RESOLVED by the city council of the city of Maplewood that the city clerk shall cause the following summary of Ordinance No. _____ to be published in the city’s official newspaper in lieu of the entire ordinance:

Public Notice

On January 22, 2024, the city council of the city of Maplewood adopted Ordinance No. _____, an ordinance amending Chapter 24, Article VI, Division 3 of the city code regarding prohibited drugs and controlled substances. The 2023 Minnesota legislature amended state statutes by repealing or modifying certain provisions regarding the use and possession of drug paraphernalia, hypodermic needles and syringes. The city code has been amended to avoid conflicts with state law. This public notice is intended only to summarize the ordinance. The full text of the ordinance is available for inspection at Maplewood city hall during regular business hours and has been posted to the city’s website. This ordinance will be effective upon publication.

BE IT FURTHER RESOLVED by the city council of the city of Maplewood that the city clerk keep a copy of the ordinance in her office at city hall for public inspection.

Dated: _____, 2024.

Marylee Abrams, Mayor

ATTEST:

Andrea Sindt, City Clerk

CITY COUNCIL STAFF REPORT

Meeting Date January 22, 2024

REPORT TO: Mayor Abrams and City Council

REPORT FROM: Mike Darrow, Assistant City Manager / Director of Human Resources

PRESENTER: Mike Darrow, Assistant City Manager / Director of Human Resources

AGENDA ITEM: Employment Agreement between the City of Maplewood and City Manager Michael Sable

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

The City Manager is an appointed position by the City Council of the City of Maplewood. This contract incorporates the employment responsibilities, core functions, hire date, salary, professional development provisions, automobile expenses, annual leave agreement, general provisions and termination benefits.

Recommended Action:

Motion to approve the employment agreement between the City of Maplewood and City Manager Michael Sable.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is within the City's assigned 2024 salary range for Grade 18 of \$173,409-\$222,713 (see attached contract for salary grade and steps)

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: n/a

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

The proposed contract meets strategic priorities for financial management and employee retention.

Background:

On December 18, 2023 during a special City Council meeting, the City Council interviewed City Manager candidate Michael Sable. After the interview, the City Council approved a motion to appoint Mike Sable as City Manager, subject to background investigation and approval of an employment contract. Mayor Abrams and Council Member Lee met with Assistant City Manager and Human Resource Director Mike Darrow on Wednesday, December 27, 2023 and again on January

16, 2024 to review conditions of employment. The following contract represents the outcome of that meeting and is subject to City Council consideration.

Attachments:

1. PowerPoint Presentation Recap – Contract Negotiation Session with Mayor Abrams and Council Member Lee
2. Existing City Manager Employment Agreement – Coleman – 2.10.15
3. Proposed City Manager Employment Agreement – Sable 1.16.24 * *Note that the Contract will be sent separately to the City Council to allow all parties additional review.*

CITY MANAGER CONTRACT

RECAP

AGENDA

- Review of existing contract provisions
 - Salary
 - Car allowance
 - Vacation
- Surrounding Community Salaries
- Current Grades and Steps
- Proposed contract
 - By Section
- Timeline and Process

EXISTING CONTRACT

- Pre Employment Testing
- Core Duties
- Hire Date
- Salary
- Professional Development
- Automobile Expenses
- Annual Leave
- Other Terms
- General Provisions
- Termination Benefits

CITY MANAGER SALARY RANGES

SOURCE: MN GOVERNMENTS SALARY & BENEFITS SURVEY

Maplewood	\$173,409	\$219,421 (2024)
Roseville	\$172,078	\$211,536 (2023)
Chanhassen	\$172,078	\$216,486 (2023)
St. Louis Park	\$205,541	\$256,926 (2024)
Burnsville	\$167,065	\$208,353 (2023)
Golden Valley	\$150,904	\$201,094 (2024)
Brooklyn Park	\$197,600 (Rate on 1.1.23)	
Edina	\$163,488	\$214,572 (2023)

CONSIDERATIONS

- Agreement- I inserted **January 22, 2024** as the contract agreement date as this is the first CC meeting of the year. If you feel like you need additional time, please let me know.
- Section 1. I **removed the psychological testing** element of the contract as Mike was a previous hire.
- Section 2. I inserted core functions of the job description and **hybrid status**.
- Section 2. **Removed Leadership Training** Consultant and included a **90-day goal setting review**
- Section 3. I inserted a hire date of **February 26, 2024**. If you have a change, please let me know.
- Section 4. I did not include a salary as I am awaiting input. We are looking at comparable communities as well. **(Included scenarios)**
- Section 5. I included **ICMA Executive Board meetings for discussion**.
- Section 6. Auto expense remains the same as the current **CM contract (included scenarios)**.
- Section 7. **Included a bank of eight (8) days** with an accrual rate tbd.
- Section 10. Termination benefits are the same as our current CM.

WHY ARE WE RECOMMENDING NOT ROLLING SALARY WITH DEFERRED COMPENSATION AND CAR ALLOWANCE ?

- In 2023, the City moved into a universal pay plan to ensure greater compliance with issues like pay equity
- The plan includes 18 grades with 7 steps
- There is a 10% pay differential between grades and a 4% differential between steps
- If we were to move all compensation (car, deferred comp., etc.) into base wage, that universal pay for Grade 18 would be off

	SMT	Melinda	Mike S Option
Base Salary February 2024	AVERAGE \$177,331 AVERAGE \$166,825 <small>Grade 16/Grade 17</small>	\$219,421	\$202,867 (market with steps)
Car Allowance	\$2,400 <small>(2 employees have city-owned cars)</small>	None – amended to be included in base salary	Option 1. 400 Option 2. 500
Deferred Comp.	3.25% or \$5,592 <small>(Based on average base salary above.) (PW is 3.5% due to previous MCSA contract)</small>	6% at start 2015 <small>Amended to be included in base salary</small>	Option 1. 3.25% Option 2. 2% move to 3.25 at 1 year anniversary Option 3. 6%
PTO Accrual Rate	Varies	20 years	Option 1. 5-11 years Option 2. 12-2- years Option 3. 20+ years
Starting PTO Bank	Varies	Existing bank	8 days
Total Comp. 2024	\$180,070 <small>(Based on average base salary above.)</small>	\$219,421	\$211,724 +

Wage Schedules

				Minimum			Midpoint			Maximum
Grade				A	B	C	D	E	F	G
16	1/1/2024	1.50%		\$143,315	\$149,048	\$155,010	\$161,210	\$167,658	\$174,365	\$181,339
	6/29/2024	1.50%		\$145,465	\$151,284	\$157,335	\$163,628	\$170,173	\$176,980	\$184,059
	1/1/2025	1.50%		\$147,647	\$153,553	\$159,695	\$166,083	\$172,726	\$179,635	\$186,820
	6/28/2025	1.50%		\$149,861	\$155,856	\$162,091	\$168,574	\$175,317	\$182,329	\$189,622
17	1/1/2024	1.50%		\$157,644	\$163,951	\$170,510	\$177,331	\$184,425	\$191,802	\$199,474
	6/29/2024	1.50%		\$160,009	\$166,410	\$173,068	\$179,991	\$187,191	\$194,679	\$202,466
	1/1/2025	1.50%		\$162,409	\$168,906	\$175,664	\$182,691	\$189,999	\$197,599	\$205,503
	6/28/2025	1.50%		\$164,845	\$171,440	\$178,299	\$185,431	\$192,849	\$200,563	\$208,586
18	1/1/2024	1.50%		\$173,409	\$180,346	\$187,561	\$195,064	\$202,867	\$210,982	\$219,421
	6/29/2024	1.50%		\$176,010	\$183,051	\$190,374	\$197,990	\$205,910	\$214,146	\$222,713
	1/1/2025	1.50%		\$178,650	\$185,797	\$193,230	\$200,960	\$208,999	\$217,359	\$226,053
	6/28/2025	1.50%		\$181,330	\$188,584	\$196,128	\$203,974	\$212,134	\$220,619	\$229,444

SALARY DIFFERENTIAL APPROXIMATE BETWEEN CM AND HIGHEST SMT STAFF MEMBER

2024	2023	2022
\$21,528	\$29,205	\$28,329
11.87%	16.35%	18.31%

SECTION I PRE-EMPLOYMENT TESTING

- We have removed the psychological testing component (previous hire). We are requiring a background and leadership assessment
- Are we comfortable with this section?

SECTION 2. DUTIES

- We have removed leadership training consultant
- Added 90-day review
- Included hybrid designation and annual review

Are we comfortable with this section?

SECTION 3. HIRE DATE

- We have included the start date of February 26, 2024.

Are we comfortable with this section?

SECTION 4 SALARY

We have included a starting base salary of \$202,867 and are recommending that we do not roll car allowance and/or deferred compensation into the base due to pay equity / universal pay plan.

Are we comfortable with ----- % as a deferred comp.

Are we comfortable with this base salary? We would include language that states “base salary of \$202,867 (Grade 18, Step E) payable.... with wage adjustments of 1.5% on 6.28.2024 and 1.5% on January 1, 2025. Thereafter, you will receive a step increase on your anniversary date which is February 26 of each year, until you reach the maximum of grade 18.

Are you comfortable with this section?

SECTION 5. PROFESSIONAL DEVELOPMENT

Are you comfortable with this section?

SECTION 6. AUTOMOBILE EXPENSES

Are you comfortable with a car allowance?

Are you comfortable with this section?

SECTION 7. ANNUAL LEAVE

- 5-11 years of service with eight (8) days of banked PTO.

Are you comfortable with this section?

SECTION 8- TERMS

Are you comfortable with this section?

SECTION 9 – GENERAL PROVISIONS

Are you comfortable with this section?

SECTION 10 – TERMINATION BENEFITS

Are you comfortable with this section?

AGREEMENT DATE

- Agreement Date- Are we comfortable moving this to the January 22, 2024 meeting?
 - Subject to City Attorney Review
 - Council Consideration on January 22, 2024

REMAINING SCHEDULE

- Draft Agreement 12.27.23
 - All parties
- City Attorney Review 12.28.23
- Draft Agreement 1.16.24
 - All parties
- City Council Report January 22, 2024
 - Consent Agenda with Contract

EMPLOYMENT AGREEMENT

This AGREEMENT is hereby entered into this 10th day of February, 2015 by and between the City of Maplewood, Minnesota (hereinafter referred to as "City") and Melinda Coleman (hereinafter referred to as "Coleman").

WHEREAS, the City desires to employ the services of Coleman as City Manager of the City of Maplewood; and

WHEREAS, Coleman desires to accept employment in said position.

NOW, THEREFORE, in consideration of the mutual covenants herein contained, the parties agree as follows:

Section 1. Pre Employment Testing

Coleman shall submit to a leadership assessment including psychological testing by a qualified and licensed psychologist and a standard background check as a condition precedent to beginning her duties as City Manager. Such testing shall be overseen by the City HR department in the same manner that has been the pattern and practice of the HR Department with past City Managers and other top level positions.

Section 2. Duties

The City hereby agrees to employ Coleman as City Manager of the City of Maplewood to perform the functions and duties of City Manager specified in State Statutes, City Ordinances, and City Personnel Policies and to perform such other legally permissible and proper functions and duties as the City Council from time to time shall assign. Within the first 30 days following the Hire Date, Coleman shall meet with a Leadership Training consultant chosen by the City and thereafter complete such training deemed sufficient by the City and the consultant to allow Coleman to more successfully and effectively communicate and work with members of the City Council, Department Heads and staff. From these leadership training meetings Coleman shall establish five measurable goals that the Council can use to evaluate her performance.

Section 3. Hire Date

It is agreed the start date is anticipated to be the date upon which the City receives notice that Coleman has successfully passed the background and psychological testing requirement as set forth in Section 1 herein.

Section 4. Salary

The City agrees to pay Coleman for her services rendered pursuant hereto an annual base salary of One Hundred Thirty Five Thousand Dollars (\$135,000.00), payable in installments at the same time as other employees of the City, and annual deferred compensation of an amount equal to Five Percent (5%) of base salary payable in the same

manner for the first year and Six Percent (6%) for the second year and every year thereafter. The City also agrees to increase Coleman's salary and/or other financial benefits in such amounts and to such extent as the City Council may determine is desirable on the basis of an annual salary review. Adjustments are to be made on her anniversary date of February 6th of each calendar year to a maximum of 110% of the governor's salary as allowed by State Statute.

Section 5. Professional Development

The City agrees to budget and to pay eligible travel and subsistence expenses incurred by Coleman for her professional and official travel in connection with attendance at conferences, meetings, continuing education courses, seminars, and other such occasions undertaken to continue her professional growth and development and/or to pursue official City business. Conferences will include, but are not limited to: the State Manager's Conference, ICMA Conference and the League of MN Cities Conference. Coleman agrees to use good judgment in outside activities so she will not neglect her primary duty to the City. Professional development courses, other than the conferences listed herein, will be submitted to the City Council for approval. The City agrees, pursuant to, and in accordance with, the rules established under Section 13 of its Personnel Policy, to budget and to pay for the professional dues and subscriptions of Coleman necessary and desirable for her continued professional growth and development. Specifically covered herein shall be Coleman's dues to the International City Management Association, the Urban Land Institute, the Minnesota City Management Association, American Society for Public Administration and the Metropolitan Area Management Association. All other dues and subscriptions hereunder must be approved in advance by the City Council.

Section 6. Automobile Expenses

The City recognizes that Coleman will make extensive use of her personal automobile to adequately fulfill the duties and functions of her position. In recognition thereof, the City agrees to pay Coleman an automobile expense allowance of Five Hundred Dollars (\$500.00) per month in lieu of mileage and parking reimbursement.

Section 7. Annual Leave

The City hereby acknowledges Coleman will retain the days of annual leave she has currently accrued with the City. In addition, Coleman will accrue at the accrual rate for employees with 20 years of service (of 29 days of annual leave per year) on a pay period basis. The City agrees to provide annual leave in lieu of vacation and sick leave. Annual leave will be treated like vacation in that it can be used for any reason and its usage, hold-over and conversion shall be determined as set forth in the City's Personnel Policy

Section 8. Other Terms and Conditions of Employment

- A. The City Council shall fix such other terms and conditions of employment for Coleman as from time to time it may determine are desirable, provided such terms and conditions are not inconsistent with or do not conflict with the provisions of this Agreement or Law.

- B. All regulations, rules and benefits of the City relative to terms and conditions of employment not enumerated in this agreement, as they now exist or hereafter may be amended, shall also apply to Coleman as they would to Department Heads of the City. Such terms and conditions of employment shall include, but not be limited to, retirement and pension system contributions, holiday leave, community center membership, Section 125 plans, EAP services, and coverage for health, dental, disability, and life insurance. In those situations in which the City grants different benefit packages to different groups of employees, Coleman shall be entitled to receive the same benefits provided to City key employees, except as otherwise modified by specific language in this Agreement.

Section 9. General Provisions

- A. The text herein shall constitute the entire Agreement between the parties hereto.
 B. This Agreement shall be binding upon and inure to the benefit of the heirs at law and executors of Coleman.
 C. This Agreement shall become effective upon Coleman's initial day of employment with the City.
 D. If any provision or portion thereof contained in this Agreement shall be held unconstitutional, invalid or unenforceable, it shall be deemed severable and the remainder of this Agreement shall not be affected and shall remain in full force and effect.

Section 10. Termination Benefits

The City may terminate Coleman at any time with or without cause. Coleman can voluntarily terminate employment with four weeks written notice to the City. In the event that Coleman is terminated without cause attributable to her, the City shall give Coleman Ninety (90) Days written notice prior to such termination and also agrees to pay Coleman six months pay and benefits, consistent with her pay and benefits in existence at the time. Here, solely for purposes of determining whether Coleman shall be provided the Ninety (90) Days written notice and paid the six months of severance pay as set forth above, cause shall mean malfeasance in office¹, gross misconduct², the charging of and, to a

¹ Here, malfeasance shall be defined as: The performance of an act in official capacity which is illegal, wrongful or willful or wanton neglect of duty. In re Olson, 211 Minn. 114, 117, 300 N.W. 398, 400 (1941).

To constitute malfeasance or nonfeasance, conduct must "affect[] the performance of official duties * * * [and] 'must relate to something of a substantial nature directly affecting the rights and interests of the public.'" Jacobsen v. Nagel, 255 Minn. 300, 304, 96 N.W.2d 569, 573 (1959) (citation omitted). In defining malfeasance, we have said that malfeasance "in an official capacity is not susceptible of an exact definition [but, it] 'has reference to evil conduct or an illegal deed, the doing of that which one ought not to do, the performance of an act by an officer in his official capacity that is wholly illegal and wrongful.'" Id. at 304, 96 N.W.2d at 573

reasonable person the appearance of sustainable grounds for a conviction of, a felony, or the charging of and, to a reasonable person the appearance of sustainable grounds for a conviction for, an illegal act involving personal gain to Coleman. Coleman's rights under M.S.A. 412.641 are preserved.

IN WITNESS WHEREOF, the parties here to have signed and executed this Agreement.

ACKNOWLEDGED BY:

CITY OF MAPLEWOOD, MINNESOTA

DATED:

Warc-Samir
Karen Haag

2-10-15
2.10.2015

MELINDA COLEMAN

DATED:

Melinda Coleman

2.10.2015

²Here, the standard for gross misconduct shall be: whether an employee's gross misconduct interferes with and adversely affects his employment "whether, by reason of his action, he can no longer effectively perform the services for which he was employed." Schmidt v. City of Duluth, 346 N.W.2d 671 (Minn.App.1984) The intended meaning of the term 'misconduct' * * * is limited to conduct evincing such willful or wanton disregard of an employer's interests as is found in deliberate violations or disregard of standards of behavior which the employer has the right to expect of his employee, or in carelessness or negligence of such degree or recurrence as to manifest equal culpability, wrongful intent or evil design, or to show an intentional and substantial disregard of the employer's interests or of the employee's duties and obligations to his employer. On the other hand mere inefficiency, unsatisfactory conduct, failure in good performance as the result of inability or incapacity, inadvertencies or ordinary negligence in isolated instances, or good-faith errors in judgment or discretion are not to be deemed 'misconduct'

CITY COUNCIL STAFF REPORT

Meeting Date January 22, 2024

REPORT TO: Melinda Coleman, City Manager

REPORT FROM: Terrie Rameaux, Human Resource Manager

PRESENTER: Mike Darrow, Assistant City Manager/Director of Human Resources

AGENDA ITEM: Resolution Approving 2024 Pay Rates for Temporary/Seasonal and Casual Part-Time Employees

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

The Human Resource Department is requesting an adjustment to some positions which haven't seen adjustments for a few years in order to remain competitive in the current labor market.

Recommended Action:

Motion to approve the attached resolution for temporary/seasonal and casual part-time employees' payrates effective January 1, 2024.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is minimal impact on department budgets—temporary wages.

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: n/a

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

Pay rates are being adjusted in order to remain competitive in the current labor market.

Background:

The current job market continues to be challenging, not just for benefit-earning positions, but also for some temporary/seasonal and casual part-time positions. Some of these positions are designed to be a stepping stone to a full-time position within the city, i.e. Fire/EMS cadet to a Firefighter/Medic-EMT. Also, our current background investigators have been at the top of the range for a few years. In an effort to help combat the challenge and retain excellent employees, the City is recommending increasing the ranges for CSOs, Fire/EMS Cadets and Background Investigators.

Attachments:

1. 2024 Pay Rates Resolution for Temporary/Seasonal and Casual Part-Time Employees
2. 2024 Pay Rates Resolution for Temporary/Seasonal and Casual Part-Time Employees (redline)

**2024 PAY RATES RESOLUTION
TEMPORARY/SEASONAL & CASUAL P/T EMPLOYEES**

WHEREAS, according to the Minnesota Public Employees Labor Relations act, part-time employees who do not work more than 14 hour per week and temporary/seasonal employees who work in positions that do not exceed 67 days in a calendar year, or 100 days for full-time students, are not public employees and are therefore not eligible for membership in a public employee union.

NOW, THEREFORE, BE IT RESOLVED, that the following pay ranges and job classifications are hereby established for temporary/seasonal, casual part-time employees effective January 1, 2024 upon Council approval.

Accountant	\$15.00 - 30.00	per hour
Accounting Technician	\$14.00 - 22.00	per hour
Administrative Assistant	\$15.00 - 23.00	per hour
Background Investigator	\$35.00 - 45.00	per hour
Building Inspector	\$14.00 - 35.00	per hour
CSO	\$15.00 - 25.00	per hour
Election Judge	\$15.00 - 25.00	per hour
Fire Maintenance Engineer	\$14.00 - 18.00	per hour
Fire/EMS Cadet	\$15.00 - 25.00	per hour
Gardener	\$15.00 - 25.00	per hour
Intern	\$15.00 - 25.00	per hour
IT Technician	\$15.00 - 20.00	per hour
Laborer	\$15.00 - 20.00	per hour
Office Specialist	\$12.00 - 18.00	per hour
Receptionist	\$12.00 - 16.00	per hour
Recreation Worker	\$13.00 - 30.00	per hour

BE IT FURTHER RESOLVED, this resolution will supersede previous resolutions setting pay rates for these pay classifications; and,

BE IT FURTHER RESOLVED, that the City Manager shall have the authority to set the pay rate within the above ranges.

**202~~4~~³ PAY RATES RESOLUTION
TEMPORARY/SEASONAL & CASUAL P/T EMPLOYEES**

WHEREAS, according to the Minnesota Public Employees Labor Relations act, part-time employees who do not work more than 14 hour per week and temporary/seasonal employees who work in positions that do not exceed 67 days in a calendar year, or 100 days for full-time students, are not public employees and are therefore not eligible for membership in a public employee union.

NOW, THEREFORE, BE IT RESOLVED, that the following pay ranges and job classifications are hereby established for temporary/seasonal, casual part-time employees effective January 1, 202~~3~~⁴ upon Council approval.

Accountant	\$15.00 - 30.00	per hour
Accounting Technician	\$14.00 - 22.00	per hour
Administrative Assistant	\$15.00 - 23.00	per hour
Background Investigator	\$25.00 <u>35.00</u> - 40.00 <u>45.00</u>	per hour
Building Inspector	\$14.00 - 35.00	per hour
CSO	\$14.50 <u>15.00</u> - 19.50 <u>25.00</u>	per hour
Election Judge	\$15.00 - 25.00	per hour
Fire Maintenance Engineer	\$14.00 - 18.00	per hour
Fire/EMS Cadet	\$14.50 <u>15.00</u> - 19.50 <u>25.00</u>	per hour
Gardener	\$15.00 - 25.00	per hour
Intern	\$15.00 - 25.00	per hour
IT Technician	\$15.00 - 20.00	per hour
Laborer	\$15.00 - 20.00	per hour
Office Specialist	\$12.00 - 18.00	per hour
Receptionist	\$12.00 - 16.00	per hour
Recreation Worker	\$13.00 - 30.00	per hour

BE IT FURTHER RESOLVED, this resolution will supersede previous resolutions setting pay rates for these pay classifications; and,

BE IT FURTHER RESOLVED, that the City Manager shall have the authority to set the pay rate within the above ranges.

CITY COUNCIL STAFF REPORT

Meeting Date January 22, 2024

REPORT TO: Melinda Coleman, City Manager

REPORT FROM: Mike Darrow, Assistant City Manager/HR Director

PRESENTER: Mike Darrow, Assistant City Manager/HR Director

AGENDA ITEM: Madden Galanter Hansen, LLP Consulting Services Agreement for 2024

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

The existing contract term between the City of Maplewood and Madden Galanter Hansen, LLP expired; and it is recommended the City Council consider a new one-year agreement through December 31, 2024.

Recommended Action:

Motion to approve the Consulting Services Agreement between the City of Maplewood and Madden Galanter Hansen, LLP and authorize the Mayor and City Manager to execute the contract on behalf of the city.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$50,000 for 2024.

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: n/a

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

n/a

Background:

Since January 26, 2015, the city has contracted with the law firm Madden Galanter Hansen, LLP to provide legal services related to Human Resources matters. Ms. Susan Hansen has been the lead attorney representing the city.

Ms. Hansen has assisted with human resource matters, including general consultation and advice, PELRA (public employee labor relations act), contract interpretation, arbitrations, grievances, and investigations. Ms. Hansen has met the city's expectations regarding service and ability in providing sound advice and guidance.

The firm proposes an hourly fee arrangement of \$215 per hour for advice and consultation on human resource and labor law matters. For arbitration and grievances and other administrative hearing representations they propose a rate of \$225 per hour. For litigation and appellate court cases, they propose an hourly rate of \$235 per hour. Rates in all categories have increased by \$15 per hour.

Attachments:

1. 2024 Madden Galanter Hansen, LLP Consulting Services Agreement

CITY OF MAPLEWOOD CONSULTING SERVICES AGREEMENT

This AGREEMENT is made and entered into by and between the City of Maplewood, Minnesota, hereinafter referred to as “City,” and Madden Galanter Hansen, LLP, Attorneys at Law, 7600 France Avenue South, Suite 290, Bloomington, Minnesota 55435, hereinafter referred to as “Consultant.”

RECITALS

- a. Consultant is Madden Galanter Hansen, LLP, is experienced in providing human resources and labor relations assistance and services; and
- b. The City seeks to enter into an agreement for the necessary provision of human resources and labor relations assistance and services.

NOW, THEREFORE, in consideration of the mutual undertakings and agreement contained within this Agreement, the City and Consultant hereby agree as follows:

1. Scope of Services

- A. Consultant agrees to provide to the City professional human resources and labor relations services, including guidance on employment matters and labor relations issues, representation in grievance matters and consultation with management staff in grievance steps, contract administration, assistance in negotiations, disciplinary matters and procedures, grievance procedures, personnel matters, legal support to the Police Civil Service Commission, and training.
- B. In addition to the services in paragraph 1.A. herein, Consultant agrees to provide services to include, but not limited to, the following:
 - a. Representation in interest and grievance arbitration cases; representation in unit determination and unit clarification proceedings; and special projects;
 - b. Representation involved in strike situations, including strikes and strike planning.
- C. At the request of the City, court preparation and court appearances of any type.

2. Compensation and Terms of Payment

- A. The hourly rate for the services outlined in Section 1, Scope of Services, paragraph A shall be Two Hundred and Fifteen (\$215.00) Dollars.
- B. The hourly rate for the services outlined in Section 1, Scope of Services, paragraph B shall be Two Hundred and Twenty Five (\$225.00) Dollars.
- C. The hourly rate for the services outlined in Section 1, Scope of Services, paragraph C shall be Two Hundred and Thirty Five (\$235.00) Dollars.
- D. The City shall reimburse Consultant for out-of-pocket costs incurred in performing services under this Agreement, for example, mileage reimbursement at the IRS rate, photocopying costs at \$.15 per copy, facsimile transmissions at \$.50 per page, long distance telephone charges and parking fees.
- E. Consultant shall provide invoices on a monthly basis to the authorized agent of the City for payment of work completed. The authorized agent shall have the authority to review the invoices, and no payment shall be made without the approval of the authorized agent. Payments shall be made within thirty (30) days after receipt of invoices for services performed and acceptance of such services by the authorized agent of the City.

3. Condition of Payment

All services provided by Consultant pursuant to this Agreement shall be performed to the satisfaction of the City, and in accordance with all applicable federal, state and local laws, ordinances, rules and regulations. Payment shall be withheld for work found by the City to be unsatisfactory, or performed in violation of federal, state and local laws, ordinances, rules or regulations. If Consultant and the City agree, any controversy or claim arising out of or relating to this Agreement shall be settled between the parties by mediation. Each party shall pay its own costs resulting from the utilization of the arbitration process. The fees and costs charged by the American Arbitration Association shall be borne equally by the parties.

4. Term of Agreement

This Agreement shall be effective from January 1, 2024 through December 31, 2024.

5. Authorized Agents

The City of Maplewood shall appoint an authorized agent for the purpose of administration of this Agreement. Consultant is notified of the authorized agent of the City of Maplewood as follows:

Melinda Coleman
City Manager
City of Maplewood
1830 County Road B East
Maplewood, MN 55109

The City is notified of the authorized agent for the Consultant as follows:

Madden Galanter Hansen, LLP
Attorneys at Law
7760 France Avenue South, Suite 290
Bloomington, Minnesota 55435

6. City and State Audit

Pursuant to Minn. Stat. § 16C.05, subd. 5 (1998), the books, records, documents, and accounting procedures and practices of Consultant relative to this Agreement shall be subject to examination by the City and State Auditor. Complete and accurate records of the work performed pursuant to this Agreement shall be kept by Consultant for a minimum of six (6) years following termination of this Agreement for such auditing purposes. The retention period shall be automatically extended during the course of any administrative or judicial action involving the City of Maplewood regarding matters to which the records are relevant. The retention period shall be automatically extended until the administrative or judicial action is finally completed or until the authorized agent of the City notifies Consultant in writing that the records need no longer be kept.

7. Indemnity

Provider agrees to defend, indemnify and hold the City, its employees and officials harmless from any claims, demands, actions or causes of action, including reasonable attorney's fees and expenses resulting directly or indirectly from any negligent act or omission on the part of the Consultant, or its subcontractors, partners or independent contractors or any of their agents or employees, in the performance of any of the work or services to be performed or furnished by the Consultant or the subcontractors, partners or independent contractors or any of their agents or employees under the Agreement.

Consultant shall be responsible for the professional quality, technical accuracy, and the coordination of all services furnished by Consultant under this Agreement. Consultant shall, without additional compensation, correct or revise any errors or deficiencies in Consultant's final reports and services.

8. Indemnification and Insurance

- A. Indemnification. The Consultant agrees it will defend, indemnify and hold harmless the City, its officers and employees against any and all liability, loss, costs, damages and expenses which the City, its officers or employees may hereafter sustain, incur or be required to pay arising out of the Consultant's performance or failure to adequately perform its obligations pursuant to this Agreement.
- B. Insurance. Consultant agrees to maintain insurance to protect itself and the City under the indemnity provision set forth above and professional liability insurance. Consultant will carry Workers Compensation insurance as required by Minnesota statutes.

9. Subcontracts

Consultant shall not subcontract any portion of the work to be performed under this Agreement nor assign this Agreement without prior written approval of the authorized agent of the City. Consultant shall ensure and require that any subcontractor agrees to and complies with all the terms of this Agreement. Any subcontractor of Consultant used to perform any portion of this Agreement shall report to and bill Consultant directly. Consultant shall be solely responsible for the breach, performance or nonperformance of any subcontractor.

10. Force Majeure

City and Consultant agree that Consultant shall not be liable for any delay or inability to perform this Agreement, directly or indirectly caused by or resulting from strikes, labor troubles, accidents, fire, flood, breakdowns, war, riot, civil commotion, lack of material, delays of transportation, acts of God or other cause beyond reasonable control of Consultant and the City.

11. Data Practices

Consultant, its agents, employees and any subcontractors of Consultant in providing all services hereunder, agree to abide by the provisions of the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13, as amended, and Minn. Rules promulgated pursuant to Ch. 13. The Consultant agrees to hold the City, its officers, department heads and employees harmless from any claims resulting from the Consultant's unlawful disclosure, failure to disclose, or use of data protected under state and federal laws.

12. Termination

This Agreement may be terminated by either party, with or without cause, upon thirty (30) days written notice to Consultant or the Authorized Agent of the City, subject to the Minnesota Rules of Professional Conduct.

13. Independent Contractor

It is agreed that nothing contained in this Agreement is intended or should be construed as creating the relationship of copartner, joint ventures, or an association with the City and Consultant. Consultant is an independent contractor and neither it, its employees, agents, subcontractors nor representatives shall be considered employees, agents or representatives of the City. Except as otherwise provided herein, Consultant shall maintain, in all respects, its present control over the means and personnel by which this Agreement is performed. From any amounts due Consultant, there shall be no deduction for federal income tax or FICA payments nor for any state income tax, nor for any other purposes which are associated with an employer/employee relationship unless otherwise required by law. Payment of federal income tax, FICA payments, state income tax, unemployment compensation taxes, and other payroll deductions and taxes are the sole responsibility of Consultant.

14. Notices

Any notices to be given under this agreement shall be given by enclosing the same in a sealed envelope, postage prepaid, and depositing the same in the United States Postal Service, addressed to Consultant at its address stated herein, and to the authorized agent of the City at the address stated herein.

15. Controlling Law

The laws of the State of Minnesota shall govern all questions and interpretations concerning the validity and construction of this agreement, the legal relations between the parties and performance under the agreement. The appropriate venue and jurisdiction for any litigation hereunder will be those courts located within the City of Maplewood, State of Minnesota. Litigation, however, in the federal courts involving the parties will be in the appropriate federal court within the State of Minnesota. If any provision of this contract is held invalid, illegal or unenforceable, the remaining provisions will not be affected.

16. Successors and Assigns

The City and Consultant, respectively, bind themselves, their partners, successors, assigns, and legal representatives to the other party to this agreement and to the partners, successors, assigns, and legal representatives of such other party with respect to all covenants of this agreement. Neither the City nor Consultant shall assign, sublet, or transfer any interest in this agreement without prior written consent of the other.

17. Changes

The parties agree that no change or modification to this agreement, or any attachments hereto, shall have any force or effect unless the change is reduced to writing, dated, and made part of this agreement. The execution of the change shall be authorized and signed in the same manner as for this agreement.

18. Separability

In the event any provision of this agreement shall be held invalid and unenforceable, the remaining provisions shall be valid and binding upon the parties unless such invalidity or non-enforceability would cause the agreement to fail its purpose. One or more waivers by either party of any provision, term, condition or covenant shall not be construed by the other party as a waiver of a subsequent breach of the same by the other party.

19. Entire Agreement

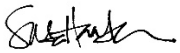
It is understood and agreed that the entire agreement of the parties is contained herein and that this agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter hereof as well as any previous agreements presently in effect between the City and Consultant relating to the subject matter hereof.

IN WITNESS WHEREOF, the parties have caused this agreement to be duly executed intending to be bound thereby.

CITY OF MAPLEWOOD

MADDEN GALANTER HANSEN, LLP

By _____
Melinda Coleman
City Manager


By _____
Susan K. Hansen

Date: _____

Date: 12/11/2023

By: _____
Mayor Marylee Abrams

Date _____

CITY COUNCIL STAFF REPORT
Meeting Date January 22, 2024

REPORT TO: Melinda Coleman

REPORT FROM: Michael Mondor, Fire and EMS Chief

PRESENTER: Michael Mondor, Fire and EMS Chief

AGENDA ITEM: Purchase of Powerload Stretcher Loading System for Ambulances

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

The fire department utilizes a Powerload stretcher loading system in all of the department's ambulances. The existing equipment is beyond its useful life and needs to be replaced.

Recommended Action:

Motion to approve the purchase of six Powerload stretcher loading systems for department ambulances.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$145,652.40

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: n/a

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt. Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

Maintaining the department's fleet and equipment aligns with the City's asset management goals. Utilizing best practices and technology enhances patient and provider safety and increases the organizations operational effectiveness.

Background

The fire department currently utilizes the Powerload technology in each of the department's ambulances. These devices help lift the stretcher, with the patient safely into the ambulance. The useful life of these devices is 7 years and the manufacturer recommends replacement after seven years of use. Additionally, the maintenance costs of these devices has increased significantly over the past two years as the devices have aged.

According to the Center for Disease Control and Prevention and the National Institute for Occupational Safety (CDC) and Health (NIOSH), one of the most common injury risks faced by

Emergency Medical Services (EMS) workers is sprains and strains due to overexertion (CDC, 2020). One of the key recommendations to prevent these injuries includes practicing safe lifting through the use of proper equipment and body mechanics (CDC, 2020). The Maplewood Fire Department has adopted technology that reduces the amount of lifts that providers have to make in the process of providing care and the purchase of this equipment would allow for the department to continue to follow industry best practices in an effort to reduce the number of these types of injuries.

These devices improve patient and provider safety and provide consistency in patient handling and enhance patient comfort during transport. The devices enhance on-scene efficiency and reduce the amount of physical exertion required when removing and placing the stretcher in the back of the ambulance.

The fire department's utilizes Stryker stretchers in all of its ambulances and the loading system is proprietary, hence one quotation was received.

References:

[EMS-INFOGRAPHIC-122817-508 \(cdc.gov\)](#)

[EMS Workers - Injury and Illness Data | NIOSH | CDC](#)

Attachments

1. Stryker Quotation



Maplewood PowerLoads - 122223

Quote Number: 10840091

Version: 1

Prepared For: MAPLEWOOD FIRE EMS

Attn:

Rep: Elizabeth Reem

Email: elizabeth.reem@stryker.com

Phone Number: (314) 853-2779

Quote Date: 01/16/2024

Expiration Date: 01/31/2024

Contract Start: 12/22/2023

Contract End: 12/21/2024

Equipment Products:

#	Product	Description	U/M	Qty	Sell Price	Total
1.0	639005550001	MTS POWER LOAD	PCE	6	\$27,926.32	\$167,557.89
Equipment Total:						\$167,557.92

Trade In Credit:

Product	Description	Qty	Credit Ea.	Total Credit
TR-SPL-PL	TRADE-IN-STRYKER POWER LOAD TOWARDS PURCHASE OF POWERLOAD	6	-\$4,000.00	-\$24,000.00

Price Totals:

Estimated Sales Tax (0.000%):	\$0.00
Freight/Shipping:	\$2,094.48
Grand Total:	\$145,652.40

Prices: In effect for 30 days

Terms: Net 30 Days

Maplewood PowerLoads - 122223

Quote Number: 10840091

Version: 1

Prepared For: MAPLEWOOD FIRE EMS

Attn:

Rep: Elizabeth Reem

Email: elizabeth.reem@stryker.com

Phone Number: (314) 853-2779

Quote Date: 01/16/2024

Expiration Date: 01/31/2024

Contract Start: 12/22/2023

Contract End: 12/21/2024

Terms and Conditions:

Deal Consummation: This is a quote and not a commitment. This quote is subject to final credit, pricing, and documentation approval. Legal documentation must be signed before your equipment can be delivered. Documentation will be provided upon completion of our review process and your selection of a payment schedule. Confidentiality Notice: Recipient will not disclose to any third party the terms of this quote or any other information, including any pricing or discounts, offered to be provided by Stryker to Recipient in connection with this quote, without Stryker's prior written approval, except as may be requested by law or by lawful order of any applicable government agency. A copy of Stryker Medical's terms and conditions can be found at https://techweb.stryker.com/Terms_Conditions/index.html.

CITY COUNCIL STAFF REPORT

Meeting Date January 22, 2024

REPORT TO: Melinda Coleman, City Manager

REPORT FROM: Steven Love, Public Works Director / City Engineer
Jon Jarosch, Assistant City Engineer
Tyler Strong, Civil Engineer I

PRESENTER: Steven Love

AGENDA ITEM: Resolution Accepting Feasibility Study, Authorizing Preparation of Plans & Specifications, and Calling for a Public Hearing for 2024 Maplewood Street Improvements, City Project 23-08

Action Requested: Motion Discussion Public Hearing

Form of Action: Resolution Ordinance Contract/Agreement Proclamation

Policy Issue:

The City of Maplewood Engineering Department prepares a feasibility report prior to project design for municipal public improvement project in accordance with State Statute 429. The report is an essential element in the public improvement process, as it provides detailed information on the existing site conditions, the proposed improvements, resident input, special assessments, project costs, project financing, a tentative schedule, and recommendations on the feasibility of the improvements. Accepting the feasibility report and ordering the public hearing is one of the first steps in the public improvement process.

Recommended Action:

Motion to approve a Resolution Accepting the Feasibility Report, Authorizing the Preparation of Plans and Specifications, and Calling for a Public Hearing at 7:00 p.m. on February 12, 2024 for the 2024 Maplewood Street Improvements, City Project 23-08.

Fiscal Impact:

Is There a Fiscal Impact? No Yes, the true or estimated cost is \$10,878,200

Financing source(s): Adopted Budget Budget Modification New Revenue Source
 Use of Reserves Other: The proposed funding plan includes a combination of Special Benefit Assessments, Street Revitalization Fund, the Environmental Utility Fund, the Sanitary Sewer Fund, St. Paul Regional Water Services, G.O. Improvement Bonds, and the W.A.C. Fund.

Strategic Plan Relevance:

Community Inclusiveness Financial & Asset Mgmt Environmental Stewardship
 Integrated Communication Operational Effectiveness Targeted Redevelopment

The streets proposed for reconstruction under the project represent an important part of the City's infrastructure, serving as a connection to and from residential properties, businesses and other points of interest. The city streets and utilities included in the project have deteriorated beyond the point of regular annual maintenance and are in need of replacement.

Background

The Feasibility Report for the 2024 Maplewood Street Improvements, City Project 23-08, is complete and available in the office of the City Engineer as well as on the project web page. A copy has been included as an attachment in the council report. The report includes information on the existing site conditions, proposed improvements, anticipated schedule, costs, financing and recommendations.

The city streets included in the 2024 Maplewood Street Improvements total approximately 4.30 miles in length. The project includes two areas; the East Shore Drive area and the Cypress-Maplewood Drive area. The East Shore Drive area is generally bounded by Frost Avenue to the north, Lake Phalen to the west, Larpenteur Avenue to the south, and Birmingham Street to the east. The Cypress-Maplewood Drive area is generally bounded by Beam Avenue to the north, Keller Parkway to the west, Gervais Avenue to the south, and Hazelwood Avenue to the east. This project is a part of the 2024 – 2028 Maplewood Capital Improvement Plan (CIP). If the project moves forward through the approval process and the City Council awards a construction contract, construction would begin in June of 2024.

The existing street pavement and aging utility infrastructure on the project streets present an ongoing maintenance problem for the City of Maplewood Street and Utility Departments. Of the infrastructure elements the city maintains, the bulk of the maintenance activities consist of patching the roadway, crack sealing, filling potholes, and maintaining the aging utility infrastructure. The condition of the existing street also represents a decreased level of service for the residents of Maplewood, with the City receiving complaints from area residents about substandard street conditions. The project streets have a combined average PCI rating of 32/100. The PCI rating is based on a visual survey of the pavement and is a number between 0 and 100, with 0 being the worst possible pavement condition and 100 being the best possible pavement condition (i.e. a new road). This project would include the following improvements:

Pavement Rehabilitation Type Improvement Streets:

- Full depth reclamation (essentially grinding and mixing) of existing pavement and underlying aggregate base
- Removal of excess reclaim material to accommodate new pavement section
- Full replacement of asphalt pavement section
- Spot replacement of severely deteriorated concrete curb and gutter
- Roadway subgrade soil corrections as necessary
- Upgrade of existing pedestrian features to ADA compliance
- Saw & seal of control joints for the new bituminous pavement
- Replacement of outdated utility surface castings/lids and failing structures
- Installation of sacrificial anodes on existing water mains
- Restoration of driveways, turf and landscape features impacted by the project

Full Reconstruction Type Improvement Streets:

- Full removal of existing pavement and underlying aggregate base
- Full replacement of asphalt pavement section

- Construction of all new concrete curb and gutter
- Subgrade soil corrections based on soil boring data
- Improvements to the existing pedestrian features
- Saw & seal of control joints for the new bituminous pavement
- Installation on sacrificial anodes on proposed and existing water mains
- Utility improvements to include the installation of new storm sewer structures and piping, replacement of cast iron water main, and replacement of select sanitary sewer services
- Water quality improvements to include residential rain water gardens, infiltration basins, or underground infiltration basins where feasible
- Restoration of driveways, turf and landscape features impacted by the project

Additional Improvements:

- Sanitary sewer lining of deteriorating mains throughout the City
- Fog seal pavement of a past project area streets

In 2022, the City of Maplewood Sanitary Sewer Department performed televising and manhole inspections of the sewer system within the project streets. Based on the results of the reports, staff are recommending repairs to select sewer services which have had a history of root infiltration. The majority of these services are located in the East Shore Drive area of the project. Staff also recommend upgrading existing surface castings to the current standard and replacing failing manhole adjustment rings as needed.

Saint Paul Regional Water Services (SPRWS) has identified approximately 2,600-feet of cast iron water main which needs to be removed and replaced as a part of the project. The water main work would be done under the project contract, with the costs associated with this work being reimbursed to the City by SPRWS. SPRWS is also recommending sacrificial anodes be installed on all new water mains and existing water mains in the Cypress-Maplewood Drive area of the project. Sacrificial anodes improve corrosion resistance and break susceptibility of the water mains they are attached to.

Some project streets lack an adequate storm sewer system, while others have an effective system currently in place. Depending on the project street, installation of new storm sewer piping and structures may be needed or repairs to the existing system may be needed. On streets with new storm sewer systems proposed, water quality and rate control improvements will be implemented where possible. Based on the existing conditions, staff are recommending the East Shore Drive area storm sewer system be expanded and replaced as necessary. The Cypress-Maplewood Drive area has an adequate storm sewer system in place, staff recommend only replacing failing structures and pipes as necessary.

Neighborhood Correspondence

On July 24, 2023, the Maplewood City Council ordered the preparation of a feasibility study for the 2024 Maplewood Street Improvements. On August 1, 2023, a letter was mailed to the residents in the project areas to provide information on the council's action and to notify them about preliminary engineering activities would begin during the fall of 2023.

Staff mailed informational packets to impacted residents on November 30, 2023. The packet informs project residents about a number of topics including street construction frequently asked questions (FAQ), assessments, and included a Neighborhood Meeting #1 Invitation.

The first informational neighborhood meeting for the East Shore Drive area was held virtually on December 14, 2023. Staff mailed out the invitation to 147 property owners with 11 attending the meeting. The meeting included a presentation followed by a question and answer session. Items discussed at this meeting included the public improvement process, construction process, existing conditions, proposed improvements, assessment information, and an estimated project timeline. The majority of the conversation revolved around speeding concerns, pavement condition, project timeline, boulevard tree impacts, public involvement process, resident notification, proposed improvements, drainage concerns, sidewalks, roadway widths and assessments. Following the meeting, staff posted the meeting minutes and the presentation slides on the project website for residents and the public to view.

The first informational neighborhood meeting for the Cypress-Maplewood Drive area was held virtually on December 13, 2023. Staff mailed out the invitation to 141 property owners affected by the construction project with approximately 6 attending the meeting. The meeting included a presentation followed by a question and answer session. Items discussed at this meeting included the public improvement process, construction process, existing conditions, proposed improvements, assessment information, and an estimated project timeline. The majority of the conversation revolved around impacts to utilities, property access during construction, current pavement conditions, general construction process, proposed improvements, drainage concerns, speeding concerns, street lights, potential tree impacts and assessments. Staff posted the meeting minutes and the presentation slides on the project website for residents and the public to view.

Following the first neighborhood meetings, Staff reviewed the City's Comprehensive Plan, Parks Master Plan, and Living Streets Policy to see what additional guidance these documents could provide for sidewalks and trails in the project area. These guiding documents did not call for any additional sidewalks or trails within either project area. After considering all of this information, along with the feedback heard from residents, staff is not recommending any new sidewalks be installed as a part of the project.

On December 20, 2023, residents were mailed an informational letter on how to access and use the InputID tool, which is located on the project website. The system is 'social-media like', with the ability to add comments on the map and the ability to like or dislike comments. Staff have received many questions and comments about the project on this online tool. Staff will continue to monitor these comments throughout the design process.

Additional neighborhood meetings and stakeholder correspondence are planned throughout the public improvement process to continue conversations with area residents and to ensure that everyone affected by the potential project is well informed and has had multiple chances to provide input. The second neighborhood meeting will be scheduled prior to the public hearing. Also, a project survey has been sent out to the full reconstruction areas of the project to solicit additional feedback from area residents. The timing of the second neighborhood meeting provides residents with the opportunity to hear about the latest project developments and to have their questions answered prior to the public hearing.

Assessments

An independent appraisal firm has been hired to provide an opinion of special benefit received by properties within the project area. This information will ultimately be utilized to determine the special benefit assessment amounts for the project area. The rates established in the City's Special Assessment Policy were utilized at this time to generate a preliminary assessment roll.

Based on the City of Maplewood’s Pavement Management Policy, parcels are assessed on an equal “unit” basis. However, per Minnesota State Statute 429, the assessment amount cannot be greater than the benefit received by the property from the type(s) improvement. Ultimately the special benefit appraisal report will determine the final assessment amounts for the properties proposed to be assessed as a part of the project. For the purposes of this report and establishing a project financing plan, the preliminary assessment rate(s) are as follows.

- Residential
 - Full Reconstruction Rate, Single Family Unit = \$6,600/Unit
 - Partial Reconstruction Rate, Single Family Unit = \$4,950/Unit
 - Pavement Rehabilitation Rate, Single Family Unit = \$3,450/Unit
 - Pavement Rehabilitation Rate, Duplex Rate = \$1,955/Unit
- Commercial/Multi-Family
 - Pavement Rehabilitation Rate = \$69.00/Front-Foot

The assessment hearing is currently proposed to be held in September of 2024.

Estimated Project Cost

The total estimated project cost is \$10,878,200 and is outlined below:

Estimated Project Cost Summary		
Proposed Improvements	Total Amount	% of Total
Street Improvements	\$6,458,000	59%
Drainage Improvements	\$2,820,000	26%
Sanitary Sewer Improvements	\$430,000	4%
Water System Improvements	\$1,170,200	11%
Total Estimated Project Cost:	\$10,878,200	100%

The estimated costs include 10% contingencies and 12% overhead, which include geotechnical, legal, and fiscal expenses.

Preliminary Project Funding Plan

The improvements are proposed to be financed through a combination of Environmental Utility Fund, G.O. Improvement Bonds, Sanitary Sewer Fund, Special Benefit Assessments, Saint Paul Regional Water, Ramsey-Washington Metro Watershed District, and the W.A.C. Fund. An update to the financing plan will be provided after the special benefits appraisal is received.

Estimated Project Cost Recovery		
Funding Source	Total Amount	% of Total
General Obligation (G.O.) Improvement Bonds	\$4,759,300	43%
Street Revitalization Fund	\$658,100	6%
Environmental Utility Fund	\$2,156,000	20%
Ramsey-Washington Metro Watershed District	\$125,000	1%
Sanitary Sewer Fund	\$430,000	4%
Water Area Fund (WAC)	\$83,400	1%
St. Paul Regional Water Services	\$1,086,800	10%
Special Benefit Assessments	\$1,579,600	15%

Total Estimated Project Funding:	\$10,878,200	100%
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The total estimated project cost is roughly \$58,000 higher than the approved CIP. This is due to higher than anticipated watermain replacement costs and drainage improvement costs at the feasibility level versus the CIP. These additional costs will be covered by contributions from Saint Paul Regional Water Services and the Ramsey-Washington Metro Watershed District. Overall bonding levels are estimated to be roughly \$34,000 less than the CIP estimate.

The estimated project costs and the preliminary project funding plan have been reviewed by the Finance Director.

Project Schedule

The following is a tentative schedule for City Project 23-08 should it be determined to proceed with the project:

Project Milestone	Date
Order Preparation of Feasibility Study	7/24/2023
Neighborhood Meeting #1 (Maplewood Drive-Cypress Area only)	12/13/2023
Neighborhood Meeting #1 (East Shore Drive Area only)	12/14/2023
City Council Meeting Accept Feasibility Study, Order Public Hearing, Authorize Preparation of Plans & Specifications	1/22/2024
Neighborhood Meeting #2 (East Shore Drive Area & Maplewood Drive-Cypress Area)	2/7/2024
City Council Meeting Public Hearing & Order Improvement	2/12/2024
City Council Meeting Approve Plans and Specifications, Authorize Advertisement for Bids, Authorize Preparation of Assessment Roll	3/25/2024
Bid Opening	4/19/2024
City Council Meeting Award Contract	5/13/2024
Neighborhood Meeting #3 (East Shore Drive Area only)	May 2024
Neighborhood Meeting #3 (Maplewood Drive-Cypress Area only)	May 2024
Begin Construction	June 2024
City Council Meeting Accept Assessment Roll & Order Assessment Hearings	8/12/2024
Neighborhood Meeting #4 (East Shore Drive Area & Maplewood Drive-Cypress Area)	9/4/2024
City Council Meeting Assessment Hearing and Adopt Assessment Roll	9/9/2024
Complete Construction	November 2024
Assessments Certified to Ramsey County	November 2024

Attachments

1. Resolution Accepting Feasibility Study
2. Project Location Map
3. Feasibility Report
4. Presentation Slides

**RESOLUTION
ACCEPTING FEASIBILITY STUDY, AUTHORIZING PREPARATION OF PLANS AND
SPECIFICATIONS, AND CALLING FOR PUBLIC HEARING**

WHEREAS, pursuant to a resolution of the council adopted July 24th, 2023, a report has been prepared by the City Engineering Division with reference to the improvement of the Maplewood 2024 Street Improvements, City Project 23-08, and this report was received by the council on January 22nd, 2024.

WHEREAS, the report provides information regarding whether the proposed project is necessary, cost-effective, and feasible,

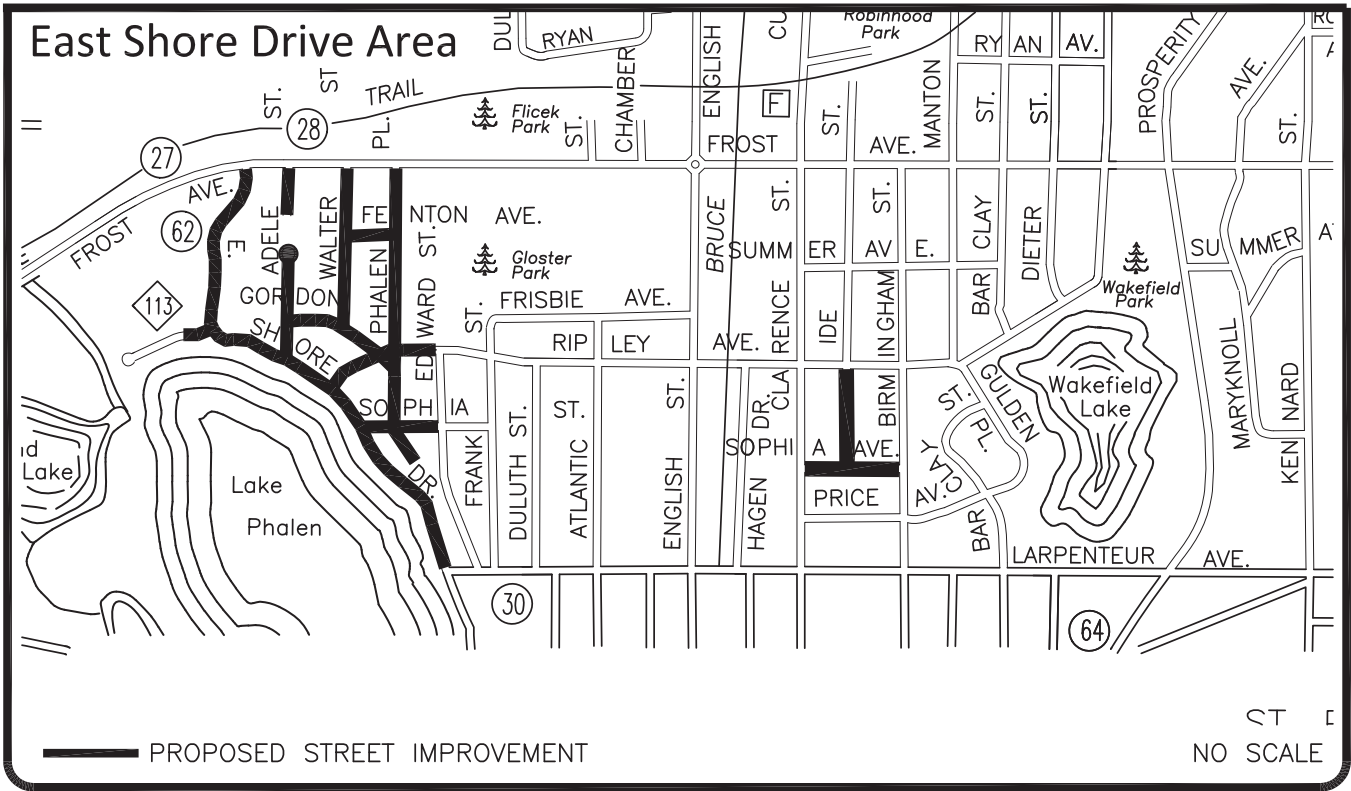
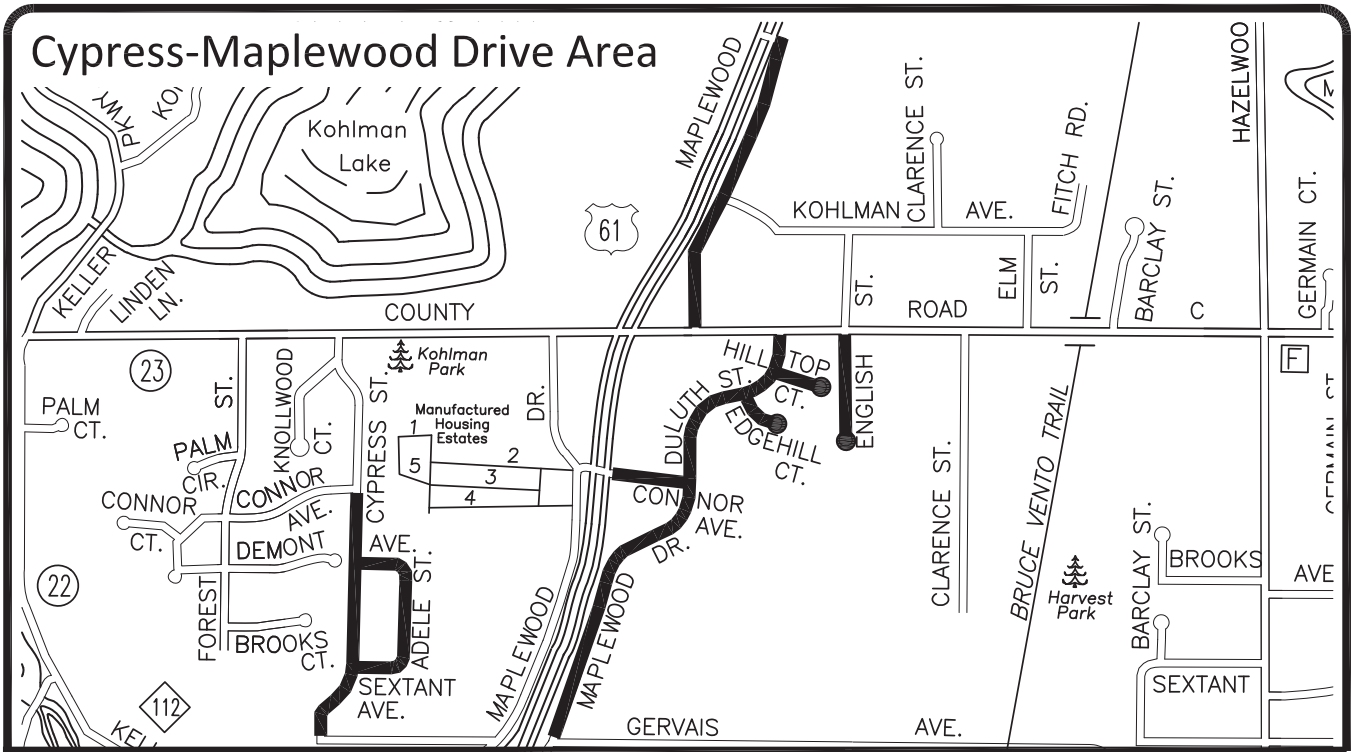
NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF MAPLEWOOD, MINNESOTA:

1. The City Council will consider the 2024 Maplewood Street Improvements, City Project 23-08 in accordance with the report and the assessment of abutting property for all or a portion of the cost of the improvement pursuant to Minnesota Statutes, Chapter 429 at an estimated total project cost of \$10,878,200.
2. The City Engineer or his designee is the designated engineer for this improvement project and is hereby directed to prepare final plans and specifications for the making of said improvement.
3. The Finance Director is hereby authorized to make the financial transfers necessary for the preparation of plans and specifications. A proposed budget of \$10,878,200 shall be established. The proposed financing plan is as follows:

Estimated Project Cost Recovery		
Funding Source	Total Amount	% of Total
General Obligation (G.O.) Improvement Bonds	\$4,759,300	43%
Street Revitalization Fund	\$658,100	6%
Environmental Utility Fund	\$2,156,000	20%
Ramsey-Washington Metro Watershed District	\$125,000	1%
Sanitary Sewer Fund	\$430,000	4%
Water Area Fund (WAC)	\$83,400	1%
St. Paul Regional Water Services (SPRWS)	\$1,086,800	10%
Special Benefit Assessment	\$1,579,600	15%
Total Estimated Project Funding:	\$10,878,200	100%

4. A public hearing shall be held on such proposed improvement on the 12th day of February, 2024 at 7:00 PM. The City Clerk shall give mailed and published notice of such hearing and improvement as required by law.

Approved this 22nd day of January, 2024



2024 Maplewood Street Improvements
City Project 23-08





FEASIBILITY REPORT

**2024 MAPLEWOOD STREET IMPROVEMENTS
CITY PROJECT, 23-08**

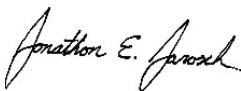
East Shore Drive Area:

Adele Street, East Shore Court, East Shore Drive, Fenton Avenue, Gordon Avenue, Ide Street, Phalen Place, Ripley Avenue, Sophia Avenue, Walter Street

Cypress-Maplewood Drive Area:

Adele Street, Connor Avenue, Cypress Street, Demont Avenue, Duluth Street, Edgehill Court, English Street, Hilltop Court, Maplewood Drive, Sextant Avenue

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.

SIGNATURE: 

Jonathon E. Jarosch, P.E.

Date: 1/16/2023

License No. 49105

Document Prepared by: Tyler M. Strong, E.I.T.

Table of Contents

- Executive Summary 1
 - Project Summary..... 1
 - Project Cost 2
 - Proposed Financing 2
 - Schedule 3
- East Shore Drive Area 4
 - Introduction 4
 - Correspondence..... 4
 - Property Owner Concerns 5
- Existing Conditions..... 5
 - Street History 5
 - Pavement Condition 6
 - Geotechnical Summary 16
 - Existing Curb..... 17
 - Existing Utilities 18
- Proposed Improvements 19
 - Living Streets – Street Widths, Sidewalks, and Geometrics..... 19
 - Street Reconstruction Means & Methods 20
 - Concrete Curb and Gutter 21
 - Pedestrian Improvements..... 22
 - Storm Sewer 23
 - Water Main..... 23
 - Sanitary Sewer 24
 - Lighting 24
 - Private Utilities 24
 - Erosion Control 24
 - Traffic Control and Access 25
 - Additional Project Improvements 25
- Cypress-Maplewood Drive Area..... 26
 - Introduction 26
 - Correspondence..... 26
 - Property Owner Concerns 27
- Existing Conditions..... 27
 - Street History 27
 - Pavement Condition 28
 - Geotechnical Summary 38
 - Existing Curb..... 38

- Existing Utilities 39
- Proposed Improvements 39
 - Street Reconstruction Means & Methods 39
 - Concrete Curb and Gutter 40
 - Pedestrian Improvements..... 40
 - Utility Upgrades and Repairs 40
 - Lighting 41
 - Private Utilities 41
 - Erosion Control 41
 - Traffic Control and Access 41
- Project Cost 42
- Cost Recovery 42
- Schedule 43
- Conclusions & Recommendations..... 44
- Appendix A 45
 - Exhibit 1 – Project Location Map
 - Exhibit 2 – Improvement Type Map
 - Exhibit 3 – Sidewalk Map
 - Exhibit 4 – Geotechnical Summary
 - Exhibit 5 – Subwatershed Map
 - Exhibit 6 – Living Streets, Streetscapes
 - Exhibit 7 – Street Width Layout
 - Exhibit 8 – B618 Curb & Gutter Detail
 - Exhibit 9 – Cost Estimate
 - Exhibit 10 – Preliminary Assessment Roll
 - Exhibit 11 – Preliminary Assessment Map

2024 MAPLEWOOD STREET IMPROVEMENTS CITY PROJECT, 23-08

EXECUTIVE SUMMARY

East Shore Drive Area:

Adele Street, East Shore Court, East Shore Drive, Fenton Avenue, Gordon Avenue, Ide Street, Phalen Place, Ripley Avenue, Sophia Avenue, Walter Street

Cypress-Maplewood Drive Area:

Adele Street, Connor Avenue, Cypress Street, Demont Avenue, Duluth Street, Edgehill Court, English Street, Hilltop Court, Maplewood Drive, Sextant Avenue

Project Summary

This feasibility report has been prepared for the 2024 Maplewood Street Improvements, City Project 23-08. The project includes two areas; the East Shore Drive area and the Cypress-Maplewood Drive area. A map of the project areas is shown in Exhibit 1. The streets to be improved total approximately 4.30 miles in length. The East Shore Drive area is generally bounded by Frost Avenue to the north, Lake Phalen to the west, Larpenteur Avenue to the south, and Birmingham Street to the east. The Cypress-Maplewood Drive area is generally bounded by Beam Avenue to the north, Keller Parkway to the west, Gervais Avenue to the south, and Hazelwood Avenue to the east. This project is a part of the 2024 – 2028 Maplewood Capital Improvement Plan (CIP). After review and approval from City Council, construction would begin in June of 2024. A map showing what type of improvement each street is proposed to receive is shown in Exhibit 2 and is further described below.

Pavement Rehabilitation Streets:

- Full depth reclamation (FDR) of existing pavement and underlying aggregate base
- Removal of excess reclaim material to accommodate new pavement section
- Full replacement of asphalt pavement section
- Spot replacement of severely deteriorated concrete curb and gutter
- Roadway subgrade soil corrections as necessary
- Upgrade of existing pedestrian features to ADA compliance
- Saw & seal of control joints for the new bituminous pavement
- Replacement of outdated utility surface castings and failing structures
- Installation of sacrificial anodes on existing water mains
- Restoration of driveways, turf and landscape features impacted by the project

Full Reconstruction Streets:

- Full removal of existing pavement and underlying aggregate base
- Full replacement of asphalt pavement section
- Construction of all new concrete curb and gutter
- Subgrade soil corrections based on soil boring data
- Improvements to the existing pedestrian features
- Saw & seal of control joints for the new bituminous pavement
- Installation on sacrificial anodes on proposed and existing water mains
- Utility improvements to include the installation of new storm sewer structures and piping, replacement of cast iron water main, and replacement of select sanitary sewer services
- Water quality improvements to include residential rain water gardens, infiltration basins, or

- underground infiltration basins where feasible
- Restoration of driveways, turf and landscape features impacted by the project
- Sanitary sewer lining of deteriorating mains within the project area and throughout the City
- Fog seal pavement of a past project area streets

Project Cost

The estimated costs include a 10% construction contingency and a 12% allowance for geotechnical, legal, and fiscal expenses.

Estimated Project Cost Summary		
Proposed Improvements	Total Amount	% of Total
Street Improvements	\$6,458,000	59%
Drainage Improvements	\$2,820,000	26%
Sanitary Sewer Improvements	\$430,000	4%
Water System Improvements	\$1,170,200	11%
Total Estimated Project Cost:	\$10,878,200	100%

Proposed Financing

The improvements are proposed to be financed through Environmental Utility Fund, General Obligation (GO) Bonds, Sanitary Sewer Fund, Special Benefit Assessment, St. Paul Regional Water Services (SPRWS), Street Revitalization Fund, Ramsey-Washington Metro Watershed District and Water Area Fund.

Estimated Project Cost Recovery		
Funding Source	Total Amount	% of Total
General Obligation (G.O.) Improvement Bonds	\$4,759,300	43%
Street Revitalization Fund	\$658,100	6%
Environmental Utility Fund	\$2,156,000	20%
Ramsey-Washington Metro Watershed District	\$125,000	1%
Sanitary Sewer Fund	\$430,000	4%
Water Area Fund (WAC)	\$83,400	1%
St. Paul Regional Water Services (SPRWS)	\$1,086,800	10%
Special Benefit Assessment	\$1,579,600	15%
Total Estimated Project Funding:	\$10,878,200	100%

Schedule

The following is a tentative schedule for City project 23-08.

Project Milestone	Date
Order Preparation of Feasibility Study	7/24/2023
Neighborhood Meeting #1 (Maplewood Drive-Cypress Area only)	12/13/2023
Neighborhood Meeting #1 (East Shore Drive Area only)	12/14/2023
City Council Meeting Accept Feasibility Study, Order Public Hearing, Authorize Preparation of Plans & Specifications	1/22/2024
Neighborhood Meeting #2 (East Shore Drive Area & Maplewood Drive-Cypress Area)	2/7/2024
City Council Meeting Public Hearing & Order Improvement	2/12/2024
City Council Meeting Approve Plans and Specifications, Authorize Advertisement for Bids, Authorize Preparation of Assessment Roll	3/25/2024
Bid Opening	4/19/2024
City Council Meeting Award Contract	5/13/2024
Neighborhood Meeting #3 (East Shore Drive Area only)	May 2024
Neighborhood Meeting #3 (Maplewood Drive-Cypress Area only)	May 2024
Begin Construction	June 2024
City Council Meeting Accept Assessment Roll & Order Assessment Hearings	8/12/2024
Neighborhood Meeting #4 (East Shore Drive Area & Maplewood Drive-Cypress Area)	9/4/2023
City Council Meeting Assessment Hearing and Adopt Assessment Roll	9/9/2024
Complete Construction	November 2024
Assessments Certified to Ramsey County	November 2024

EAST SHORE DRIVE AREA

Adele Street, East Shore Court, East Shore Drive, Fenton Avenue, Gordon Avenue, Ide Street, Phalen Place, Ripley Avenue, Sophia Avenue, Walter Street

Introduction

On July 24, 2023, the Maplewood City Council ordered the preparation of a feasibility study for the 2024 Maplewood Street Improvements. The project includes two different areas; the East Shore Drive area and the Cypress-Maplewood Drive area. The total length of streets to be improved is 4.30 miles. This project is a part of the 2024 – 2028 Maplewood Capital Improvement Plan (CIP). After review and approval from City Council, construction would begin in June of 2024. A map of the two project areas is shown in Exhibit 1.

The East Shore Drive area is 2.33 miles in length and is generally bounded by Frost Avenue to the north, Lake Phalen to the west, Larpenteur Avenue to the south, and Birmingham Street to the east. A map showing what type of improvement each street is proposed to receive is shown in Exhibit 2.

The existing street pavement and aging utility infrastructure in the East Shore Drive area of the project presents an ongoing maintenance problem for the Maplewood Street and Utility Departments. Of the infrastructure elements the city maintains, the bulk of the maintenance activities consist of patching the roadway, crack sealing, filling potholes, and maintaining the aging utility infrastructure.

Correspondence

On July 24, 2023, the Maplewood City Council ordered the preparation of a feasibility study for the 2024 Maplewood Street Improvements. On August 1, 2023, a letter was mailed to the residents in the project areas to provide information on the council's action and to notify them about preliminary engineering activities would begin during the fall of 2023.

Staff mailed informational packets to impacted residents on November 30, 2023. The packet informs project residents about a number of topics including; street construction frequently asked questions (FAQ), informational assessment handout and the Neighborhood Meeting #1 Invitation.

The first informational neighborhood meeting for the East Shore Drive area was held virtually on December 14, 2023. Staff mailed out the invitation to 147 property owners with 11 attending the meeting. The meeting included a presentation followed by a question and answer session. Items discussed at this meeting included the public improvement process, construction process, existing conditions, proposed improvements, assessment information, and an estimated project timeline. The majority of the conversation revolved around speeding concerns on East Shore Drive, pavement condition, project timeline, boulevard tree impacts, public involvement process, resident notification, proposed improvements, drainage concerns, sidewalks, roadway widths and assessments. Following the meeting, staff posted the meeting minutes and the presentation slides on the project website for residents to view.

Following the first neighborhood meeting, Staff reviewed the City's Comprehensive Plan, Parks Master Plan, and Living Streets Policy to see what additional guidance these documents could provide for sidewalks and trails in the project area. Staff have mapped the location of the existing sidewalks and trails in the area in Exhibit 3. These guiding documents did not call for any additional sidewalks or trails within the project area. After considering all of this information, along with the

feedback heard from residents, staff is not recommending any new sidewalks be installed as a part of the project.

Similar to past projects, the City utilized InputID to garner further resident feedback. On December 20, 2023, residents were mailed an informational letter on how to access and use the InputID tool, which is located on the project website. The system is 'social-media like', with the ability to add comments on the map and the ability to like or dislike comments. Staff have received many questions and comments about the project on this online tool. Some of these comments included concerns regarding speeding and pedestrian safety along East Shore Drive, drainage concerns, comments on the poor condition of the street pavement, the need for additional street lighting, and requests for additional traffic signs. Staff will continue to monitor these comments throughout design

Additional neighborhood meetings and stakeholder correspondence are planned throughout the public improvement process to continue conversations with area residents and to ensure that everyone affected by the potential project is well informed and has had multiple chances to provide input. The second neighborhood meeting is scheduled prior to the public hearing. The timing of this meeting provides residents with the opportunity to hear about the latest project developments and to have their questions answered prior to the public hearing.

Property Owner Concerns

Speeding:

A few comments were received from residents about the frequency of speeding vehicles along East Shore Drive. Staff will look at options during design to promote lower speeds. Typically, this would include narrowing the street width and lane striping to make the roadway feel more constricted. The City also can use its mobile speed display sign to help grab the driver's attention to their current speed. Enforcement by the Police Department is another tool that can help with the more unreasonable drivers.

Tree Impacts:

Staff received a few comments at Neighborhood Meeting #1 about how the project would impact boulevard trees. The City sees boulevard trees as a valuable asset to neighborhoods. During design we do everything we can to design around them to minimize the need for removal. If there is not a way to construct the street and utilities without impacting a boulevard tree we will reach out to the property owner and work with them on the removal and offer a replacement tree. All boulevard ash trees will be removed as a part of the project due to the impacts of the emerald ash borer.

Water Quality Improvements:

Staff received a few questions regarding what would be done as a part of the project to improve the quality of water entering Lake Phalen and local ponding areas. This project will be designed to meet the water quality requirements of the Ramsey Washington Metro Watershed District and the City of Maplewood. Features like rain gardens, underground infiltration systems, pretreatment structures and reduction of impervious surfaces will be utilized to reduce the amount of runoff and improve the quality of water entering the lake.

Existing Conditions

Street History

The East Shore Drive area project streets were constructed in the 1950's, 1960's, 1970's and 1980's as water and sewer was extended to the area to service residential properties. After the 1980's, a few projects were conducted in the areas focused on maintaining street pavement,

replacing failing utilities and adding new utilities to facilitate development.

The majority streets included in the project are classified as local streets. Local streets provide conveyance for vehicle traffic between properties and nearby higher traffic collector type streets such as East Shore Drive, Frost Avenue, County Road C and Larpenteur Avenue. The majority of the project streets carry traffic volumes less than 1,000 vehicles per day, with East Shore Drive being an exception. All streets are signed or designated as 30 MPH.

Widths of existing streets vary slightly and are somewhat irregular with respect to their lengths. Table A summarizes the average widths of all existing streets. The averages are based on new topographic data taken in 2023 and measurements along each street length. Where concrete curb and gutter is present, widths are measured from toe-of-curb to toe-of-curb. Where concrete curb and gutter is not present, widths are measured from the edges of the asphalt pavement.

Table A: Existing Street Widths		
2024 Maplewood Street Improvements		
East Shore Drive Area		
Street	From/To	Average Width (ft.)
Adele Street	East Shore Drive/Cul-de-sac	26
Adele Street	Frost Avenue/Dead-end	29
East Shore Court	East Shore Drive/Park area	26
East Shore Drive	Frost Avenue/East Shore Court	33
East Shore Drive	East Shore Court/Sophia Avenue	28
East Shore Drive	Sophia Avenue/Larpenteur Avenue	30
Fenton Avenue	Walter Street/Phalen Place	28
Gordon Avenue	Adele Street/Phalen Place	24
Ide Street	Sophia Avenue/Ripley Avenue	29
Phalen Place	Frost Avenue/Sophia Avenue	27
Phalen Place	Sophia Avenue/Dead end	24
Ripley Avenue	East Shore Drive/Edward Street	28
Sophia Avenue	Birmingham Street/Clarence Street	27
Sophia Avenue	East Shore Drive/Edward Street	27
Walter Street	Frost Avenue/Gordon Avenue	32

Pavement Condition

The streets included in the East Shore Drive area of the project total approximately 2.33 miles. The Pavement Condition Index (PCI) method was used to determine the condition of the project street pavement. The PCI method of rating pavement is based on a visual survey of the pavement and is a number between 0 and 100 indicating the condition of a roadway, with zero being the worst possible pavement condition and 100 being the best possible condition (i.e. a new road). The PCI method was developed by the United States Army Corps of Engineers and is widely used in asset management and transportation civil engineering. It is the City’s general goal to have 75-percent of local streets at a rating of 70 or above.

According to the pavement condition survey, the East Shore Drive area project streets have a weighted average PCI rating of 31. A summary of the street segments and their corresponding PCI

ratings are shown in Table B.

Table B: Pavement Condition Index (PCI)			
2024 Maplewood Street Improvements			
East Shore Drive Area			
Street	From/To	Feet	2022 PCI
Adele Street	East Shore Drive/Gordon Avenue	284	52
Adele Street	Gordon Avenue/Cul-de-sac	457	22
Adele Street	Frost Avenue/Dead end	457	37
East Shore Court	Cul-de-sac/East Shore Drive	654	66
East Shore Drive	Adele Street/East Shore Court	567	16
East Shore Drive	Ripley Avenue/Adele Street	290	16
East Shore Drive	Larpenteur Avenue/Sophia Avenue	1108	16
East Shore Drive	Sophia Avenue/Ripley Avenue	318	16
East Shore Drive	East Shore Court/Frost Avenue	1158	29
Fenton Avenue	Walter Street/Phalen Place	320	29
Gordon Avenue	Ripley Avenue/Phalen Place	254	38
Gordon Avenue	Adele Street/Walter Street	369	37
Gordon Avenue	Walter Street/Ripley Avenue	244	33
Ide Street	Sophia Avenue/Ripley Avenue	658	35
Phalen Place	Gordon Avenue/Ripley Avenue	237	31
Phalen Place	Ripley Avenue/Fenton Avenue	772	28
Phalen Place	Dead end/Sophia Avenue	274	29
Phalen Place	Fenton Avenue/Frost Avenue	461	28
Phalen Place	Sophia Avenue/Gordon Avenue	250	39
Ripley Avenue	Phalen Place/Edward Street	318	43
Ripley Avenue	East Shore Drive/Gordon Avenue	366	52
Ripley Avenue	Gordon Avenue/Phalen Place	145	36
Sophia Avenue	Ide Street/Birmingham Street	330	33
Sophia Avenue	Phalen Place/Edward Street	316	36
Sophia Avenue	East Shore Drive/Phalen Place	242	18
Sophia Avenue	Clarence Street/Ide Street	330	18
Walter Street	Gordon Avenue/Fenton Avenue	639	28
Walter Street	Fenton Avenue/Frost Avenue	461	37
Total Length (Miles) =		2.33	
Weighted Average 2022 PCI =			31

The existing streets have failures including, but not limited to, transverse and edge cracking, medium to high severity patching, fatigue (alligator) cracking, severe block cracking, and potholes. A number of areas within the street section have water pooling in them as well. These puddles undergo freeze thaw cycles in the winter, which deteriorates the pavement at a faster rate. Figures 1 - 8 on the following pages display pictures of the level of pavement deterioration on these streets. The pictures provide an accurate representation of the current state of pavement condition throughout the neighborhood.

Adele Street (East Shore Drive to Dead-End)



FIGURE 1: Pavement Condition of the East Shore Drive Area Streets

East Shore Drive/Sophia Avenue Intersection



FIGURE 2: Pavement Condition of the East Shore Drive Area Streets

East Shore Drive



FIGURE 3: Pavement Condition of the East Shore Drive Area Streets

Phalen Place



FIGURE 4: Pavement Condition of the East Shore Drive Area Streets

Ripley Avenue



FIGURE 5: Pavement Condition of the East Shore Drive Area Streets

Walter Street



FIGURE 6: Pavement Condition of the East Shore Drive Area Streets

Fenton Avenue



FIGURE 7: Pavement Condition of the East Shore Drive Area Streets

East Shore Drive



FIGURE 8: Pavement Condition of the East Shore Drive Area Streets

Geotechnical Summary

Braun Intertec Corporation was hired to prepare a geotechnical investigation report for the purposes of designing and constructing the roadway project. Exhibit 4 contains the summary from the geotechnical investigation report.

Soil Conditions:

The streets in the project area were originally constructed in the 1960's, 1970's and 1980's as land was being developed in the area. Based on the soil boring results, fill material was transported to the site to build the roadway sub-base. The fill material varied in soil type and layer thickness. In general, the material consisted of sand (SP), silty sand (SM) and clayey sand/sandy clay (SC). The fill material layer thickness varies significantly. These materials are generally suitable subgrade materials for pavement support when accompanied with a suitable aggregate base layer and drainage layer in cases where a more clayey soil is present.

Groundwater was observed in 7 of the 46 borings with effective depths ranging from 6.5-feet to 13-feet below the ground surface. In areas where ground water levels are high, additional measures for drainage & construction must be taken into consideration. Infiltration rates will generally be moderate to low within the project area due to the presence of clay and silt in the fill material brought in when the roadway was originally constructed. Given the in-situ soil types, some areas of the project will benefit from the installation of drain tile at low points in the road to ensure drawdown of groundwater within the street supporting layers.

Existing Pavement:

Due to past construction methods and patching of the existing pavement, thicknesses are quite irregular along each roads length. Table C shown below shows the average existing roadway section on each street.

Table C: Existing Pavement Section			
2024 Maplewood Street Improvements			
East Shore Drive Area			
Street	From/To	Pavement Thickness (in)	Aggregate Thickness (in)
East Shore Drive (Pavement Rehab.)	Frost/East Shore Court	5.5	0
East Shore Drive (Full Recon.)	East Shore Court/Larpenteur	7.5	0
East Shore Court	East Shore Drive/Boat Launch	3.75	0
Adele Street	Frost/East Shore Drive	3.0	5
Walter Street	East Shore Drive/Gordon	2.5	8
Phalen Place	East Shore Drive/Dead-end	2.75	8
Gordon Avenue	Adele Street/Phalen Place	2.5	5
Ripley Avenue	East Shore Drive/Edward	3.0	5
Sophia Avenue (West)	East Shore Drive/Edward	3.0	8
Ide Street (Tee Area)	Sophia/Ripley	3.0	0
Sophia Avenue (Tee Area)	Birmingham/Clarence	5.5	3

*It should be noted some project streets lack an apparent aggregate base.

Geotechnical Conclusions:

Some of the project streets have an inadequate crown that allows water to pond in small depressions and scour the pavement surface. As the street ages, depressions in the pavement trap water, subjecting the pavement to freeze-thaw pop-outs and edge cracking. This deterioration eventually forms potholes over time.

Frost-sensitive soils have been discovered in a few locations throughout the project area. Under certain conditions, this can cause freeze-thaw damage to the roadway over time. If these soils are encountered during the construction process, it is recommended to remove and replace with a well-draining granular material. Based on soil boring results, it is recommended that a soil subcut with granular replacement be done on the following streets:

- East Shore Drive (East Shore Court to Larpenteur Avenue)
- Adele Street (Frost Avenue to Dead-End)
- Adele Street (Dead End to East Shore Drive)
- Walter Street
- Phalen Place
- Gordon Avenue
- Ripley Avenue
- Sophia Avenue (East Shore Drive to Edward Street)
- Sophia Avenue (Clarence to Birmingham)
- Ide Street (Ripley Avenue to Sophia Avenue)

The majority of the streets had a full depth pavement section originally installed in the 1960's, 1970's and 1980's. The pavement section is past the end of its useful life. The project streets have deteriorated to the point at which routine maintenance is no longer cost-effective or even possible in some situations.

Correcting the drainage problems on the streets, as well as constructing a new pavement section to the most current standards will allow for a high-quality, long-lasting roadway.

Existing Curb

During a rain event, concrete curb and gutter channels storm water runoff from streets, buildings and yards into the underground storm sewer system. This method of runoff conveyance is the most effective in preserving streets due to the following:

- Provides a concrete supporting edge for asphalt pavements, which prevents edge cracking.
- Channels runoff on a non-erodible surface, which prevents erosion of grassy boulevard edges and pavement during rain events.
- Contains vehicle traffic and plowing to the street, which eliminates damage to the boulevard turf.
- Reduces long-term costs of pavement maintenance.
- Provides an improved aesthetic appearance.

Existing concrete curb and gutter is present on the following streets:

- East Shore Drive (Frost Avenue to East Shore Court)
- East Shore Drive (East Shore Court to Larpenteur Avenue)
- East Shore Court (Boat Launch to East Shore Drive)

The existing curb on these streets varies greatly in condition, with East Shore Drive (East Shore Court to Larpenteur Avenue) being by far in the worst condition.

Existing concrete curb and gutter is not present on the following streets.

- Adele Street
- Gordon Avenue
- Walter Street
- Fenton Avenue
- Phalen Place
- Ripley Avenue
- Sophia Avenue
- Ide Street

Existing Utilities

Sanitary Sewer:

The majority of the sanitary sewer in the project area was installed in 1950's, 1960's and 1970's as residential properties were developed. The sewer mains consist of 8" and 10" vitrified clay pipe (VCP). The project lies within Maplewood's sanitary sewer Districts 21 & 26. The sewage from properties within District 21 flows west through a series of pipes and then discharges into the Metropolitan Council sewer interceptor which runs along Highway 61. The sewage from properties within District 26 flows southeast through a series of pipes then discharges into the Metropolitan Council sewer interceptor which runs along the Bruce Vento Trail. During the sanitary sewer main inspection in 2022, Maplewood Public Works crews noted no significant issues with the sanitary sewer main or structures on any of the project streets. There were quite a few sewer services that were identified to have significant root intrusion. Some of these had roots extending into the mainline.

Water Main:

Within the municipal sector, cast iron pipe for water main was installed starting in the early 1900's to around the early 1970's. The installation of the pipe within this region was stopped toward the end of the 1970's, due to its susceptibility to break and leak as it aged. When cast iron pipe ages it corrodes and becomes more brittle and susceptible to failure, whereas different types of pipe materials such as plastic (HDPE or C900) and ductile iron are more resistant due to the flexibility of the material. Under most scenarios, common practice is to replace all cast iron pipe under the roadway and leave in place ductile iron pipe when reconstructing a street. The water main on the project streets is currently a combination of ductile iron pipe and cast iron pipe depending on the street and era it was constructed in.

The water main piping within the East Shore Drive area is owned and maintained by St. Paul Regional Water Services (SPRWS). SPRWS records indicate existing water main pipe is cast iron on the following streets:

- Adele Street (East Shore Drive to ~200-feet north of Gordon Avenue)
- Gordon Avenue (Adele Street to Ripley Avenue)
- Ripley Avenue (Gordon Avenue to Edward Street)
- Sophia Avenue (Clarence Street to Birmingham Street)
- Ide Avenue (Sophia Avenue to Ripley Avenue)

The rest of water main on the project is ductile iron and has been identified by SPRWS to be in good condition.

Storm Sewer and Drainage:

The East Shore Drive area part of the project lies within the Ramsey-Washington Metro Watershed District (RWMWD). As seen in Exhibit 5, the project area contributes runoff to the Lake Phalen Subwatershed. The water within the Lake Phalen Subwatershed ultimately flows south through a series of sub-watersheds where it finally discharges into the Mississippi River.

On streets with existing concrete curb and gutter, with the exception of East Shore Drive along Lake Phalen, staff noted only minor deficiencies during the storm sewer inspection performed in the fall of 2023. Some of the minor deficiencies observed include the deterioration of a few block storm sewer structures, failed structure adjustment rings, and broken inlet castings.

On streets without concrete curb or adequate storm sewer systems, there have been a number of drainage issues reported by area residents. During larger storm events, current inlet and pipe capacity is not great enough in some areas, resulting in flooding of the street & some yards for a period of time. Erosion of pavement edges and icing of the streets due to absence of a storm sewer system and lack of concrete curb is also of concern.

The Ramsey Washington Metro Watershed notified the City of a potential flooding issue in the neighborhood related to the wetland which lies just north of Lake Phalen and between East Shore Drive and Adele Street. Barr Engineering Co. has put together a feasibility study for the watershed and laid out a few different options to reduce the potential for flooding of adjacent building structures given the more frequent, intense rainfalls the region has received in recent years. The City of Maplewood will work with the Watershed District and Barr to incorporate these drainage improvements into the project plans.

Proposed Improvements

Living Streets – Street Widths, Sidewalks, and Geometrics

The City of Maplewood adopted a Living Streets Policy in January of 2013. The high-level goals of the policy include the following:

- Encourage people to travel by walking or bicycling
- Enhance the safety and security of streets
- Maximize the infiltration of storm water
- Improve the quality of storm water runoff
- Enhance the urban forest
- Reduce life cycle costs
- Create aesthetically appealing neighborhoods

Overall, the policy promotes narrower streets, traffic calming features, pedestrian walkways where feasible, improved street aesthetics, water quality improvements and additional boulevard trees. Standard design templates for local streets were included as part of the policy and are attached in Exhibit 6.

A 26 to 30-foot street width (measured from face of curb to face of curb) is typically utilized on local neighborhood streets. This street width has proven to be adequately wide to accommodate traffic lanes, vehicle parking on one side of the street, and space for local pedestrians and bicyclists. This new width often also reduces the amount of impervious surface and pavement that needs to be maintained in the future.

On streets where all new concrete gutter is proposed, implementation of the Living Streets Policy is recommended. Staff are recommending the following street widths for the East Shore Drive area.

Table D: Proposed Street Widths			
2024 Maplewood Street Improvements			
East Shore Drive Area			
Street	From/To	Proposed Width (ft.)	Existing Width (ft.)
Adele Street	East Shore Drive/Cul-de-sac	26	27
Adele Street	Frost Avenue/Dead-end	28	30
East Shore Court	East Shore Drive/Park area	26	26
East Shore Drive	Frost Avenue/East Shore Court	36	36
East Shore Drive	East Shore Court/Sophia Avenue	26	30
East Shore Drive	Sophia Avenue/Larpenteur Avenue	26	30
Fenton Avenue	Walter Street/Phalen Place	28	29
Gordon Avenue	Adele Street/Phalen Place	24	24
Ide Street	Sophia Avenue/Ripley Avenue	28	29
Phalen Place	Frost Avenue/Sophia Avenue	28	28
Phalen Place	Sophia Avenue/Dead end	24	24
Ripley Avenue	East Shore Drive/Gordon Avenue	24	24
Ripley Avenue	Gordon Avenue/Edward Street	26	28
Sophia Avenue	Birmingham Street/Clarence Street	28	28
Sophia Avenue	East Shore Drive/Edward Street	28	28
Walter Street	Frost Avenue/Gordon Avenue	28	30

It should be noted that, due to existing grades of driveways, boulevards and the proximity of retaining walls and trees to the streets throughout the neighborhood, staff have matched the proposed street widths as closely as possible to the existing street widths. A significant narrowing of the street on East Shore Drive Between East Shore Court and Larpenteur Avenue to 26-feet is proposed due to promote slower vehicle speeds, reduce impervious surfaces adjacent to the lake, provide additional boulevard space between the street and regional Lake Phalen Trail, and allow for additional space for the future widening of the Lake Phalen Regional Trail (a goal of Saint Paul Parks and Recreation). Exhibit 7 is attached and details the streets widths for the neighborhood.

Street Reconstruction Means & Methods

This project will have a combination of different construction methods (pavement rehabilitation & full reconstruction) used depending on the existing conditions of the subject street. In general, those streets where all new concrete curb and gutter is proposed will receive a full reconstruction. Those streets with concrete curb and gutter that is in good condition and only requiring spot replacement are proposed to receive a pavement rehabilitation type improvement. Exhibit 2 shows which streets are proposed for full reconstruction and pavement rehabilitation.

Pavement Rehabilitation:

Due to the severity and frequency of pavement failures, presence of quality aggregate base

material, acceptable subgrade soils, concrete curb and gutter and the good condition of underlying utilities, staff are recommending the following improvements be made on pavement rehabilitation streets.

- Full depth reclamation (grinding/mixing) of pavement and underlying aggregate base.
- Removal of excess reclaim material to account for the new pavement section.
- Installation of new bituminous pavement over reclaimed aggregate base material.
- Replacement of subgrade soils on an as needed basis.
- Spot replacement of structurally deteriorated concrete curb and gutter.
- Minor repairs to utilities.
- Restoration of disturbed driveways and boulevards.

Full depth reclamation (FDR) is a process where a large machine grinds and mixes the existing pavement with the underlying aggregate material to form a new homogenous base material to support the road. After the road has been reclaimed, the excess material will be removed to make room for the new pavement section. The road will then be reshaped and compacted to provide adequate drainage to the adjacent curbs. Lastly, the new bituminous pavement is installed in separate layers.

Full Reconstruction:

Full reconstruction involves fully removing and replacing the existing roadway section and making utility improvements as necessary. This method is often utilized in conjunction with significant utility improvements.

Due to the severity and frequency of pavement failures, lack of sufficient aggregate base material, poor quality/frost susceptible subgrade soils, and the poor condition of existing utilities (or a lack thereof), Staff are recommending the following improvements be made on full reconstruction streets.

- Full removal and replacement of pavement and aggregate base.
- Installation of new bituminous pavement over aggregate base.
- A sand sub-cut for replacement of frost susceptible soils where necessary.
- Geotextile fabric for separation between subgrade and granular material
- Installation of drain tile at all low points to promote subsurface drainage.
- Installation of all new concrete curb and gutter.
- Replacement and expansion of utilities.

Concrete Curb and Gutter

Based on preliminary site visits, some project streets have existing concrete curb and gutter while others lack it completely. Because of this difference, methods of replacement will vary.

Spot Replacement:

Damaged sections of curb often result in standing water in the curb-line or the road edge, which causes further damage to the road pavement over time. Based on an initial site investigation, staff have estimated that about 65% of the existing concrete curb and gutter would need to be replaced, with East Shore Drive between Larpenteur Avenue and East Shore Court being the majority contributor.

Staff are recommending that only structurally deficient portions of the existing concrete curb and

gutter be removed and replaced on the following project street segments.

- East Shore Drive (Frost Avenue to East Shore Court) (20% needing replacement)
- East Shore Court (20% needing replacement)

During construction, a city project representative will determine which sections of concrete curb and gutter will need to be removed and replaced.

Staff recommend that all of the concrete curb and gutter on East Shore Drive (East Shore Court to Larpenteur Avenue) be removed and replaced due to its poor condition, along with the proposed narrowing of the roadway.

New Curb Installations:

Staff recommend installing all new machine placed B618 barrier concrete curb and gutter, as shown in Exhibit 8, on the streets below:

- Adele Street
- Gordon Avenue
- Walter Street
- Phalen Place
- Fenton Avenue
- Ripley Avenue
- Sophia Avenue
- Ide Avenue
- East Shore Drive (East Shore Court to Larpenteur Avenue)

B618 concrete curb and gutter has been Maplewood's standard curb and gutter for its streets since the early 2000's. This curbing provides the following advantages:

- Provides a defined area for storm water to flow without damaging the bituminous roadway or causing erosion to boulevard.
- Provides concrete edge to support the street pavement.
- Establishes a definite limit to vehicle encroachment onto the boulevard areas, minimizing rutting of grass areas and reducing the probability of vehicles sliding off the roadway under unfavorable pavement and weather conditions.
- Protects the grass boulevard areas and mailboxes from damage by snowplows.
- Curb depressions at driveways provide clear identification of the driveways and limits blockage of driveways by vehicles parking on the street.

Knockdowns would be installed at all driveway openings for smooth vehicle transitions into the driveway.

Pedestrian Improvements

Sidewalks:

Staff reviewed the City's Comprehensive Plan, Parks Master Plan, and Living Streets Policy to see what additional guidance these documents could provide for sidewalks and trails in the project area. These guiding documents did not call for any additional sidewalks or trails within the project area. After considering all of this information, along with the feedback heard from residents, staff is not recommending any new sidewalks be installed as a part of the project.

Pedestrian Ramps & Crossings:

Staff will review all existing pedestrian crossing points and evaluate the need for upgrades or additional crossings based on current American's with Disabilities Act (ADA) requirements and the City of Maplewood's Crossing Policy.

Storm Sewer

Some project streets lack an adequate storm sewer system, while others have an effective system currently in place.

New Storm Sewer System:

Storm sewer piping and inlet capacity is very limited and lacking on some project streets. Staff recommend installing new storm sewer systems on the following street segments.

- East Shore Drive (East Shore Court to Larpenteur Avenue)
- Adele Street
- Gordon Avenue (Walter Street to Phalen Place)
- Ripley Avenue (East Shore Drive to Phalen Place)
- Fenton Avenue
- Walter Street (Fenton Avenue to Gordon Avenue)
- Ide Street (Sophia Avenue to Ripley Avenue)
- Sophia Avenue (Birmingham Street to Clarence Street)

New storm sewer systems also provide the opportunity to incorporate water quality and volume reduction best management practices (BMP's) during reconstruction of the project streets. Some BMP's options would include; bio-filtration basins (rain gardens), underground filtration basins and sump manholes. BMP's improve the quality of water entering area water bodies and better control the rate of storm water runoff in the area. BMP's will be designed to meet Ramsey Washington Metro Watershed District (RWMWD) and City of Maplewood requirements.

Existing System Repairs:

The existing storm sewer system on the following streets is functional and in good condition. Staff recommend leaving the existing storm sewer system in place on these streets and only making repairs as necessary.

- Phalen Place (Frost Avenue to dead-end)
- Sophia Avenue (Edward Street to East Shore Drive)
- East Shore Court
- East Shore Drive (Frost Avenue to East Shore Court)

Water Main

St. Paul Regional Water Services (SPRWS) provides water service to the East Shore Drive neighborhood. SPRWS has looked at the condition and age of its existing water main system under the project streets. At this time, they are recommending replacement of roughly 2,600-feet of existing cast-iron water main on the following streets.

- Adele Street (East Shore Drive to ~200-feet north of Gordon Avenue)
- Gordon Avenue (Adele Street to Ripley Avenue)
- Ripley Avenue (Gordon Avenue to Edward Street)

- Sophia Avenue (Clarence Street to Birmingham Street)
- Ide Avenue (Sophia Avenue to Ripley Avenue)

The remainder of the water main within the East Shore Drive area is ductile iron and is in good condition.

SPRWS is also proposing to install sacrificial anodes on all new water mains in the project area at roughly 200-foot intervals. Sacrificial anodes improve the corrosion resistance of the water mains they are attached to.

Sanitary Sewer

City of Maplewood Sanitary Sewer Department performed pipe and manhole inspections in 2021 & 2022 for the East Shore Drive area project streets. Based on the results of the reports, all existing sanitary sewer main pipes and manholes are in good condition where open trench replacement or spot repairs are not needed. However, staff are recommending two sections of sewer main on Phalen Place be lined with an epoxy resin material as a part of the project.

Staff recommend replacing outdated sanitary sewer castings throughout the project area. Replacement of these castings with the new standard will reduce storm water inflow & infiltration (I & I) into the sanitary sewer system. Reducing storm water inflow and infiltration into the sanitary sewer system reduces the amount of storm water conveyed to the Metropolitan Council Wastewater treatment plant, which is a top priority of the City and Metropolitan Council.

Staff also recommend replacing any sanitary sewer services that need repair within the public right-of-way. Repair of these services would reduce the need for future utility cuts into the new street.

Lighting

Staff will reference the City's Street Lighting Policy to determine if additional street lighting is necessary. Street lights are installed for navigational and traffic safety purposes only, typically at street intersections, dead-ends, or major curves in the road.

Private Utilities

Private utility companies (Xcel Gas, Xcel Electric, CenturyLink/Lumen, Comcast/Xfinity, etc.) have been notified of the project and the potential impacts to private utilities. Staff will continue to coordinate with private utility companies as the project progresses.

Erosion Control

As part of the project plans and specifications, staff are required to prepare a storm water pollution prevention plan (SWPPP) for the purposes of enforcing erosion and sediment control rules. The SWPPP will include erosion and sediment control methods that will be implemented throughout the project. Silt fence, bio-rolls, erosion control blanket, and other best management practices (BMP's) will be utilized where direct runoff might occur. Inlet protection will be used to protect both the existing and new catch basins during construction. Street sweeping will occur as needed on all paved street surfaces throughout the project, including intersecting streets. Watering of exposed soils and aggregate material would be done as a dust-control measure. An erosion and sediment control plan sheet and SWPPP will be created during the design phase of this project. After street and utility work is completed, sod or seed will be placed as the permanent turf establishment in all

disturbed areas. The City, in coordination with the watershed district, will closely monitor all erosion and sediment control measures throughout the construction process. The selected contractor will be required to install all preventative measures and maintain them as required by the City of Maplewood, Ramsey-Washington Metro Watershed District (RWMWD), Minnesota Pollution Control Agency (MPCA), and any other regulatory agencies.

Traffic Control and Access

The project will be constructed under through-traffic conditions. A construction project of this magnitude will result in some inconvenience and disruption to local traffic. Staff will work with the businesses, residents, general contractor, and the traffic control subcontractor to ensure disruptions are kept to a minimum.

Accesses with concrete curb or concrete driveway apron replacements will not be able to use driveway entrances during the concrete curing period, which typically lasts from 3 to 7 days depending on which concrete mix is used and curing conditions. During the concrete curing period for lower volume driveways residents will be asked to park on a nearby adjacent street or on their street where room is available. Higher volume driveways, such as business entrances, will be constructed in halves when possible to allow for uninterrupted flow of traffic. Temporary driveway entrances may be needed in some circumstances.

Access for emergency vehicles will be available 24 hours a day throughout the project. During short periods of time, some segments of the project may not be passable while certain work is being executed. In these instances, an alternative route and access would be available from another direction. Streets and accesses will be reopened at the end of the working day.

Additional Project Improvements

Neighborhood Fog Seal:

To extend the life of bituminous pavement in previously reconstructed neighborhoods, it is proposed that a fog seal be applied to the existing street pavement surface. As part of this work, past improvements projects will be reviewed to determine which area or areas will benefit the most from a fog seal. A fog seal helps extend the useful life of the pavement by replenishing oils lost over time in the upper layer of the pavement. This seal micro-cracks in the surface, which prevents water intrusion, along with restoring some flexibility to the pavement. Fog seals typically extend the total life of bituminous pavements by 3-5 years.

Sanitary Sewer Lining:

To extend the life of the existing sanitary sewer system, it is proposed that sewer lining be applied to problematic mains in miscellaneous locations throughout the city. Sewer lining helps increase the design life of sewer pipes by impregnating the pipes with an epoxy resin. The lining resin provides the following benefits; better resistance to corrosive substances, increased pipe bearing strength, prevents root intrusion/infiltration, prevents groundwater intrusion, repairs settled/offset joints and reduces long term maintenance and repair costs. As part of this project, the sanitary sewer system throughout the City will be reviewed to determine which mains will benefit the most from sewer lining. A length of 3,400 linear feet of sanitary sewer lining is included in the cost estimate for this feasibility report.

CYPRESS-MAPLEWOOD DRIVE AREA

Adele Street, Connor Avenue, Cypress Street, Demont Avenue, Duluth Street, Edgehill Court, English Street, Hilltop Court, Maplewood Drive, Sextant Avenue

Introduction

On July 24, 2023, the Maplewood City Council ordered the preparation of a feasibility study for the 2024 Maplewood Street Improvements. The project includes two different areas, the East Shore Drive area and the Cypress-Maplewood Drive area. The total length of streets to be improved is 4.30 miles. This project is a part of the 2024 – 2028 Maplewood Capital Improvement Plan (CIP). After review and approval from City Council, construction would begin in June of 2024. A map of the two project areas is shown in Exhibit 1.

The Cypress-Maplewood Drive area is 1.97 miles in length and is generally bounded by Beam Avenue to the north, Keller Parkway to the west, Gervais Avenue to the south, and Hazelwood Avenue to the east. A map showing what type of improvement each street is proposed to receive is shown in Exhibit 2.

The existing street pavement and aging utility infrastructure in the Cypress-Maplewood Drive area of the project presents an ongoing maintenance problem for the Maplewood Street and Utility Departments. Of the infrastructure elements the city maintains, the bulk of the maintenance activities consist of patching the roadway, crack sealing, filling potholes, and maintaining the aging utility infrastructure.

Correspondence

On July 24, 2023, the Maplewood City Council ordered the preparation of a feasibility study for the 2024 Maplewood Street Improvements. On August 1, 2023, a letter was mailed to the residents in the project areas to provide information on the council's action and to notify them about preliminary engineering activities would begin during the fall of 2023.

Staff mailed informational packets to impacted residents on November 30, 2023. The packet informs project residents about a number of topics including; street construction frequently asked questions (FAQ), informational assessment handout and the Neighborhood Meeting #1 Invitation.

The first informational neighborhood meeting was held virtually on December 13, 2023. Staff mailed out the invitation to 141 property owners affected by the construction project with approximately 6 attending the meeting. The meeting included a presentation followed by a question and answer session. Items discussed at this meeting included the public improvement process, construction process, existing conditions, proposed improvements, assessment information, and an estimated project timeline. The majority of the conversation revolved around impacts to utilities, property access during construction, current pavement conditions, general construction process, proposed improvements, drainage concerns, speeding concerns, street lights, potential tree impacts and assessments. Staff posted the meeting minutes and the presentation slides on the project website for residents to view.

On December 20, 2023, residents were mailed an informational letter on how to access and use the InputID tool, which is located on the project website. Staff have received a number of questions and comments about the project on this online tool. Staff will continue to monitor these comments throughout design.

Additional neighborhood meetings and stakeholder correspondence are planned throughout the public improvement process to continue conversations with area residents and to ensure that everyone affected by the potential project is well informed and has had multiple chances to provide input. The second neighborhood meeting is scheduled prior to the public hearing. The timing of this meeting provides residents with the opportunity to hear about the latest project developments and to have their questions answered prior to the public hearing.

Property Owner Concerns

Speeding:

A few comments were received from residents about the frequency of speeding vehicles along Maplewood Drive. Staff will look at options during design to promote lower speeds. Typically, with a pavement rehabilitation project this is limited to narrowing lane striping to make the roadway feel more constricted. The City also can use its mobile speed display sign to help grab the driver's attention to their current speed. Enforcement by the Police Department is another tool that can help with the more unreasonable drivers.

Drainage:

Staff received a few drainage concerns at Neighborhood Meeting #1 as well as through the InputID web tool. Staff will address these where possible as part of the project design.

Existing Conditions

Street History

The project streets were constructed in the 1980's and 1990's as water and sewer was extended to the area to service properties. After the 1990's, a few smaller projects were conducted in the area focused on maintaining street pavement, replacing failing utilities and adding new utilities to facilitate development.

The majority of the streets included in the project are classified as local streets. Local streets provide conveyance for vehicle traffic between properties and nearby higher traffic highway, arterial, or collector type streets such as Highway 61 and County Road C. The majority of the project streets carry traffic volumes less than 1,000 vehicles per day, with Maplewood Drive being the only exception. All streets are currently signed 30 MPH. It should be noted, there are a few businesses such as car dealerships and large warehouses along Maplewood Drive that utilize large semi-trucks to conduct business. The additional heavy commercial vehicles will need to be accounted for when designing the Maplewood Drive pavement section.

Widths of existing streets vary slightly and are somewhat irregular with respect to their lengths. Table A summarizes the average widths of all existing streets within the scope of this study. The averages are based on new topographic data taken in 2023 and measurements along each street length. Where concrete curb and gutter is present, widths are measured from toe-of-curb to toe-of-curb. Where concrete curb and gutter is not present, widths are measured from the edges of the asphalt pavement.

Table A: Existing Street Widths		
2024 Maplewood Street Improvements		
Cypress-Maplewood Drive Area		
Street	From/To	Average Width (ft.)
Adele Street	Demont Avenue/Sextant Avenue	30
Connor Avenue	Highway 61/Maplewood Drive	33
Cypress Street	Connor Avenue/Gervais Avenue	30
Demont Avenue	Cypress Street/Adele Street	30
Duluth Street	Connor Avenue/County Road C	33
Edgehill Court	Duluth Street/Cul-de-sac	28
English Street	County Road C/Cul-de-sac	30
Hilltop Court	Duluth Street/Cul-de-sac	30
Maplewood Drive	Highway 61/Gervais Avenue	33
Sextant Avenue	Adele Street/Cypress Street	30

Pavement Condition

The streets associated with the Cypress-Maplewood Drive area of the project have a combined length of approximately 1.97 miles, and were most recently condition rated in 2021. The Pavement Condition Index (PCI) method was used to determine the condition of the project street pavement. The PCI method of rating pavement is based on a visual survey of the pavement and is a number between 0 and 100 indicating the condition of a roadway, with zero being the worst possible pavement condition and 100 being the best possible condition (i.e. a new road). The PCI method was developed by the United States Army Corps of Engineers and is widely used in asset management and transportation civil engineering. It is the City’s general goal to have 75-percent of local streets at a rating of 70 or above.

According to the pavement condition survey, the project streets have a weighted average PCI rating of 33. A summary of the street segments and their corresponding PCI ratings are shown in Table B.

Table B: Pavement Condition Index (PCI)			
2024 Maplewood Street Improvements			
Cypress-Maplewood Drive Area			
Street	From/To	Feet	2022 PCI
Adele Street	Sextant Avenue/Demont Avenue	627	32
Connor Avenue	Highway 61/Duluth Street	539	30
Cypress Street	Sextant Avenue/Demont Street	660	34
Cypress Street	Demont Avenue/Connor Avenue	521	58
Cypress Street	Gervais Avenue/Sextant Avenue	565	41
Demont Avenue	Cypress Street/Adele Street	315	31
Duluth Street	Connor Avenue/Edgehill Court	745	49
Duluth Street	Edgehill Court/Hilltop Court	216	52
Duluth Street	Hilltop Court/County Road C	267	47
Edgehill Court	Duluth Street/Cul-de-sac	532	22
English Street	Cul-de-sac/County Road C	673	21
Hilltop Court	Duluth Street/Cul-de-sac	320	24
Maplewood Drive	County Road C/Kohlman Avenue	916	36
Maplewood Drive	Gervais Avenue/Connor Avenue	2058	42
Maplewood Drive	Kohlman Avenue/Highway 61	1164	28
Sextant Avenue	Cypress Street/Adele Street	322	31
Total Length (Miles) =		1.97	
Weighted Average 2022 PCI =			33

The existing streets have failures including, but not limited to, transverse and edge cracking, medium to high severity patching, fatigue (alligator) cracking, severe block cracking, and potholes. A number of areas within the street section have water pooling in them as well. These puddles undergo freeze thaw cycles in the winter, which deteriorates the pavement at a faster rate. Figures 1 - 8 on the following pages display pictures of the level of pavement deterioration on these streets. The pictures provide an accurate representation of the current state of pavement disrepair.

Cypress Street



FIGURE 1. D. TO THE CITY OF MARYLAND, DEPARTMENT OF TRANSPORTATION

Demont Avenue



Adele Street & Sextant Avenue Intersection



FIGURE 3: Pavement Condition of the Cypress-Maplewood Drive Area Streets

Maplewood Drive



FIGURE 4: Pavement Condition of the Cypress-Maplewood Drive Area Streets

English Street



FIGURE 5: Pavement Condition of the Cypress-Maplewood Drive Area Streets

Duluth Street



FIGURE 6: Pavement Condition of the Cypress-Maplewood Drive Area Streets

Edgehill Court



FIGURE 7: Pavement Condition of the Cypress-Maplewood Drive Area Streets

Hilltop Court



FIGURE 8: Pavement Condition of the Cypress-Maplewood Drive Area Streets

Geotechnical Summary

The City of Maplewood hired Braun Intertec to perform a geotechnical evaluation of the project streets to determine potential pavement maintenance or rehabilitation methods. Braun performed visual evaluation, pavement coring and hand auger borings in key areas of the project streets to determine the thickness of the pavement, aggregate base layer below and subgrade material composition. The geotechnical report has been attached in Exhibit 4.

Existing Pavement:

Due to past construction methods, the existing pavement section thickness is somewhat irregular along its entire length. Table C shown below shows the average existing roadway section.

Table C: Existing Pavement Section			
2024 Maplewood Street Improvements			
Cypress-Maplewood Drive Area			
Street	From/To	Pavement Thickness (in)	Aggregate Thickness (in)
Cypress Street	Connor/Gervais	4.75	8.5
Demont Avenue	Cypress/Adele	4.5	12
Adele Street	Demont/Sextant	4.75	8.5
Sextant Avenue	Cypress/Adele	3.5	9
English Street	County Road C/Cul-de-sac	4.25	7
Duluth Street	County Road C/Connor	4.25	16
Maplewood Drive (South)	Gervais/Connor	5.25	16
Connor Avenue	Highway 61/Duluth	4.5	9
Edgehill Court	Cul-de-sac/Duluth	4.25	7
Hilltop Court	Cul-de-sac/Duluth	2.75	12
Maplewood Drive (North)	Highway 61/County Road C	5	7.5

Some of the project streets have an inadequate crown that allows water to pond in small depressions and scour the pavement surface. As the street ages, depressions in the pavement trap water, subjecting the pavement to freeze-thaw pop-outs and edge cracking. This deterioration eventually forms potholes over time.

The report notes surface distresses including patching, longitudinal and transverse cracking, fatigue cracking, and widespread pavement breakup with potholes on nearly all project streets. Many of the pavement cores show signs of pitting of the bituminous material, especially those within the neighborhood streets. This condition is known as “stripping”, which is the deterioration of the bond between the asphalt and aggregate which is primarily due to the presence of moisture. Pavement stripping is evident at both the top and bottom of the pavement section.

Existing Curb

During rain events, concrete curb and gutter channels storm water runoff from streets, buildings and yards into the underground storm sewer system. Concrete curb and gutter is effective in preserving streets due to the following:

- Provides a concrete supporting edge for asphalt pavements, which prevents edge cracking.

- Channels runoff on a non-erodible surface, which prevents erosion of grassy boulevard edges and pavement during rain events.
- Contains vehicle traffic and plowing to the street, which eliminates damage to the boulevard turf.
- Reduces long-term costs of pavement maintenance.
- Provides an improved aesthetic appearance.

Existing concrete curb and gutter is present on all project streets. Curb and gutter on the streets is in relatively good condition, with about 20% structurally damaged to the extent that it should be removed and replaced with new curbing.

Existing Utilities

Sanitary Sewer:

The majority of the sanitary sewer main in the project area was installed in 1960's, 1970's and 1980's as residential and commercial properties were added to the area. These sewer mains consist of 8" pipe, varying in material from vitrified clay pipe (VCP) to polyvinyl chloride (PVC) pipe. The project lies within Maplewood's sanitary sewer Districts 14, 16, 17 and 18. The sewage from the properties within these districts flows towards Highway 61 where it discharges into the Metropolitan Council sewer interceptor which runs along Highway 61. During the sanitary sewer main inspection in 2022, Maplewood Public Works crews noted no significant issues with the sanitary sewer main on any of the project streets.

Water Main:

Within the municipal sector, cast iron pipe for water main was installed starting in the early 1900's to around the early 1970's. The installation of the pipe within this region was stopped toward the end of the 1970's, due to its susceptibility to break and leak as it aged. When cast iron pipe ages it becomes more brittle and susceptible to failure, whereas different types of pipe materials such as plastic (HDPE, C900, etc...) and ductile iron are more resistant due to the flexibility of the material. Under most scenarios, common practice is to replace all cast iron pipe under the roadway and leave in place ductile iron pipe when reconstructing a street.

The water main piping within the Cypress-Maplewood Drive area is owned and maintained by St. Paul Regional Water Services (SPRWS). SPRWS records indicate all existing water main piping is ductile iron and in good condition.

Storm Sewer and Drainage:

The Cypress-Maplewood Drive area of the project lies within the Ramsey-Washington Metro Watershed District (RWMWD). As seen in Exhibit 5, the project area contributes runoff to the Kohlman Lake and Keller Lake sub-watersheds. These sub-watersheds ultimately discharge into the Mississippi River.

Staff noted no major deficiencies during the storm sewer inspection performed in the fall of 2023. Some minor deficiencies were observed though. These included a few deteriorating block storm sewer structures, failed structure adjustment rings and broken inlet castings.

Proposed Improvements

Street Reconstruction Means & Methods

Due to the severity and frequency of pavement failures, presence of good quality aggregate base material, suitable subgrade soils, presence of concrete curb and gutter and relatively good condition

of underlying utilities, staff are recommending all streets within the Cypress-Maplewood Drive area receive pavement rehabilitation type improvements. Pavement rehabilitation type improvements generally include:

- Full depth reclamation (grinding/mixing) of pavement and underlying aggregate base.
- Removal of excess reclaim material to make room for the new pavement section.
- Installation of new bituminous pavement over reclaimed aggregate base material.
- Replacement of subgrade soils on an as needed basis.
- Spot replacement of concrete curb and gutter.
- Minor repairs to utilities.

Full depth reclamation (FDR) is a process where a large machine grinds and mixes the existing pavement with the underlying aggregate material to form a new homogenous base material to support the road. After the road has been reclaimed, the excess material will be removed to make room for the new pavement section. The road will then be reshaped and compacted to provide adequate drainage to the adjacent curbs. Lastly, the new bituminous pavement is installed in separate layers to a specified thickness.

Based on the coring & aggregate base report it appears all streets in the project area have a sufficient ratio of bituminous pavement to aggregate base material for a 10" depth reclamation. It is recommended to perform a 10" depth reclamation on all project streets.

Concrete Curb and Gutter

All streets within the Cypress-Maplewood Drive area of the project have existing concrete curb and gutter. Based on an initial site investigation, staff estimate only 20% of the existing concrete curb and gutter would need to be replaced. Staff are recommending that only structurally deficient portions of the existing concrete curb and gutter be removed and replaced on all the Cypress-Maplewood Drive area streets. During construction, a city project representative will determine which sections of concrete curb and gutter will need to be removed and replaced.

Pedestrian Improvements

Staff will review any existing pedestrian curb ramps and crossings and evaluate the need for upgrades based on current American's with Disabilities Act (ADA) requirements and the City of Maplewood's Crossing Policy.

Staff are not recommending any new sidewalks be installed as part of this project.

Utility Upgrades and Repairs

The goal of this project is to rehabilitate the pavement surface and therefore does not include any major utility upgrades or repairs. Outdated storm sewer castings and sanitary sewer are proposed to be replaced along with the adjustment of all manholes and valves to the final pavement surface level.

A handful of storm sewer structures on Maplewood Drive and Duluth Street have a history of structural failures. As a part of this project the outdated and failing structures are proposed to be removed and replaced with modern precast concrete structures.

Lighting

Staff will reference the City's Street Lighting Policy to determine if additional street lighting is necessary. Street lights are installed for navigational and traffic safety purposes only, typically at street intersections, dead-ends, or major curves in the road.

Private Utilities

Private utility companies (Xcel Gas, Xcel Electric, CenturyLink/Lumen, Comcast/Xfinity, etc.) have been notified of the project and the potential impacts to private utilities. Staff will continue to coordinate with private utility companies as the project progresses.

Erosion Control

As part of the project plans and specifications, staff are required to prepare a storm water pollution prevention plan (SWPPP) for the purposes of enforcing erosion and sediment control rules. The SWPPP will include erosion and sediment control methods that will be implemented throughout the project. Silt fence, bio-rolls, erosion control blanket, and other best management practices (BMP's) will be utilized where direct runoff might occur. Inlet protection will be used to protect both the existing and new catch basins during construction. Street sweeping will occur as needed on all paved street surfaces throughout the project, including intersecting streets. Watering of exposed soils and aggregate material would be done as a dust-control measure. An erosion and sediment control plan sheet and SWPPP will be created during the design phase of this project. After street and utility work is completed, sod or seed will be placed as the permanent turf establishment in all disturbed areas. The City, in coordination with the watershed district, will closely monitor all erosion and sediment control measures throughout the construction process. The selected contractor will be required to install all preventative measures and maintain them as required by the City of Maplewood, Ramsey-Washington Metro Watershed District (RWMWD), Minnesota Pollution Control Agency (MPCA), and any other regulatory agencies.

Traffic Control and Access

The project will be constructed under through-traffic conditions. A construction project of this magnitude will result in some inconvenience and disruption to local traffic. Staff will work with the businesses, residents, general contractor, and the traffic control subcontractor to ensure disruptions are kept to a minimum.

Accesses with concrete curb or concrete driveway apron replacements will not be able to use driveway entrances during the concrete curing period, which typically lasts from 3 to 7 days depending on which concrete mix is used and weather conditions. For residential driveways, residents will be asked to park on a nearby adjacent street or on their street where room is available. Higher volume driveways, such as business entrances, will be constructed in halves when possible to allow for uninterrupted flow of traffic. Temporary driveway entrances may be needed in some circumstances. Notice before concrete work will be provided.

Access for emergency vehicles, mail, and garbage will be available 24 hours a day throughout the project. During short periods of time, some segments of the project may not be passable while certain work is being executed. In these instances, an alternative route and access would be available from another direction. Streets and accesses will be reopened at the end of the working day.

Project Cost

The estimated costs for the proposed improvements are detailed in the table on the following page. These costs include a 10% construction cost contingency and a 12% allowance for geotechnical, legal, and fiscal expenses.

Estimated Project Cost Summary		
Proposed Improvements	Total Amount	% of Total
Street Improvements	\$6,458,000	59%
Drainage Improvements	\$2,820,000	26%
Sanitary Sewer Improvements	\$430,000	4%
Water System Improvements	\$1,170,200	11%
Total Estimated Project Cost:	\$10,878,200	100%

Exhibit 9 provides a more detailed construction and project cost estimate breakdown.

Cost Recovery

Assessments:

An independent appraisal firm was hired to ascertain an opinion of special benefit received by properties within the neighborhood project areas. This information will ultimately be utilized to set the special benefit assessment amounts for the project area. For the purposes of this report, the rates established in the City’s Special Assessment Policy were utilized. There are 252 assessable residential and commercial parcels within the two areas. Exhibit 10 details the preliminary assessment roll. Exhibit 11 shows the preliminary assessment map for the project.

Based on the City of Maplewood’s Assessment Policy, parcels are assessed on an equal “unit” basis. Per Minnesota State Statute 429, the assessment amount cannot be greater than the benefit received by the property from the improvement. Therefore, the final special benefit assessment amounts will be established after reviewing the appraisal report. Adjustments to the financing plan may be required following the receipt of the special benefits appraisal. For the purposes of this report and establishing a preliminary financing plan, the preliminary assessment rates are as follows.

- Residential
 - Full Reconstruction Rate, Single Family Unit = \$6,600/Unit
 - Partial Reconstruction Rate, Single Family Unit = \$4,950/Unit
 - Pavement Rehabilitation Rate, Single Family Unit = \$3,450/Unit
 - Pavement Rehabilitation, Duplex Rate = \$1,955/Unit
- Commercial/Multi-Family
 - Pavement Rehabilitation Rate = \$69.00/Front-Foot

The improvements are proposed to be financed through Environmental Utility Fund, General Obligation (GO) Bonds, Sanitary Sewer Fund, Special Benefit Assessment, St. Paul Regional Water Services (SPRWS), Street Revitalization, Ramsey-Washington Metro Watershed District and Water Area Fund.

Estimated Project Cost Recovery		
Funding Source	Total Amount	% of Total
General Obligation (G.O.) Improvement Bonds	\$4,759,300	43%
Street Revitalization Fund	\$658,100	6%
Environmental Utility Fund	\$2,156,000	20%
Ramsey-Washington Metro Watershed District	\$125,000	1%
Sanitary Sewer Fund	\$430,000	4%
Water Area Fund (WAC)	\$83,400	1%
St. Paul Regional Water Services (SPRWS)	\$1,086,800	10%
Special Benefit Assessment	\$1,579,600	15%
Total Estimated Project Funding:	\$10,878,200	100%

The total estimated project cost is roughly \$58,000 higher than the approved CIP. This is due to higher than anticipated watermain replacement costs and drainage improvement costs at the feasibility level versus the CIP. These additional costs will be covered by contributions from Saint Paul Regional Water Services and the Ramsey-Washington Metro Watershed District. Overall bonding levels are estimated to be roughly \$34,000 less than the CIP estimate.

Schedule

The following schedule may be implemented should it be determined to proceed with the project:

Project Milestone	Date
Order Preparation of Feasibility Study	7/24/2023
Neighborhood Meeting #1 (Maplewood Drive-Cypress Area only)	12/13/2023
Neighborhood Meeting #1 (East Shore Drive Area only)	12/14/2023
City Council Meeting Accept Feasibility Study, Order Public Hearing, Authorize Preparation of Plans & Specifications	1/22/2024
Neighborhood Meeting #2 (East Shore Drive Area & Maplewood Drive-Cypress Area)	2/7/2024
City Council Meeting Public Hearing & Order Improvement	2/12/2024
City Council Meeting Approve Plans and Specifications, Authorize Advertisement for Bids, Authorize Preparation of Assessment Roll	3/25/2024
Bid Opening	4/19/2024
City Council Meeting Award Contract	5/13/2024
Neighborhood Meeting #3 (East Shore Drive Area only)	May 2024
Neighborhood Meeting #3 (Maplewood Drive-Cypress Area only)	May 2024
Begin Construction	June 2024
City Council Meeting Accept Assessment Roll & Order Assessment Hearings	8/12/2024
Neighborhood Meeting #4 (East Shore Drive Area & Maplewood Drive-Cypress Area)	9/4/2023
City Council Meeting Assessment Hearing and Adopt Assessment Roll	9/9/2024
Complete Construction	November 2024
Assessments Certified to Ramsey County	November 2024

Conclusions & Recommendations

From the results of the feasibility study and investigations, it can be concluded that:

- The project is feasible as it relates to general engineering principles, practices and construction procedures as it has been presented in this report.
- The project is necessary for economic and public welfare reasons.
- The project is cost effective when all the related costs are considered – environmental, maintenance, private, and public.
- The proposed improvement is necessary to maintain the city's infrastructure.

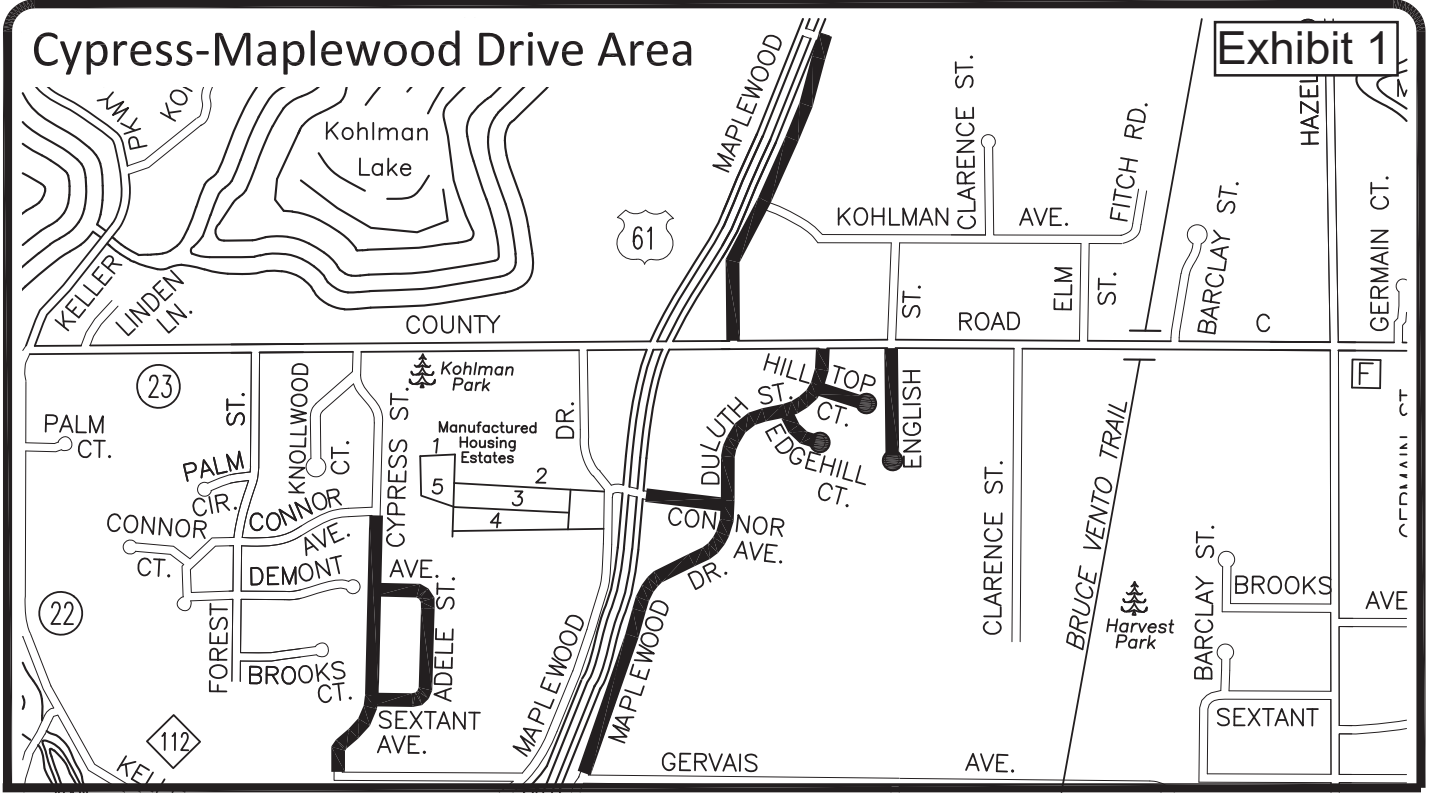
In consideration of these conclusions, it is recommended that:

- If the City Council deems the project feasible, a public hearing should be held as soon as possible.
- The proposed improvements should be constructed as outlined in this report.
- The cost of the improvements will be recovered through assessments to the benefited properties or parcels and through city finances.

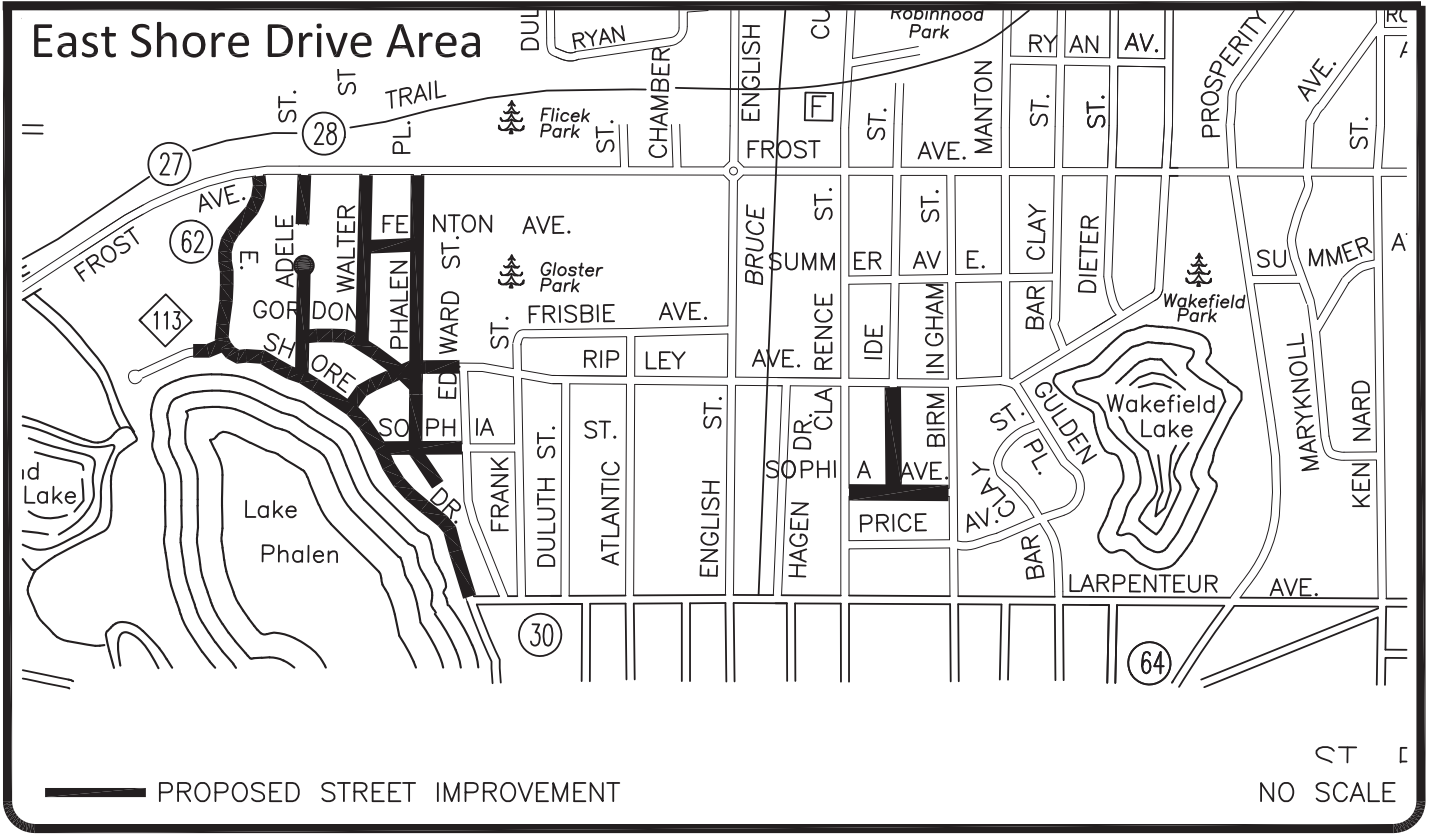
APPENDIX A

Cypress-Maplewood Drive Area

Exhibit 1



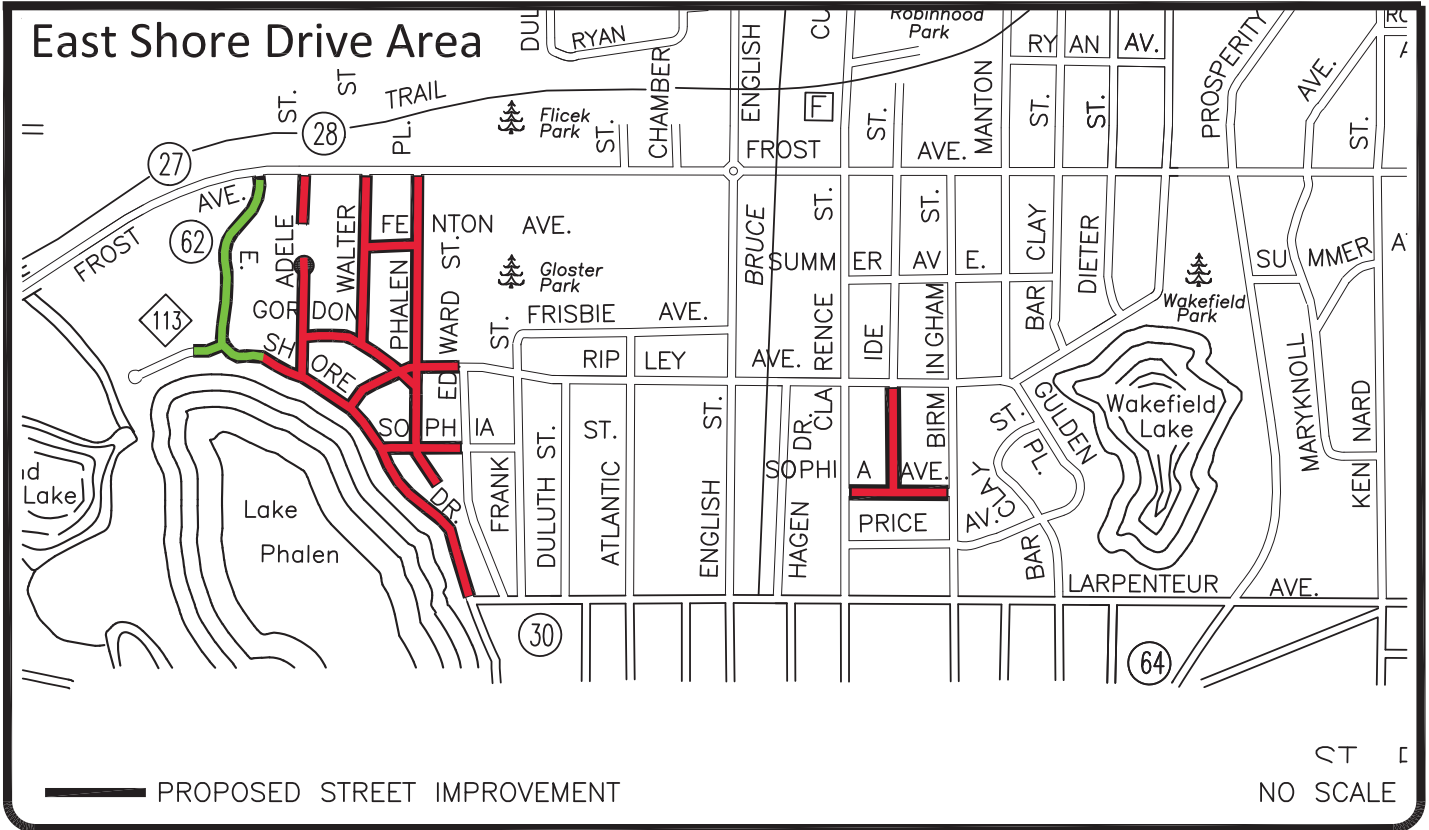
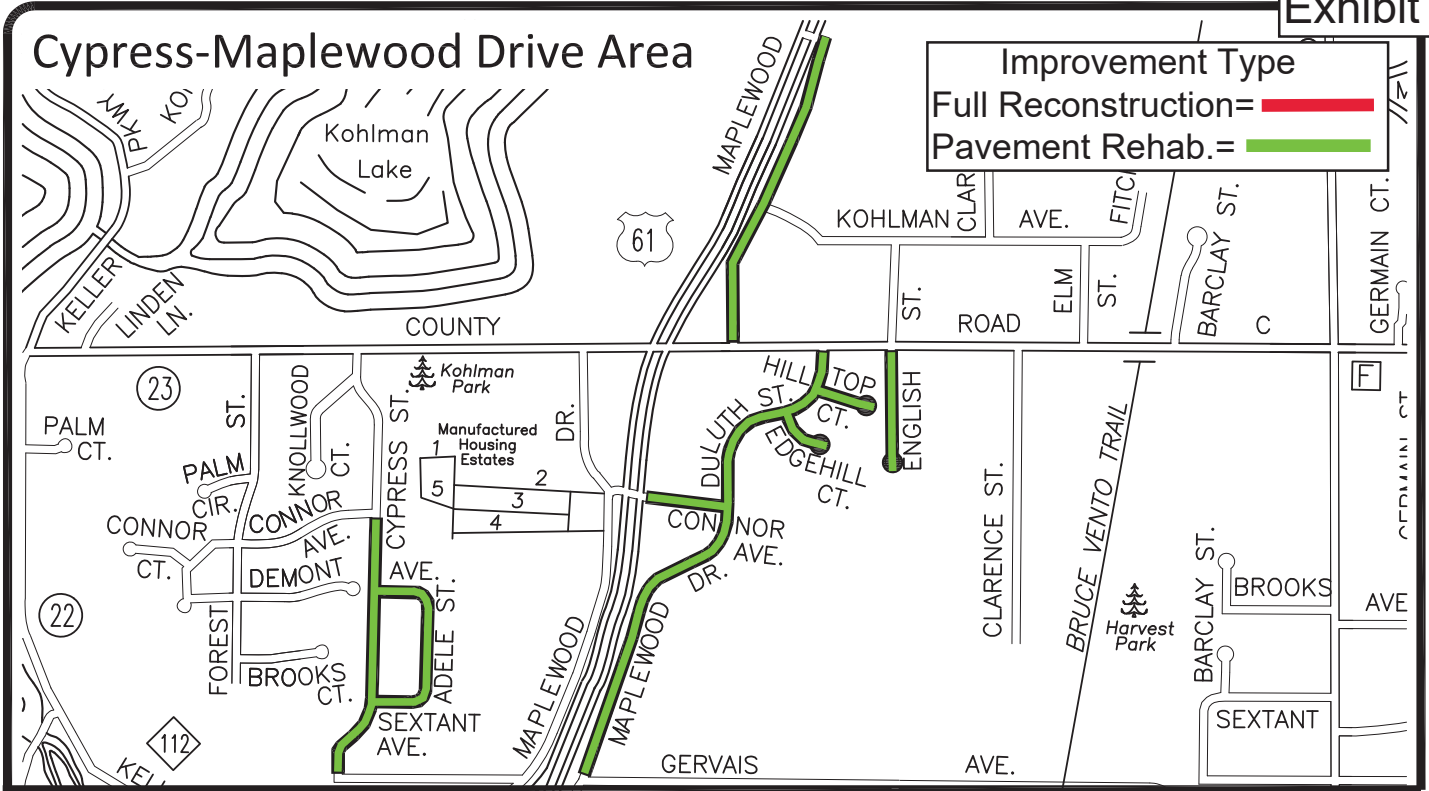
East Shore Drive Area



2024 Maplewood Street Improvements

City Project 23-08





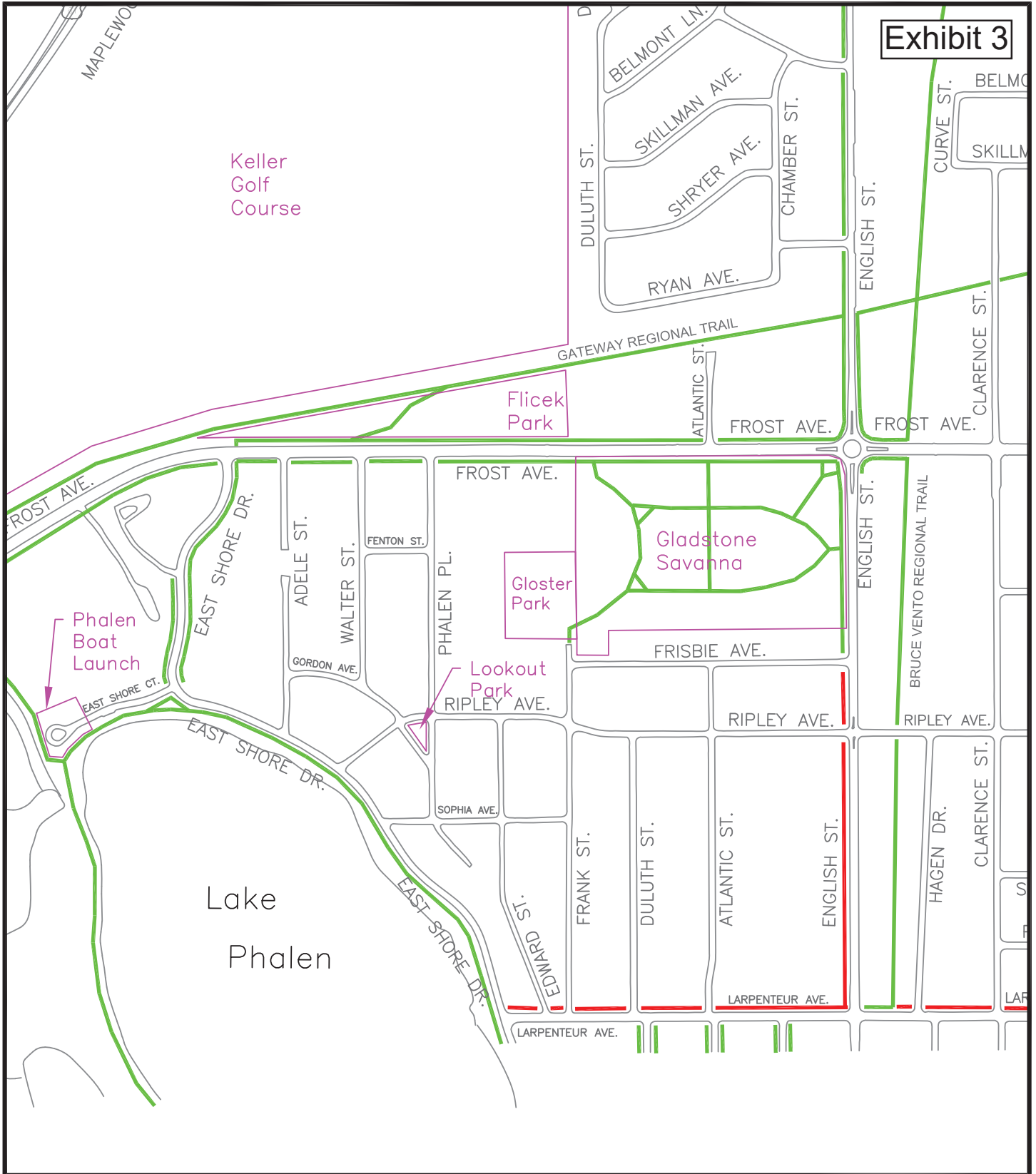
NO SCALE

2024 Maplewood Street Improvements

City Project 23-08



Exhibit 3



FEASIBILITY SIDEWALK LAYOUT

- █ EXISTING SIDEWALK/TRAIL
- █ PROPOSED SIDEWALK 2024
- █ FUTURE SIDEWALK/TRAIL
- DESTINATION LOCATIONS

Geotechnical Evaluation Report

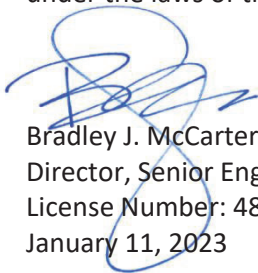
2024 Maplewood Street Improvements
City of Maplewood Project 23-08
East Shore Drive Area and Cypress-Maplewood Drive Area
Maplewood, Minnesota

Prepared for

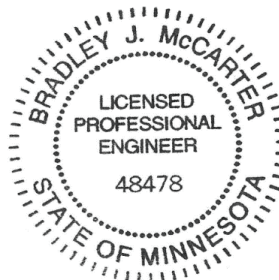
City of Maplewood

Professional Certification:

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.



Bradley J. McCarter, PE
Director, Senior Engineer
License Number: 48478
January 11, 2023



Project B2309463

Braun Intertec Corporation

January 11, 2023

Project B2309463

Mr. Tyler Strong
City of Maplewood
1902 County Road B East
Maplewood, MN 55109

Re: Geotechnical Evaluation
2024 Maplewood Street Improvements
City of Maplewood Project 23-08
East Shore Drive Area and Cypress-Maplewood Drive Area
Maplewood, Minnesota

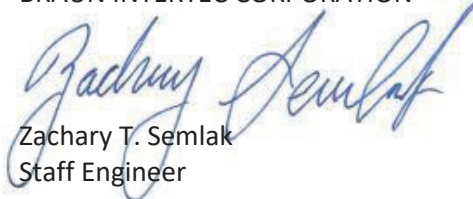
Dear Mr. Strong:

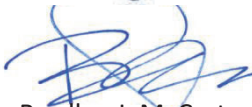
We are pleased to present this Geotechnical Evaluation Report for the 2024 Maplewood Street Improvements Project in Maplewood, Minnesota. The following report provides the results of our evaluation and should be read in its entirety.

Thank you for making Braun Intertec your geotechnical consultant for this project. If you have questions about this report, or if there are other services that we can provide in support of our work to date, please contact Zachary Semlak at 651.788.5071 (zsemlak@braunintertec.com) or Brad McCarter at 952.995.2268 (bmccarter@braunintertec.com).

Sincerely,

BRAUN INTERTEC CORPORATION


Zachary T. Semlak
Staff Engineer


Bradley J. McCarter, PE
Director, Senior Engineer

c: Jon Jarosch, PE, City of Maplewood

Table of Contents

Description	Page
A. Introduction.....	1
A.1. Project Description	1
A.2. Site Conditions.....	3
A.3. Purpose.....	3
A.4. Background Information and Reference Documents.....	3
A.5. Scope of Services	4
B. Results	5
B.1. Geologic Overview	5
B.2. Pavement Cores	5
B.3. Hand Auger Borings.....	5
B.4. SPT Borings	6
B.5. Groundwater	7
B.6. Laboratory Test Results.....	7
B.6.a. Moisture Content	7
B.6.b. Percent Passing the #200 Sieve.....	7
B.6.c. Organic Content	7
B.6.d. Corrosivity	8
C. Recommendations	9
C.1. Design and Construction Discussion	9
C.1.a. Pavement Reconstruction/Reclamation	9
C.1.b. Pavement Mill and Overlay (Optional).....	9
C.1.c. Pavement Subgrade and Soil Reuse	9
C.1.d. Construction Disturbance.....	10
C.2. Utilities	10
C.2.a. Utility Subgrade Stabilization	10
C.2.b. Excavated Slopes	10
C.2.c. Engineered Fill Materials and Compaction	11
C.3. Pavements Rehabilitation	12
C.3.a. Pavement Subgrade Preparation	12
C.3.b. Pavement Subgrade Proofroll	12
C.3.c. Design Sections	13
C.3.d. Pavement Materials Placement	13
C.3.e. Performance and Maintenance	14
C.4. Mill and Overlay (Optional)	14
C.5. Soil Infiltration	16
D. Procedures.....	16
D.1. Penetration Test Borings.....	16
D.2. Pavement Cores	16
D.3. Hand Auger Borings.....	17
D.4. Exploration Logs	17
D.4.a. Log of Boring Sheets.....	17
D.4.b. Geologic Origins	17
D.5. Material Classification and Testing	17
D.5.a. Visual and Manual Classification.....	17
D.5.b. Laboratory Testing	18



Table of Contents (continued)

Description	Page
D.6. Groundwater Measurements.....	18
E. Qualifications.....	18
E.1. Variations in Subsurface Conditions.....	18
E.1.a. Material Strata	18
E.1.b. Groundwater Levels	19
E.2. Continuity of Professional Responsibility.....	19
E.2.a. Plan Review	19
E.2.b. Construction Observations and Testing.....	19
E.3. Use of Report.....	19
E.4. Standard of Care.....	19

Appendix

- Soil Boring Location Sketch (2 pages)
- Log of Hand Auger Sheets PC-1 to PC-36 (36 pages)
- Log of Boring Sheets SB-1 through SB-46 (46 pages)
- Photographs of Pavement Cores (41 pages)
- Photographs of Apparent Aggregate Base (41 pages)
- Descriptive Terminology of Soil

A. Introduction

A.1. Project Description

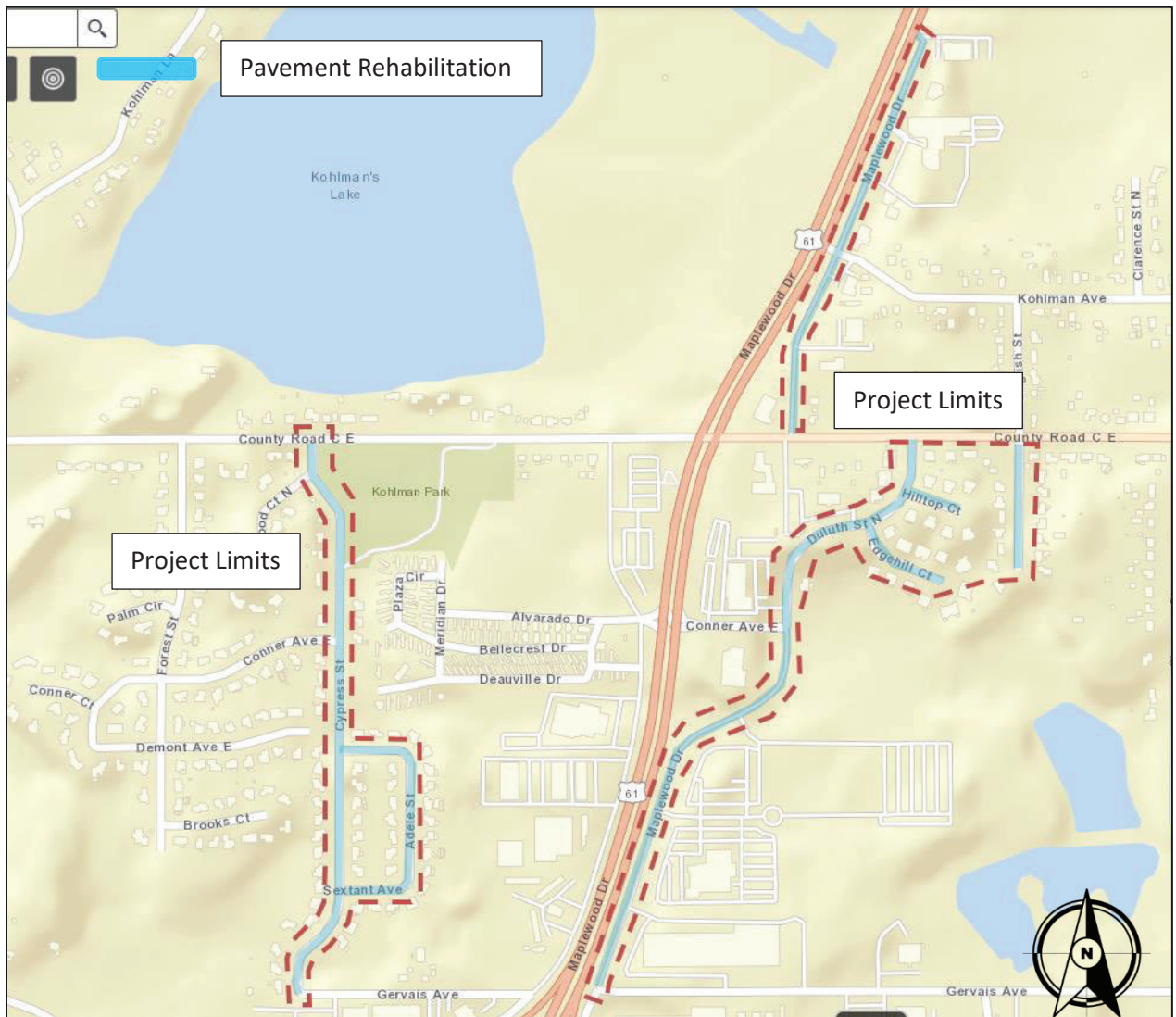
This Geotechnical Evaluation Report addresses the design and construction of the proposed 2024 Maplewood Street Improvements including the East Shore Drive and Cypress-Maplewood Drive Areas (specific street locations depicted in Figure 1 and 2), in Maplewood, Minnesota. The project will include the reconstruction or rehabilitation of existing street pavements along with some planned utility replacement. Table 1 also includes a summary of project details.

Figure 1. Project Area – East Shore Drive Area



Map image extracted from Enterprise MnDOT Mapping Application (EMMA).

Figure 2. Project Area – Cypress-Maplewood Drive Area



Map image extracted from Enterprise MnDOT Mapping Application (EMMA).

Table 1. Site Aspects

Aspect	Description
Pavement type	Bituminous (grades to match existing)
Assumed pavement loads*	<ul style="list-style-type: none"> ▪ East Shore Drive: ≤350,000 ESALs ▪ All other streets: ≤150,000 ESALs†
Grade changes	Finished profiles and cross-sections not available at the time of this report; however, site grades are anticipated to generally match existing grades.

*Equivalent 18,000-lb single axle loads based on 20-year design.

†All other streets, are the proposed locations provided in the RFP from City of Maplewood.

We have described our understanding of the proposed construction and site to the extent others reported it to us. Depending on the extent of available information, we may have made assumptions based on our experience with similar projects. If we have not correctly recorded or interpreted the project details, the project team should notify us. New or changed information could require additional evaluation, analyses and/or recommendations.

A.2. Site Conditions

The project streets currently consist of existing residential/local bituminous-paved roadways. Grades vary through the project sites. For the East Shore Drive area, current grades generally range from about 863 feet to 912 feet, with sloping generally downward to the south and west, based on the borings.

Current and projected traffic information for the streets to be reconstructed as part of this project were not available at the time of this report.

A.3. Purpose

The purpose of our geotechnical evaluation was to characterize subsurface geologic conditions at selected exploration locations, evaluate their impact on the project, and provide geotechnical recommendations for use in the design and construction of the planned roadway improvements.

A.4. Background Information and Reference Documents

We reviewed the following information:

- Request for Proposals prepared by the City of Maplewood, received on September 11, 2023.
- Geologic map titled M-178, Surficial Geology of the Twin Cities Metropolitan Area, Minnesota prepared by the Minnesota Geological Survey, dated 2007.
- Aerial images collected from Enterprise MnDOT Mapping Application (EMMA), <https://dotapp9.dot.state.mn.us/emma/>.
- *East Shore Drive Initial Feasibility Markups*, provided by City of Maplewood, depicting utility replacement locations.
- Communications with you (City of Maplewood) regarding areas of utility installation/replacement and areas of pavement rehabilitation.

A.5. Scope of Services

We performed our scope of services for the project in accordance with our Proposal for Geotechnical Evaluation (QTB184693) to the City of Maplewood, dated September 22, 2023. The following list describes the geotechnical tasks completed in accordance with our authorized scope of services.

- Reviewing the background information and reference documents previously cited.
- Staking and coordinating clearing the exploration location of underground utilities. City of Maplewood selected and we staked the new exploration locations. We acquired the surface elevations and locations with GPS technology using the State of Minnesota's permanent GPS base station network. The Soil Boring Location Sketch included in the Appendix shows the approximate locations of the borings.
- Performing the requested 81 pavement cores with accompanying shallow hand auger borings, denoted as SB-1 to SB-31, SB-33 to SB-46 and PC-1 to PC-36, to nominal depths of 2 to 4 feet below grade. Please note, Boring SB-32 was performed as a standard penetration test (SPT) boring only, as this boring was located in greenspace just east of Phalen Place.
- Performing the requested 46 standard penetration test (SPT) borings, denoted as SB-1 to SB-46, to nominal depths of 10 to 14 1/2 feet below grade.
- Performing laboratory testing on select samples to aid in soil classification and engineering analysis. At the request of St. Paul Regional Water Services (SPRWS), nine samples total (one at each location) from Borings SB-1, SB-5, SB-7, SB-19, SB-23, SB-26, SB-30, SB-38, and SB-39, were submitted for a suite of corrosion susceptibility tests.
- Preparing this report containing a boring location sketch, logs of soil borings for Borings SB-1 to SB-46, logs of hand auger borings at Borings PC-1 to PC-36, photographs of the pavement core samples and aggregate base samples obtained, a summary of the subgrade soils encountered, results of laboratory tests, and recommendations for use in the design and construction of the planned utility and pavement replacements.

Our scope of services did not include environmental services or testing and our geotechnical personnel performing this evaluation are not trained to provide environmental services or testing. We can provide environmental services or testing at your request.

B. Results

B.1. Geologic Overview

We based the geologic origins used in this report on the soil types, laboratory testing, and available common knowledge of the geological history of the site. Because of the complex depositional history, geologic origins can be difficult to ascertain. We did not perform a detailed investigation of the geologic history for the site.

B.2. Pavement Cores

We performed pavement cores at the requested 81 locations, as noted in Section A.5. The pavement cores along with representative samples of the apparent aggregate base and subgrade material were collected and brought back for analysis, as well as photographing. Measurements and photographs of each core and encountered aggregate base material are attached in the Appendix and a summary is provided below in Table 2.

Note that the apparent aggregate base section was observed and measured in the field by the coring crew to the nearest inch. We did not perform gradation analysis on the apparent aggregate base material encountered on the pavement section and cannot conclusively determine if the encountered material satisfies a particular specification. The aggregate base thicknesses should also be considered approximate, as the transitions between the aggregate base and the underlying subgrade are often difficult to accurately discern at depth, especially in areas with granular silty sand (SM) subgrade materials.

B.3. Hand Auger Borings

Shallow hand auger borings were performed at Borings PC-1 through PC-36 following pavement coring to evaluate the general composition of the subgrade soils underlying the existing pavement sections. The hand auger borings were extended to nominal depths of 2 to 3 feet with the exception of PC-33, PC-34 and PC-36 where refusal to hand auger advancement was encountered within the apparent aggregate base materials. Where penetrated, the subgrade soils generally consisted of mixed granular fill soils with zones of clays. Detailed descriptions of the hand auger borings are provided on the logs in the Appendix and a summary is provided in Table 2.

B.4. SPT Borings

We performed SPT borings at locations SB-1 through SB-46 following pavement coring to evaluate the composition and consistency of the subgrade soils. The subgrade soils in the SPT borings generally consists of mixed fill soils overlying native glacial till at depth.

Table 2 provides a summary of the pavement sections, hand auger and SPT boring results, in the general order we encountered the strata. Please refer to the Log of Hand Auger and Log of Boring sheets in the Appendix for additional details. The Descriptive Terminology sheet in the Appendix includes definitions of abbreviations used in Table 2.

Table 2. Subsurface Profile Summary

Strata	Soil Type - ASTM Classification	N-Values	Commentary and Details
Pavement section	---	---	<ul style="list-style-type: none"> ▪ Overall thickness ranges from about 2 3/4 to 23 inches. ▪ Bituminous thickness at each location ranges from about 1 3/4 to 8 3/4 inches. ▪ Apparent aggregate base course, where present, ranges from about 2 to 18 1/2 inches thick. Borings SB-1, SB-2, SB-4, SB-5, SB-7 to SB-16, SB-20, SB-39, SB-43 to SB-45 and PC-1 did not encounter apparent aggregate base material (PC-33 met refusal on apparent aggregate base. No sample recovered). ▪ Boring SB-32 did not have a pavement section as this was performed in greenspace (City of Maplewood ROW). ▪ Core log in Appendix has pictures of pavement and apparent aggregate base, as well as pavement thicknesses.
Fill	SM, SP-SM, SC, CL, SP	3 to 35	<ul style="list-style-type: none"> ▪ Moisture condition generally moist. ▪ Extended to depths of about 4 to 14 1/2 feet (boring termination) below surface grade. ▪ Highly variable, soils intermixed. ▪ Existing fill contained variable amounts of gravel.
Glacial deposits	SM, SP, SP-SM	6 to 48	<ul style="list-style-type: none"> ▪ Moisture condition generally moist. ▪ Possible cobbles and boulders. ▪ Variable amounts of gravel; may contain cobbles and boulders.
	SC, CL	11 to 20	

For simplicity in this report, we define fill to mean existing, uncontrolled or undocumented.

B.5. Groundwater

At the time of drilling, water was encountered in Borings SB-4, 5, 9, 11, 12, 16 and 19 at depths ranging from about 6 1/2 to 13 feet corresponding to elevations of about 855 1/2 to 862 feet. However, we note that the project site covers a broad area and groundwater levels will vary locally across the site. The soil profile is also conducive to creating zones of perched conditions where groundwater is in granular soil layers overlying less permeable clays. Groundwater may take days to reach equilibrium in the boreholes. Project planning should anticipate seasonal and annual fluctuations of groundwater.

B.6. Laboratory Test Results

We performed various laboratory tests on select soil samples to aid us in our evaluation. The Log of Boring sheets attached in the Appendix presents the results.

B.6.a. Moisture Content

The moisture content (ASTM D2216) of the selected samples from the fill soils (poorly-graded sand with silt, silty sand and lean clay) varied from approximately 3 to 27 percent, indicating that the material was below or slightly above its probable optimum moisture content. The log of Boring sheets in the Appendix shows the results of the moisture content (MC) tests in the "MC %" column.

B.6.b. Percent Passing the #200 Sieve

Our mechanical analyses (ASTM C117) indicated that the selected soil samples contained about 2 to 27 percent silt and clay by weight, respectively. These soils were classified as poorly graded sand, poorly-graded sand with silt or silty sand. The Log of Boring sheets in the Appendix shows the result of the mechanical analyses in the "Tests or Remarks" column.

B.6.c. Organic Content

We performed organic content (OC) tests (per ASTM D2974) on selected samples to determine the reusability of the material for utility trench backfill and pavement design. The organic content of the soils tested ranged from about 2 to 4 percent, which is considered slightly organic by Minnesota Department of Transportation (MnDOT) definitions. The Log of Boring sheets in the Appendix shows the result of the organic content test in the "Tests or Remarks" column.

B.6.d. Corrosivity

Results of the corrosivity testing performed by a sub-contracted laboratory including sulfides, pH, oxidation/reduction potential, and laboratory soil resistivity are presented in Table 3.

Table 3. Corrosivity Test Results

Location	Sample Depth (feet)	Moisture Content (%)	Sulfides (ppm)	pH	Oxidation/Reduction Potential (mV)	Resistivity - As Received (Ohm-cm)	Resistivity - Minimum (Ohm-cm)
SB-1	7 to 9	20	1.1	7.8	211	2,948	1,943
SB-5	7 to 9	15	0.2	7.2	242	5,762	5,159
SB-7	7 to 9	2	0.8	7.9	178	44,890	7,370
SB-19	7 to 9	3	0.7	7.2	166	5,293	4,690
SB-23	7 to 9	2	0.3	7.4	167	51,590	9,380
SB-26	7 to 9	14	0.2	7.3	164	9,380	2,74
SB-30	7 to 9	4	ND ⁺	7.6	154	37,520	5,159
SB-38	7 to 9	11	0.2	7.3	159	5,628	2,881
SB-39	7 to 9	1	0.1	7.7	148	80,400	10,720

*Not Detected

The ANSI/AWWA C105/A21.5 (Appendix A) standard uses a 10-point system for corrosion evaluation of soils in contact with iron pipe. Based on the 10-point system and the results of the corrosion testing performed, the tested soils at this site have a corrosivity value range 2 to 5. A value of 10 is the threshold for corrosion potential, indicating that corrosion protection of iron materials by this standard is not required at these specific locations that were tested.

If there are locations outside of these requested testing locations for installation of watermain utilities, additional testing may be required to determine the soils' corrosiveness.

C. Recommendations

C.1. Design and Construction Discussion

C.1.a. Pavement Reconstruction/Reclamation

Based on our soil borings, the residential streets will consist of about 1 3/4 to 8 3/4 inches of bituminous pavement and about 2 to 18 1/2 inches of apparent aggregate base overlying mixed sandy or clayey subbases. For reuse of pavement materials by reclamation, removal, stockpiling, and replacement, we recommend considering a maximum 7-inch full-depth reclamation (FDR). Based on the measurements from the borings, this generally will avoid subgrade soils through much of the project area; in areas where it appears that subgrade may be penetrated due to a thinner pavement section, consider reducing the mill depth and excavating to the design depth of the pavement section. Variation of existing pavement depth should be anticipated, which will require adjustments of the reclaim depth.

C.1.b. Pavement Mill and Overlay (Optional)

We understand that the City's desired reconstruction is via FDR, but if mill and overlay is selected for areas of rehabilitation, areas that should not be selected in performing a mill and overlay would be portions of:

- Sophia Avenue (near Borings SB-45 and SB-46)
- Cypress Street
- Adele Street (Cypress-Maplewood Drive area)
- English Street (near PC-12 and PC-14)
- Edgehill Court

Other areas not having utility replacement work performed are considered viable options for mill and overlay. We have provided general recommendations in Section C.4 for milling and overlaying purposes.

C.1.c. Pavement Subgrade and Soil Reuse

Based on the soil boring results, we anticipate the shallow subgrade soils will generally consist of mixed granular, silty and clayey existing fill. These soils are generally suitable for reuse as engineered fill. Soils with organic contents greater than 3 percent, if encountered, should not be reused as backfill. This may result in the importing of soils to re-establish subgrade elevations. During construction, if soils become disturbed or weak, recompaction or replacement of subgrade soils may be required, as a result of construction activity or exposure to moisture. Moisture conditioning of the clayey and silty soils should be anticipated prior to replacement as backfill within the trenches.

Since grade changes are not proposed, the subgrade soils present beneath the existing roads will generally be suitable for pavement support.

C.1.d. Construction Disturbance

The silty sand and lean clay roadway subgrades will be sensitive to disturbance and strength loss if subjected to repeated vehicle traffic. Subexcavation and recompaction or replacement of subgrade soils may be required if they lose strength.

C.2. Utilities

We understand that some watermain replacements will be performed and additional utilities may be replaced in other areas if deemed necessary. The following sections provide general recommendations for utility installation. If specific questions arise or additional areas encountered during excavation expose utilities in need of replacement, please contact us and we can provide additional recommendations as needed.

C.2.a. Utility Subgrade Stabilization

For the proposed watermain installation/replacement (see Figure 1), we anticipate the soils at typical invert elevations will be suitable for utility support. However, if construction encounters unfavorable conditions such as loose silts, soft clays, or perched water at invert grades, these soils may require some additional subcutting of 1 to 2 feet (depending on site conditions) and replacement with sand or crushed rock to prepare a proper subgrade for pipe support.

C.2.b. Excavated Slopes

Based on the borings, we anticipate on-site soils in excavations will consist of a mixture of granular and/or cohesive fill soils. The existing fill soils are typically considered Type C Soil under OSHA (Occupational Safety and Health Administration) guidelines. OSHA guidelines indicate unsupported excavations in Type C soils should have a gradient no steeper than 1 1/2H:1V. Slopes constructed in this manner may still exhibit surface sloughing.

An OSHA-approved qualified person should review the soil classification in the field. Excavations must comply with the requirements of OSHA 29 CFR, Part 1926, Subpart P, "Excavations and Trenches." This document states excavation safety is the responsibility of the contractor. The project specifications should reference these OSHA requirements.

C.2.c. Engineered Fill Materials and Compaction

Table 4 below contains our recommendations for engineered fill materials.

Table 4. Engineered Fill Materials*

Locations To Be Used	Engineered Fill Classification	Possible Soil Type Descriptions	Gradation	Additional Requirements
Pavements	Pavement fill	SP, SP-SM, SM, SC, CL	100% passing 3-inch sieve	< 3% Organic Content (OC) Plasticity Index (PI) < 20%
Utility trench backfill	Utility backfill	SP, SP-SM, SM, SC, CL	100% passing 6-inch sieve	< 3% OC PI < 20%

*More select soils comprised of coarse sands with < 5% passing #200 sieve may be needed to accommodate work occurring in periods of wet or freezing weather.

We recommend spreading engineered fill in loose lifts of approximately 6 to 8 inches thick. We recommend compacting engineered fill in accordance with the criteria presented below in Table 5. The project documents should specify relative compaction of engineered fill, based on the structure located above the engineered fill, and vertical proximity to that structure.

Table 5. Compaction Recommendations Summary

Reference	Relative Compaction, percent (ASTM D698 – Standard Proctor)	Moisture Content Variance from Optimum, percentage points	
		Sand (SP, SP-SM)	Clayey and Silty Soils (CL, SC, SM)
Within 3 feet of pavement subgrade	100	±3	-2 to +1
More than 3 feet below pavement subgrade	95	±3	-1 to +3

The project documents should not allow the contractor to use frozen material as engineered fill or to place engineered fill on frozen material. Frost should not penetrate under utility inverts and pavement structural fill during construction.

We recommend performing density tests in engineered fill to evaluate if the contractors are effectively compacting the soil and meeting project requirements.

C.3. Pavements Rehabilitation

C.3.a. Pavement Subgrade Preparation

We recommend the following steps for pavement subgrade preparation, understanding the site will generally match existing grades.

- Reclaim the pavement as recommended in Section C.1.a, stockpile and/or redistribute excess reclaim material as necessary to construct the new pavement sections.
- Once the roadway sections are either brought back to grade after utility installation/replacement or cut to grade, have a geotechnical representative observe the excavated subgrade (proofroll) to evaluate if additional subgrade improvements are necessary.
- Slope subgrade soils to allow the removal of accumulating water.
- Scarify, moisture condition, and surface compact subgrade soils.
- Place pavement engineered fill to grade and compact in accordance with Section C.2.c to bottom of pavement.
- Proofroll the pavement subgrade as described in Section C.3.b.

C.3.b. Pavement Subgrade Proofroll

In areas where the subgrade is exposed, after preparing it as described above and prior to the replacement of aggregate base or reclaim, we recommend proofrolling the subgrade soils with a fully loaded tandem-axle truck while observed by a geotechnical representative. Areas that fail the proofroll likely indicate soft or weak soils that will require additional correction work to support pavements. The contractor should correct areas of subgrade that display yielding or rutting greater than 1 inch under wheel traffic during the proofroll, as determined by the geotechnical representative. Possible options for subgrade correction include moisture conditioning and recompaction, subcutting and replacement with soil or crushed aggregate (including excess reclaim material, chemical stabilization and/or geosynthetics. We recommend performing a proofroll after the aggregate base/reclaimed material is in place or where it is left in place prior to placing bituminous pavements. We recommend a zero-deflection threshold for proofrolls of aggregate or reclaim layers.

C.3.c. Design Sections

Our scope of services for this project did not include laboratory tests on subgrade soils to determine an R-value for pavement design. Based on our experience with similar granular and cohesive soils anticipated at the pavement subgrade elevation, we recommend pavement design assume an R-value of 20. Note the contractor may need to perform limited removal of unsuitable or less suitable soils to achieve this value. Table 6 provides the recommended minimum pavement section for East Shore Drive based on anticipated traffic volumes and Table 7 provides the recommend minimum pavement section for the other residential/local streets in Maplewood, Minnesota.

Table 6. Recommended Bituminous Pavement Section – East Shore Drive

Material	Thickness (inches)	Designation	Specification
Bituminous wear course	2	SPWEA340C	MnDOT 2360
Bituminous non-wear course	3	SPNWB330C	MnDOT 2360
Aggregate base	10	Class 5 or 6	MnDOT 3138
Approved subgrade	---	---	---

Table 7. Recommended Bituminous Pavement Section

Material	Thickness (inches)	Designation	Specification
Bituminous	3 1/2 (2 lifts)	SPWEA330C	MnDOT 2360
Aggregate base	8	Class 5 or 6	MnDOT 3138
Approved subgrade	---	---	---

We note that in Table 7, the above section generally conforms to City Standard Plates for typical residential/local roadways.

C.3.d. Pavement Materials Placement

We recommend placing and compacting the bituminous wear and non-wear courses to meet the requirements of MnDOT Specification 2360.

We recommend compacting the aggregate base to meet the requirements of MnDOT Specification 2211.3.D.2.c (Penetration Index Method for the dynamic cone penetrometer [DCP]).

C.3.e. Performance and Maintenance

We based the above pavement designs on a 20-year performance life for bituminous. This is the amount of time before we anticipate the pavement will require reconstruction. This performance life assumes routine maintenance, such as seal coating and crack sealing. The actual pavement life will vary depending on variations in weather, traffic conditions and maintenance.

Many conditions affect the overall performance of the pavements. Some of these conditions include the environment, loading conditions and the level of ongoing maintenance. With regard to bituminous pavements in particular, it is common to have thermal cracking develop within the first few years of placement, and continue throughout the life of the pavement. We recommend developing a regular maintenance plan for filling cracks in exterior slabs and pavements to lessen the potential impacts for cold weather distress due to frost heave or warm weather distress due to wetting and softening of the subgrade.

C.4. Mill and Overlay (Optional)

For the areas where pavement rehabilitation is proposed (in blue on Figure 1 and 2 in section A.1), if the mill-and-overlay option is selected instead of full depth replacement, the following sections provide our recommendations based on the pavement core conditions.

Note, portions of East Shore drive may require a reconstruction or full-depth reclamation with no encountered apparent aggregate base course. Other areas that also may require a full-depth reclamation based on observed pavement thicknesses of 3 inches or less are:

- Adele Street
- Walter Street
- Phalen Place
- Fenton Avenue
- Ripley Avenue
- Sophia Avenue

For the areas where mill and overlay is feasible, we would recommend milling the pavement in accordance with MnDOT Specification 2232. The mill depth will vary based on conditions encountered

but should be a minimum depth of 1 1/2 inches, with a replacement mix meeting SPWEA330C (matches city standards). The lift thickness for the overlay should not exceed 2 1/2 inches regardless of mill depth. Pavement depth can vary between the boring locations and the contractor may need to adjust the mill depth to account for unexpected conditions such as areas of thin pavement.

The surface condition prior to milling can indicate where deeper repairs to the milled surface may be necessary to improve the life of the overlay. This includes distresses such as severe longitudinal and transverse cracking, alligator/fatigue cracking of any severity, potholes, edge cracking, and similar failures. MnDOT defines these distresses in their surface rating procedure as follows:

- High-severity transverse cracking: Any crack running transverse to the centerline of the roadway with significant adjacent random cracking (12 inches or more apart), have large areas of spalling, missing material and/or potholes.
- High-severity longitudinal cracking: Any crack running parallel to the centerline of the roadway with significant adjacent random cracking (12 inches or more apart), large areas of spalling, missing material and/or potholes.
- Alligator cracking: A series of interconnected cracks forming many-sided, sharp-angled pieces, 6 inches or less in size, typically located in the wheel paths and under concentrated traffic loads.

A mill and overlay will normally have a service life of between 10 and 14 years. Over that time maintenance will be required, which may include crack seal, surface treatments, and patching.

If the mill and overlay method is selected, we would recommend full-depth milling or sawcutting and complete removal of pavements exhibiting high-severity distress conditions, recompaction of the exposed soils and replacement with the same thickness of existing bituminous materials used for the overlay.

Pavement milling should proceed as described in MnDOT Specification 2232. We recommend having an experienced engineer walk the milled surface to delineate areas where further repair may be warranted based on conditions exposed by the milling process.

C.5. Soil Infiltration

Based on the boring performed (SB-32) and the assumed invert elevation of 7 feet below grade surface, it appears the stormwater structure will generally bear on granular soils at invert elevation. These soils are considered as Hydrologic Soil Group A in accordance with the Minnesota Stormwater Manual.

The infiltration rate represents the long-term infiltration capacity of a practice and not the capacity of the soils in their natural state. Field testing, such as with a double-ring infiltrometer (ASTM D3385), may justify the use of higher (or lower) soil infiltration rates. Stormwater infiltration typically needs to maintain 3 vertical feet of separation from the invert elevation and groundwater (if encountered).

Fine-grained soils (silts and clays), topsoil or organic matter that mixes into or washes onto the soil will lower the permeability. The contractor should maintain and protect infiltration areas during construction. Furthermore, organic matter and silt washed into the system after construction can fill the soil pores and reduce permeability over time. Proper maintenance is important for long-term performance of infiltration systems.

We recommend consulting the Minnesota Stormwater Manual or the governing watershed district for additional guidance on stormwater design. This geotechnical evaluation does not constitute a review of site suitability for stormwater infiltration or evaluate the potential impacts, if any, from infiltration of large amounts of stormwater.

D. Procedures

D.1. Penetration Test Borings

We drilled the penetration test borings with a truck-mounted core and auger drill equipped with hollow-stem auger. We performed the borings in general accordance with ASTM D6151 taking penetration test samples continuously to 6 feet below grade and then at 2 1/2-foot intervals in general accordance with ASTM D1586. The boring logs show the actual sample intervals and corresponding depths.

D.2. Pavement Cores

We obtained core samples of the pavement using a portable coring machine advancing a 4-inch diameter core barrel. Immediately after completing the boring or hand auger at each core location, we repaired

the bituminous pavement with a temporary cold-mix bituminous patch. We measured the cores to obtain approximate bituminous thickness and noted their material conditions based on visual observation. The Appendix includes images of the cores.

D.3. Hand Auger Borings

We drilled hand auger borings with a 1 1/2-inch-diameter bucket auger. We advanced the borings in 2- to 4-inch increments to depths of 2 1/2 feet to 4 feet (or refusal) below subgrade elevations. We then withdrew the auger from the borehole to obtain cuttings.

D.4. Exploration Logs

D.4.a. Log of Boring Sheets

The Appendix includes Log of Boring sheets for our penetration test borings. The logs identify and describe the penetrated geologic materials, and present the results of penetration resistance and other in-situ tests performed. The logs also present the results of laboratory tests performed on penetration test samples, and groundwater measurements.

We inferred strata boundaries from changes in the penetration test samples and the auger cuttings. Because we did not perform continuous sampling, the strata boundary depths are only approximate. The boundary depths likely vary away from the boring locations, and the boundaries themselves may occur as gradual rather than abrupt transitions.

D.4.b. Geologic Origins

We assigned geologic origins to the materials shown on the logs and referenced within this report, based on: (1) a review of the background information and reference documents cited above, (2) visual classification of the various geologic material samples retrieved during the course of our subsurface exploration, (3) penetration resistance performed for the project, (4) laboratory test results, and (5) available common knowledge of the geologic processes and environments that have impacted the site and surrounding area in the past.

D.5. Material Classification and Testing

D.5.a. Visual and Manual Classification

We visually and manually classified the geologic materials encountered based on ASTM D2488. When we performed laboratory classification tests, we used the results to classify the geologic materials in

accordance with ASTM D2487. The Appendix includes a chart explaining the classification system we used.

D.5.b. Laboratory Testing

The exploration logs in the Appendix note most of the results of the laboratory tests performed on geologic material samples. The remaining laboratory test results follow the exploration logs. We performed the tests in general accordance with ASTM procedures.

Corrosivity testing was performed outside of Braun Intertec by Project X Engineers, Inc. and tested in general accordance with ASTM and SM procedures.

D.6. Groundwater Measurements

The drillers checked for groundwater while advancing the penetration test borings, and again after auger withdrawal. We then filled the borehole, as noted on the boring logs.

E. Qualifications

E.1. Variations in Subsurface Conditions

E.1.a. Material Strata

We developed our evaluation, analyses and recommendations from a limited amount of site and subsurface information. It is not standard engineering practice to retrieve material samples from exploration locations continuously with depth. Therefore, we must infer strata boundaries and thicknesses to some extent. Strata boundaries may also be gradual transitions, and project planning should expect the strata to vary in depth, elevation and thickness, away from the exploration locations.

Variations in subsurface conditions present between exploration locations may not be revealed until performing additional exploration work, or starting construction. If future activity for this project reveals any such variations, you should notify us so that we may reevaluate our recommendations. Such variations could increase construction costs, and we recommend including a contingency to accommodate them.

E.1.b. Groundwater Levels

We made groundwater measurements under the conditions reported herein and shown on the exploration logs, and interpreted in the text of this report. Note that the observation periods were relatively short, and project planning can expect groundwater levels to fluctuate in response to rainfall, flooding, irrigation, seasonal freezing and thawing, surface drainage modifications and other seasonal and annual factors.

E.2. Continuity of Professional Responsibility

E.2.a. Plan Review

We based this report on a limited amount of information, and we made a number of assumptions to help us develop our recommendations. We should be retained to review the geotechnical aspects of the designs and specifications. This review will allow us to evaluate whether we anticipated the design correctly, if any design changes affect the validity of our recommendations, and if the design and specifications correctly interpret and implement our recommendations.

E.2.b. Construction Observations and Testing

We recommend retaining us to perform the required observations and testing during construction as part of the ongoing geotechnical evaluation. This will allow us to correlate the subsurface conditions exposed during construction with those encountered by the borings and provide professional continuity from the design phase to the construction phase. If we do not perform observations and testing during construction, it becomes the responsibility of others to validate the assumption made during the preparation of this report and to accept the construction-related geotechnical engineer-of-record responsibilities.

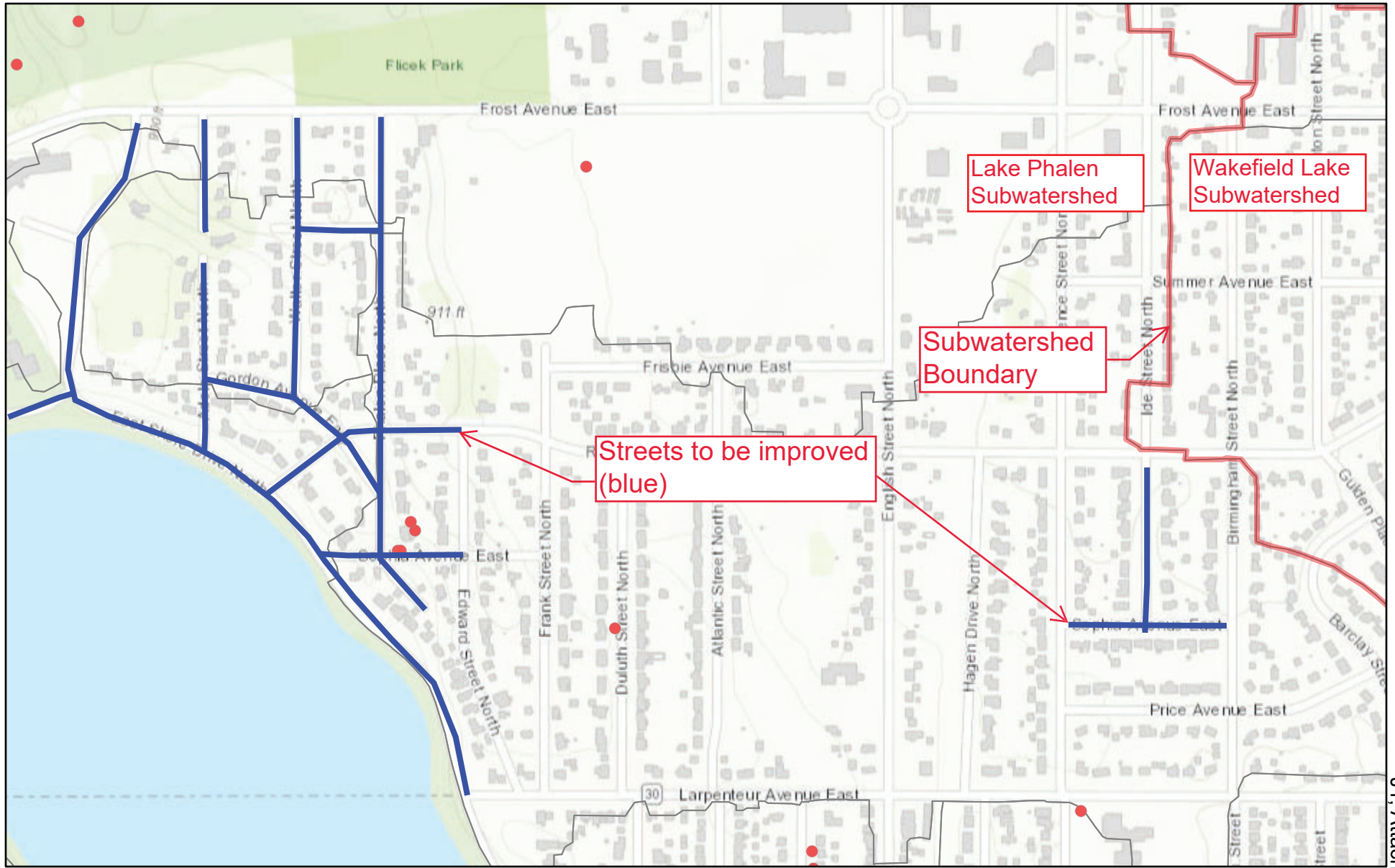
E.3. Use of Report

This report is for the exclusive use of the addressed parties. Without written approval, we assume no responsibility to other parties regarding this report. Our evaluation, analyses and recommendations may not be appropriate for other parties or projects.

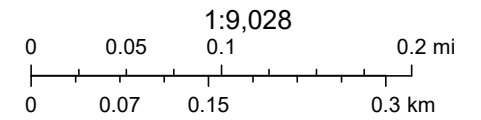
E.4. Standard of Care

In performing its services, Braun Intertec used that degree of care and skill ordinarily exercised under similar circumstances by reputable members of its profession currently practicing in the same locality. No warranty, express or implied, is made.

East Shore Drive Area Drainage

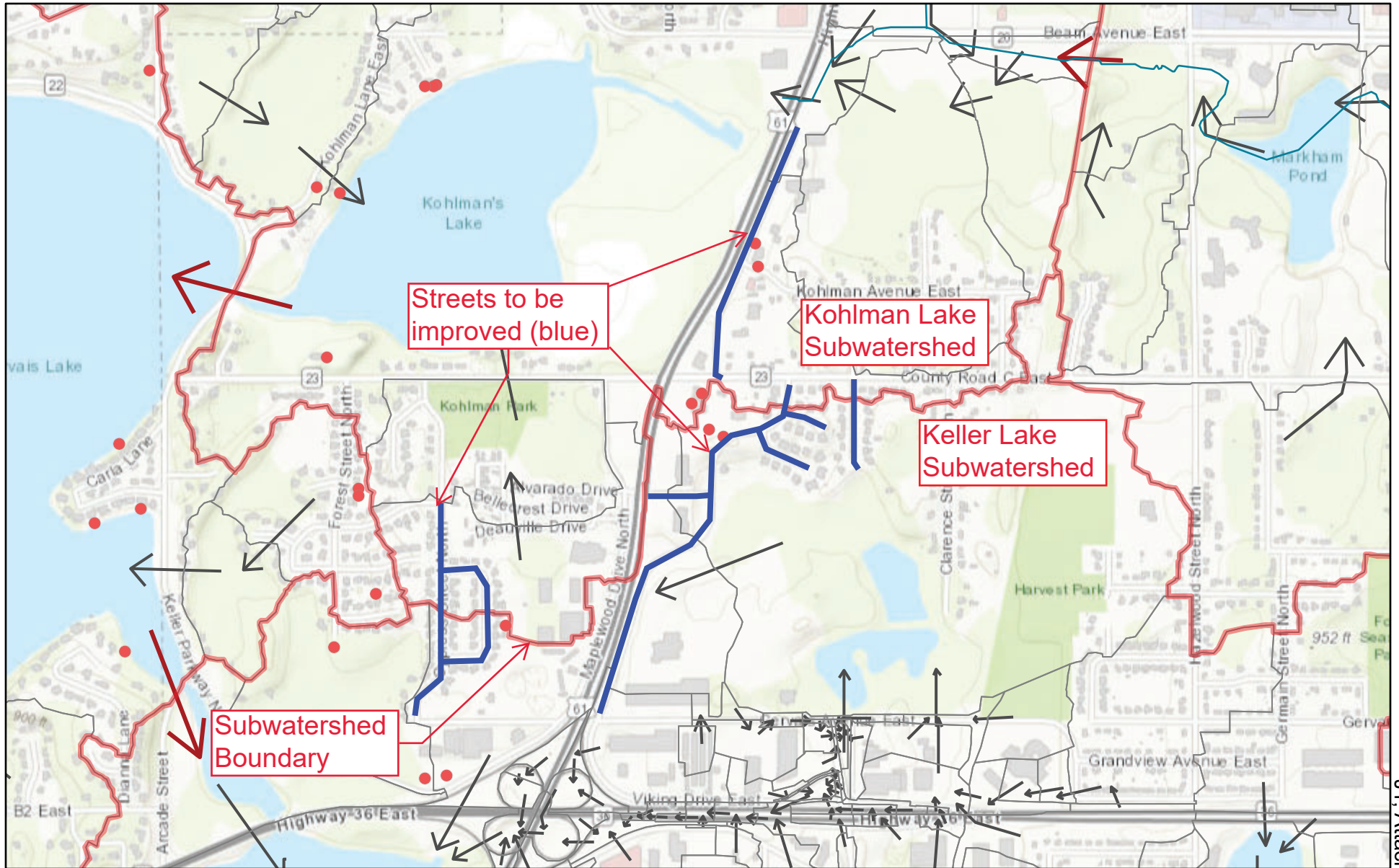


November 30, 2023

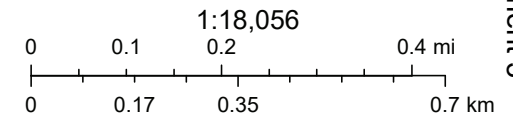


County of Ramsey, Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

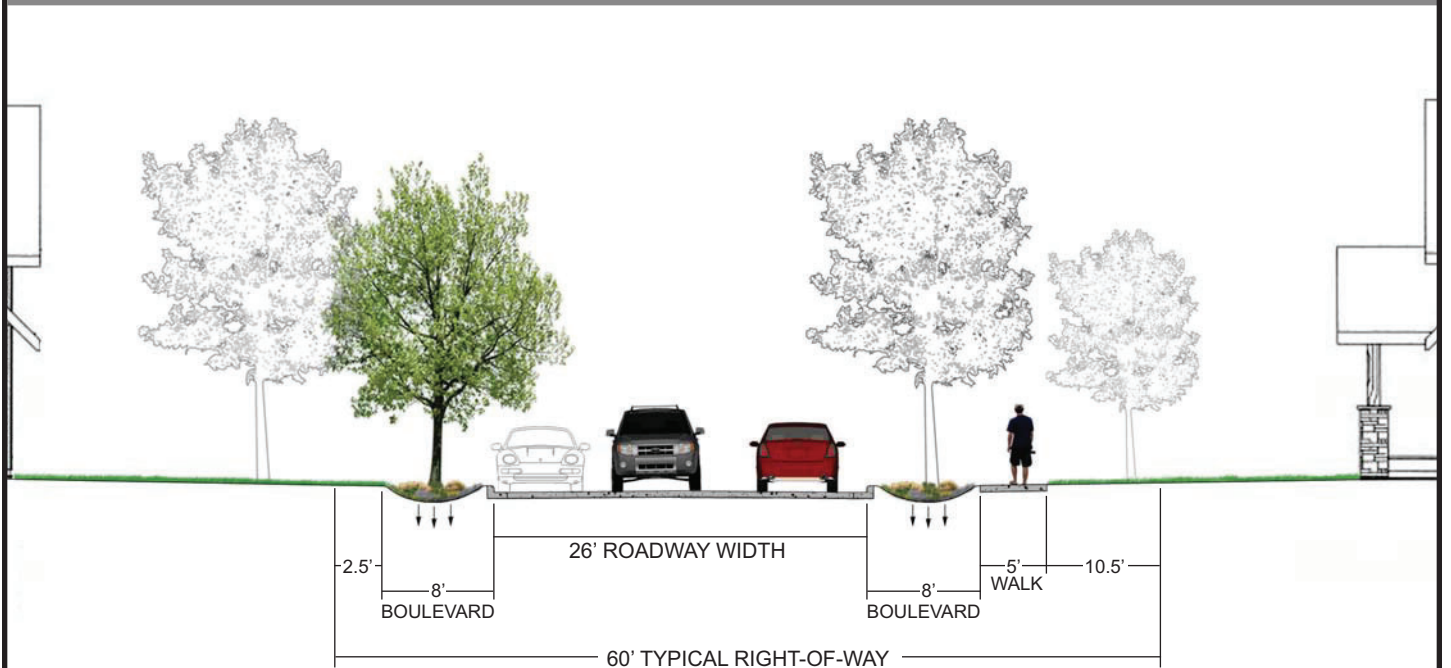
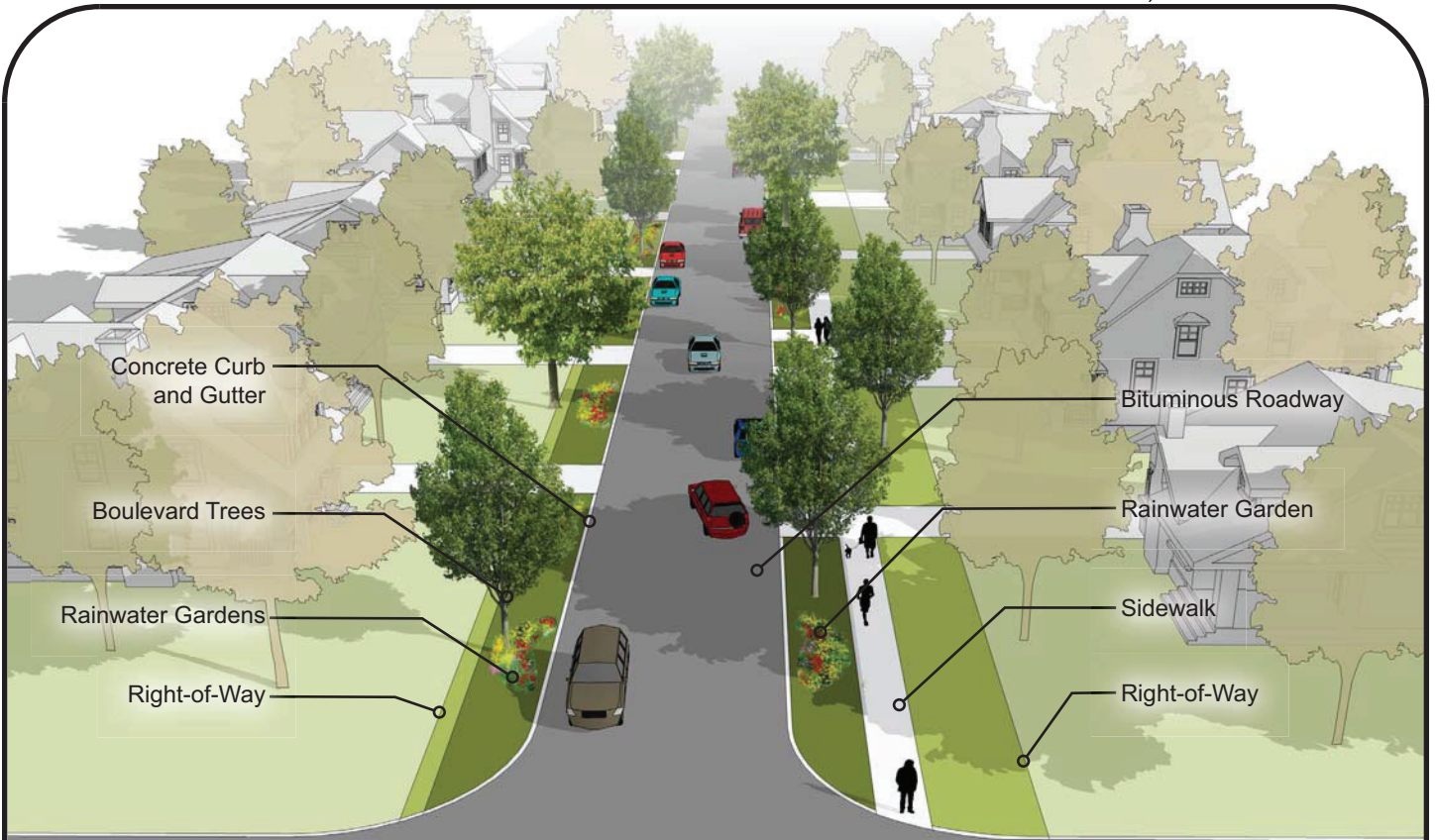
Cypress-Maplewood Drive Area Drainage



December 4, 2023



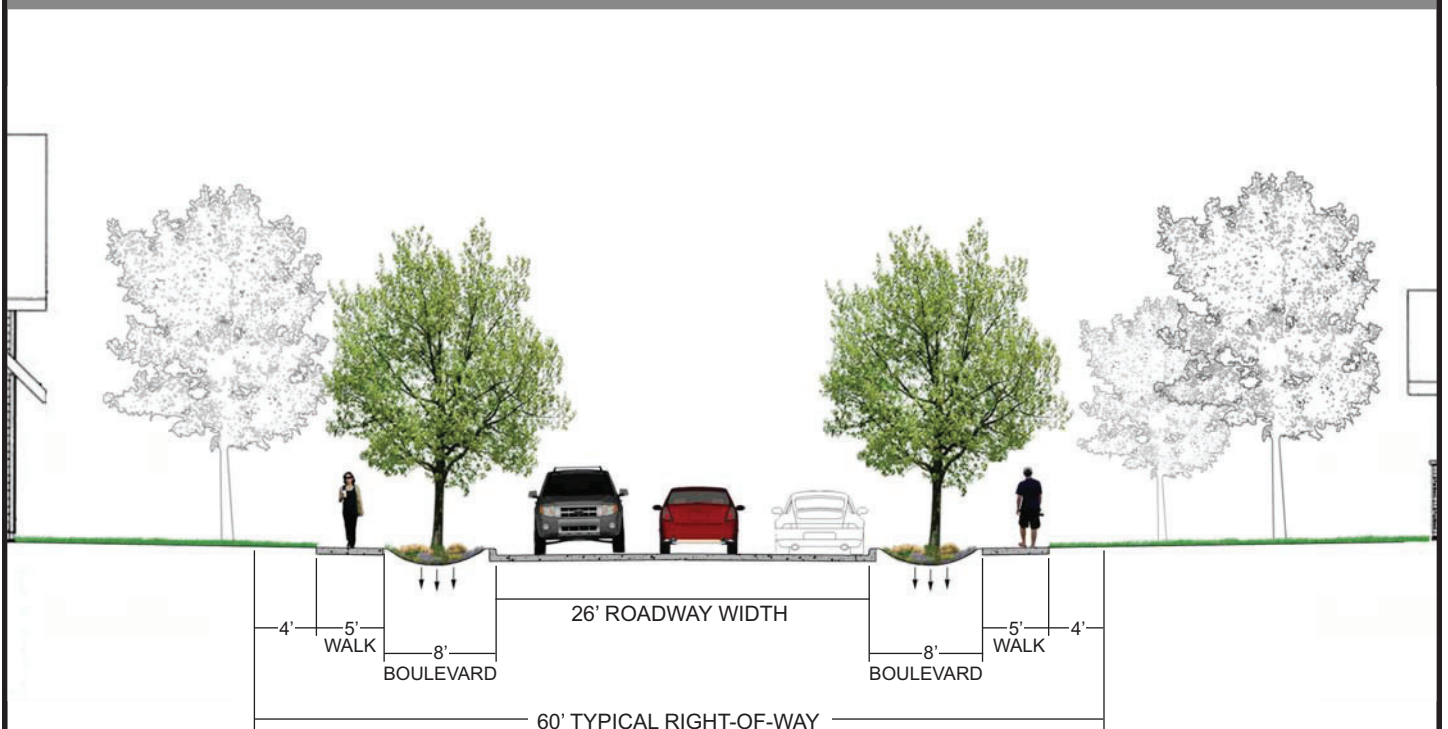
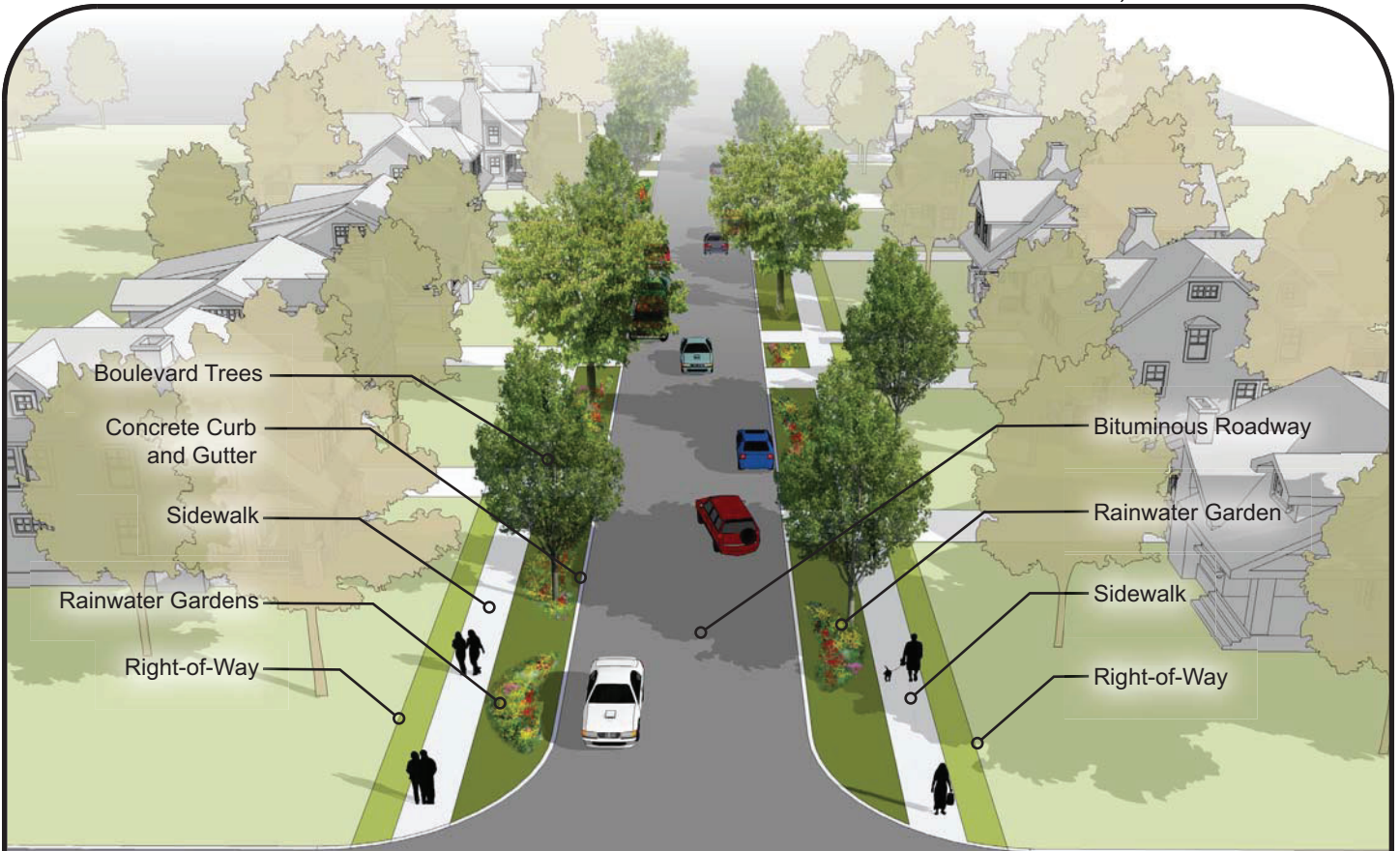
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Note: 24' roadway width may be considered in appropriate context

Local Street | Option 1

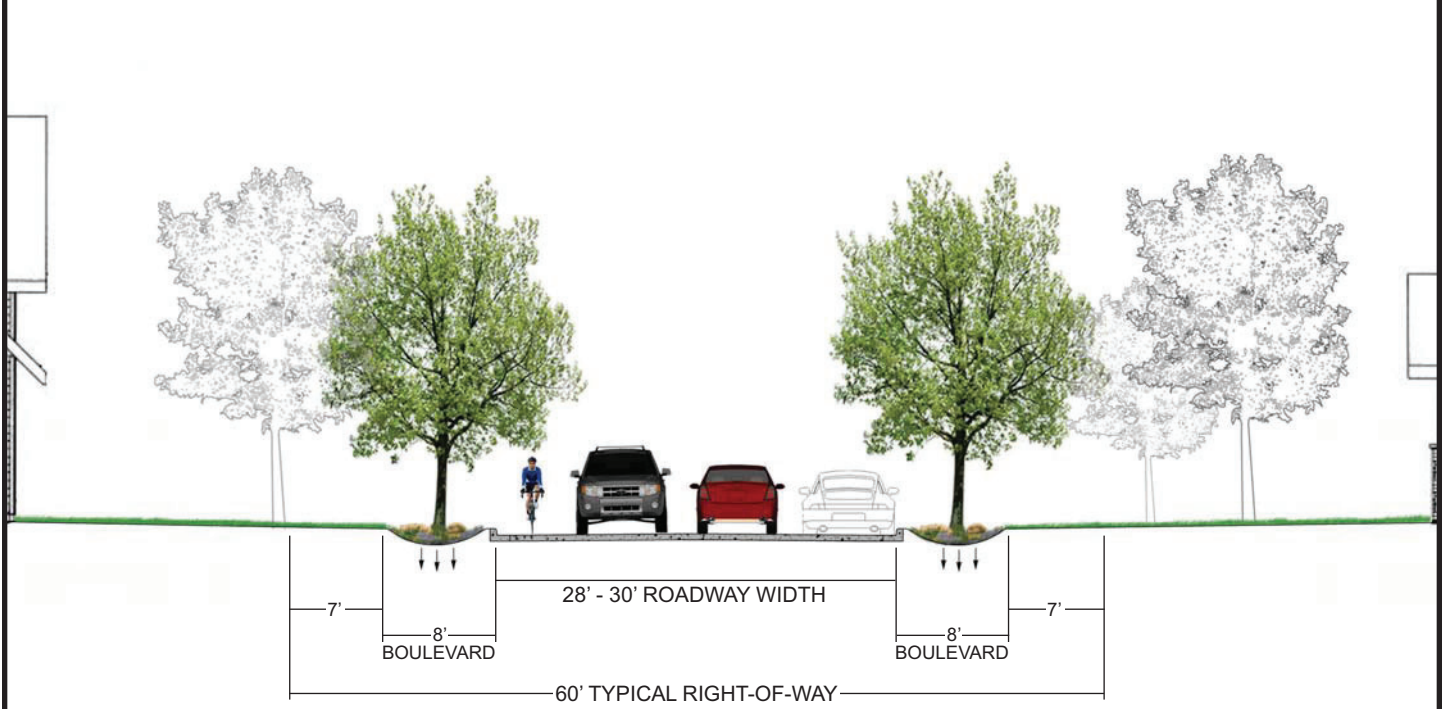
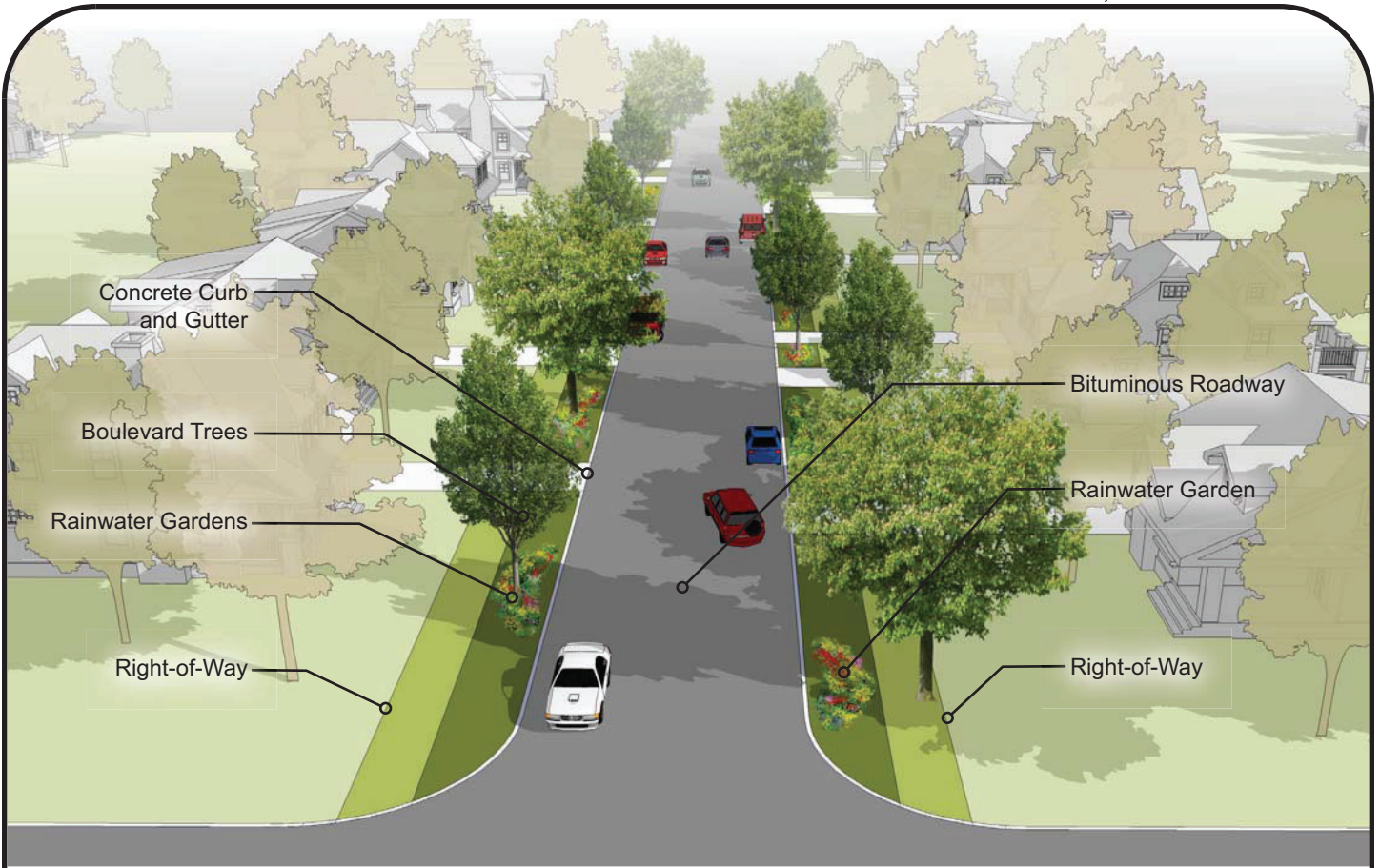




Note: 24' roadway width may be considered in appropriate context

Local Street | Option 2



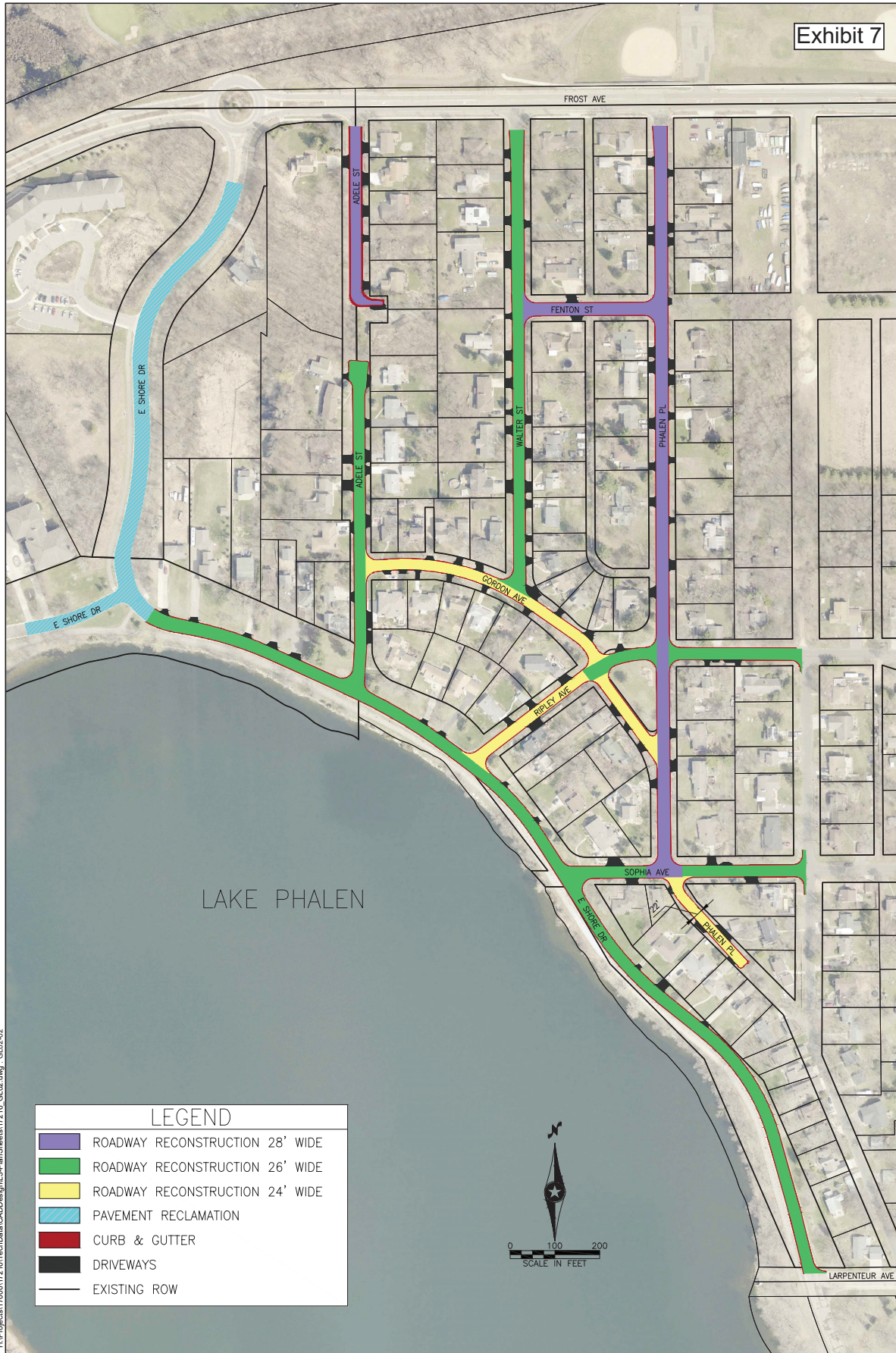


Note: Sidewalk required if street abuts or is in vicinity of a school or park

Local Street | Option 3



Exhibit 7



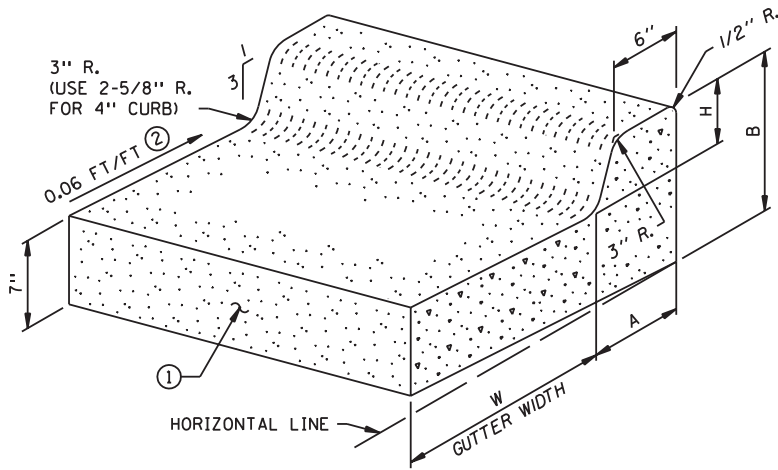
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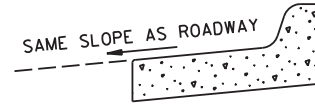
East Shore Area Street Improvements
 Overall Layout
 City of Maplewood, MN

Figure 1

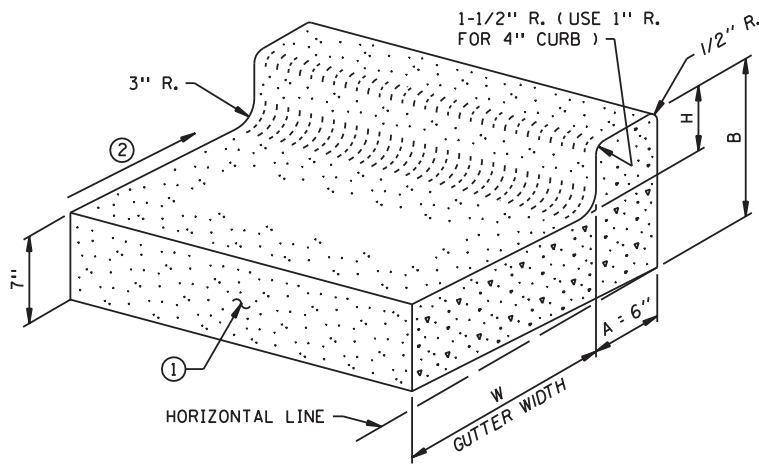
Exhibit 8



DESIGN B



REVERSE SLOPE GUTTER SECTION
(FORMS MAY BE TILTED)



DESIGN V

NOTES:

- ① LONGITUDINAL JOINT WHEN ADJACENT TO RIGID PAVEMENT OR BASE.
SEE STANDARD PLANS MANUAL FOR JOINT INFORMATION.
- ② SLOPE 0.06 FT/FT NORMAL, UNLESS OTHERWISE SPECIFIED. IF A DIFFERENT GUTTER SLOPE IS PERMITTED, THE FORM MAY BE TILTED.

DESIGN B			W = 12"			W = 18"			W = 24"			W = 30"			W = 36"		
			CONCRETE			CONCRETE			CONCRETE			CONCRETE			CONCRETE		
DIMENSIONS			DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.
H	A	B															
4	7-3/8"	11-1/2"	B412	0.0421	23.8	B418	0.0529	18.9	B424	0.0637	15.7	B430	0.0745	13.4	B436	0.0853	11.7
6	8"	13-1/2"	B612	0.0474	21.1	B618	0.0582	17.2	B624	0.0690	14.5	B630	0.0798	12.5	B636	0.0906	11.0
8	8-5/8"	15-1/2"	B812	0.0529	18.9	B818	0.0637	15.7	B824	0.0745	13.4	B830	0.0853	11.7	B836	0.0962	10.4
9	9"	16-5/8"	B912	0.0559	17.9	B918	0.0667	15.0	B924	0.0775	12.9	B930	0.0883	11.3	B936	0.0991	10.1
10	9-3/8"	17-5/8"	B1012	0.0589	17.0	B1018	0.0697	14.4	B1024	0.0805	12.4	B1030	0.0913	11.0	B1036	0.1021	9.8

DESIGN V			W = 12"			W = 18"			W = 24"			W = 30"			W = 36"		
			CONCRETE			CONCRETE			CONCRETE			CONCRETE			CONCRETE		
DIMENSIONS			DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.	DESIGN NO.	CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.
H	A	B															
4	6"	11-3/8"	V412	0.0396	25.3	V418	0.0504	19.9	V424	0.0612	16.4	V430	0.0720	13.9	V436	0.0828	12.1
6	6"	13-3/8"	V612	0.0426	23.5	V618	0.0534	18.7	V624	0.0642	15.6	V630	0.0750	13.4	V636	0.0858	11.7
8	6"	15-3/8"	V812	0.0457	21.9	V818	0.0565	17.7	V824	0.0673	14.9	V830	0.0781	12.8	V836	0.0889	11.3
9	6"	16-3/8"	V912	0.0472	21.2	V918	0.0580	17.2	V924	0.0688	14.5	V930	0.0796	12.6	V936	0.0904	11.1
10	6"	17-3/8"	V1012	0.0487	20.5	V1018	0.0595	16.8	V1024	0.0703	14.2	V1030	0.0811	12.4	V1036	0.0919	10.9

APPROVED MARCH 11, 1994

R.H. Corbett

ACTING STATE DESIGN ENGINEER

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

CONCRETE CURB AND GUTTER
DESIGN B AND DESIGN V

SPECIFICATION
REFERENCE
2531

REVISION DATE
2-28-05

STANDARD
PLATE
NO.

7100H

**2024 Maplewood Street Improvements
Cypress-Maplewood Drive Area
Preliminary Cost Estimate
Street and Utility Improvements
Maplewood City Project, 23-08**

Exhibit 9

Preliminary Cost Estimate, Cypress-Maplewood Drive Area, City Project 23-08					
Item	Description	Unit	Estimated Unit Price	TOTAL	
				Estimated Quantity	Estimated Cost
STREET IMPROVEMENTS					
2021.501	MOBILIZATION	LS	\$ 100,000.00	1.00	\$ 100,000.00
2101.502	CLEARING AND GRUBBING	EACH	\$ 600.00	2.00	\$ 1,200.00
2104.503	REMOVE CONCRETE CURB & GUTTER	LF	\$ 5.50	3,920.00	\$ 21,560.00
2104.503	SAW BITUMINOUS ROADWAY PAVEMENT (FULL DEPTH)	LF	\$ 3.25	447.00	\$ 1,452.75
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SY	\$ 11.50	126.00	\$ 1,449.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT/APRON/WALK	SY	\$ 15.25	103.00	\$ 1,570.75
2106.507	SUBGRADE EXCAVATION (EV)	CY	\$ 28.00	1,135.00	\$ 31,780.00
2106.507	SALVAGE, STOCKPILE, INSTALL RECLAIM MATERIAL	CY	\$ 15.00	1,135.00	\$ 17,025.00
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$ 180.00	89.00	\$ 16,020.00
2130.523	WATER FOR DUST CONTROL	MGAL	\$ 41.00	347.00	\$ 14,227.00
2215.504	FULL DEPTH RECLAMATION (10-INCH DEPTH)	SY	\$ 3.80	37,334.00	\$ 141,869.20
2232.503	EDGE MILL BITUMINOUS SURFACE, 2.5-INCH DEPTH	LF	\$ 3.00	447.00	\$ 1,341.00
2331.603	JOINT ADHESIVE	LF	\$ 0.75	21,522.00	\$ 16,141.50
2331.603	BITUMINOUS ROAD PAVEMENT CONTROL JOINT SAW AND SEAL	LF	\$ 4.50	9,424.00	\$ 42,408.00
2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	\$ 2.00	2,986.00	\$ 5,972.00
2360.504	TYPE SPWEA330B BITUMINOUS MIXTURE (1 - 3-INCH LIFT, RESIDENTIAL DRIVEWAY)	SY	\$ 34.00	88.00	\$ 2,992.00
2360.504	TYPE SPWEA430B BITUMINOUS MIXTURE (2 - 2-INCH LIFTS, COMMERCIAL DRIVEWAY)	SY	\$ 40.00	38.00	\$ 1,520.00
2360.509	TYPE SPWEA330C BITUMINOUS WEARING COURSE MIXTURE	TON	\$ 105.00	4,117.00	\$ 432,285.00
2360.509	TYPE SPWEB330C BITUMINOUS NON-WEARING COURSE MIXTURE	TON	\$ 105.00	4,614.00	\$ 484,470.00
2521.518	4" CONCRETE WALK	SF	\$ 7.25	50.00	\$ 362.50
2531.503	CONCRETE CURB & GUTTER DESIGN B618, B624, D412, TRANSITION	LF	\$ 32.00	3,920.00	\$ 125,440.00
2531.504	6" CONCRETE DRIVEWAY PAVEMENT, RESIDENTIAL	SY	\$ 98.00	38.00	\$ 3,724.00
2531.504	8" CONCRETE DRIVEWAY PAVEMENT, COMMERCIAL	SY	\$ 147.00	65.00	\$ 9,555.00
2531.618	6-INCH CONCRETE PEDESTRIAN CURB RAMP	SF	\$ 17.75	200.00	\$ 3,550.00
2531.618	TRUNCATED DOMES	SF	\$ 70.00	16.00	\$ 1,120.00
2563.601	TRAFFIC CONTROL - NEIGHBORHOOD	LS	\$ 50,000.00	1.00	\$ 50,000.00
2571.502	DECIDUOUS TREE NO 20 CONT	EACH	\$ 675.00	2.00	\$ 1,350.00
2573.501	EROSION CONTROL, CONTRACTOR'S PLAN	LS	\$ 5,000.00	1.00	\$ 5,000.00
2573.502	STORM DRAIN INLET PROTECTION (ALL TYPES)	EACH	\$ 160.00	64.00	\$ 10,240.00
2573.502	STABILIZED CONSTRUCTION EXIT	EACH	\$ 1,000.00	8.00	\$ 8,000.00
2573.503	SEDIMENT CONTROL LOG TYPE COMPOST	LF	\$ 9.00	110.00	\$ 990.00
2574.504	LOAM TOPSOIL BORROW (4-INCH)	SY	\$ 5.00	1,307.00	\$ 6,535.00
2574.508	COMMERCIAL FERTILIZER TYPE 1, 10-10-10 FOR SODDED/SEEDED AREAS (300 LBS/ACRE)	LB	\$ 1.75	80.00	\$ 140.00
2575.504	EROSION CONTROL BLANKET (FUTERRA F4 NETLESS, BY RAMY TURF PRODUCTS OR APPROVED EQUAL)	SY	\$ 4.50	1,307.00	\$ 5,881.50

Preliminary Cost Estimate, Cypress-Maplewood Drive Area, City Project 23-08

Item	Description	Unit	Estimated Unit Price	TOTAL	
				Estimated Quantity	Estimated Cost
2575.508	TURF ESTABLISHMENT STREET SIDE BOULEVARD SALT TOLERANT SEED BY RAMY TURF (300 LB/ACRE)	L B	\$ 8.00	80.00	\$ 640.00
2575.523	WATER FOR TURF ESTABLISHMENT (ADDITIONAL)	MGAL	\$ 65.00	55.00	\$ 3,575.00
				TOTAL =	\$ 1,571,386.20

STORM SEWER SYSTEM IMPROVEMENTS

2104.502	REMOVE & DISPOSE OF STORM SEWER PIPE (ANY SIZE & TYPE)	EACH	\$ 17.00	445.00	\$ 7,565.00
2104.502	REMOVE/ABANDON DRAINAGE STRUCTURE (CB, MH OR CB-MH)	EACH	\$ 875.00	13.00	\$ 11,375.00
2104.502	SALVAGE STORM SEWER CASTING	EACH	\$ 200.00	15.00	\$ 3,000.00
2451.603	PIPE BEDDING MATERIAL FOR STORM SEWER, MAPLEWOOD STANDARD PLATE 340 & 341	L F	\$ 10.00	445.00	\$ 4,450.00
2501.502	24-INCH HDPE PIPE APRON	EACH	\$ 1,900.00	1.00	\$ 1,900.00
2501.502	11-INCH HEIGHT x 18-INCH SPAN RC ARCH PIPE APRON	EACH	\$ 1,900.00	2.00	\$ 3,800.00
2503.503	15" SCH 40 PVC PIPE SEWER	L F	\$ 85.00	10.00	\$ 850.00
2503.503	24-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	L F	\$ 120.00	12.00	\$ 1,440.00
2503.503	12" RC PIPE SEWER	L F	\$ 90.00	131.00	\$ 11,790.00
2503.503	15" RC PIPE SEWER	L F	\$ 95.00	72.00	\$ 6,840.00
2503.503	18" RC PIPE SEWER	L F	\$ 125.00	40.00	\$ 5,000.00
2503.503	24" RC PIPE SEWER	L F	\$ 135.00	60.00	\$ 8,100.00
2503.503	27" RC PIPE SEWER	L F	\$ 195.00	20.00	\$ 3,900.00
2503.503	36" RC PIPE SEWER	L F	\$ 250.00	30.00	\$ 7,500.00
2503.503	11-INCH HEIGHT x 18-INCH SPAN RC ARCH PIPE	L F	\$ 100.00	70.00	\$ 7,000.00
2503.502	CONNECT TO EXISTING STORM SEWER PIPE	EACH	\$ 1,100.00	23.00	\$ 25,300.00
2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 2' x 3' BOX	EACH	\$ 3,000.00	1.00	\$ 3,000.00
2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 48-INCH CB/MH	EACH	\$ 5,000.00	9.00	\$ 45,000.00
2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 60-INCH CB/MH	EACH	\$ 9,000.00	1.00	\$ 9,000.00
2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 72-INCH CB/MH	EACH	\$ 12,000.00	1.00	\$ 12,000.00
2506.502	FURNISH & INSTALL R-1678-A FRAME & SOLID LID FOR STORM SEWER	EACH	\$ 1,100.00	1.00	\$ 1,100.00
2506.502	FURNISH & INSTALL R-3067-V FRAME & V GRATE FOR STORM SEWER	EACH	\$ 950.00	11.00	\$ 10,450.00
2506.502	FURNISH & INSTALL R-3250-1 FRAME & K GRATE FOR STORM SEWER	EACH	\$ 1,100.00	4.00	\$ 4,400.00
2506.502	FURNISH & INSTALL R-3290-A FRAME & C GRATE FOR STORM SEWER	EACH	\$ 1,100.00	1.00	\$ 1,100.00
2506.502	ADJUST EXISTING STORM SEWER CASTING (ALL TYPES)	EACH	\$ 600.00	29.00	\$ 21,600.00
2506.601	REHABILITATE EXISTING STORM SEWER INVERT(S)/DOGHOUSE(S)	EACH	\$ 1,200.00	3.00	\$ 2,400.00
2506.601	REHABILITATE EXISTING STORM SEWER ADJUSTMENT RINGS W/FLEX SEAL UTILITY SEALANT, MAPLEWOOD STANDARD PL	EACH	\$ 750.00	5.00	\$ 4,500.00
2511.507	GEOTEXTILE FILTER FABRIC TYPE 4 NON-WOVEN FOR RIPRAP	S Y	\$ 20.00	100.00	\$ 2,000.00
2511.507	RANDOM RIPRAP CLASS III	C Y	\$ 150.00	40.00	\$ 6,000.00
				TOTAL =	\$ 232,360.00

SANITARY SEWER SYSTEM IMPROVEMENTS

2104.502	SALVAGE SANITARY SEWER CASTING	EACH	\$ 200.00	24.00	\$ 4,800.00
2506.502	FURNISH & INSTALL R-1678-A FRAME & R-1422-0015 LID FOR SANITARY SEWER	EACH	\$ 1,250.00	24.00	\$ 30,000.00
2506.502	ADJUST EXISTING SANITARY SEWER CASTING (ALL TYPES)	EACH	\$ 900.00	14.00	\$ 12,600.00
				TOTAL =	\$ 47,400.00

WATER SYSTEM IMPROVEMENTS

Preliminary Cost Estimate, Cypress-Maplewood Drive Area, City Project 23-08

Item	Description	Unit	Estimated Unit Price	TOTAL	
				Estimated Quantity	Estimated Cost
2504.602	ADJUST CURB BOX	EACH	\$ 150.00	11.00	\$ 1,650.00
2504.602	REPAIR VALVE BOX	EACH	\$ 900.00	14.00	\$ 12,600.00
2504.602	ADJUST VALVE BOX	EACH	\$ 550.00	14.00	\$ 7,700.00
2504.602	REPLACE VALVE BOX	EACH	\$ 2,500.00	1.00	\$ 2,500.00
2504.602	WATER UTILITY HOLE	EACH	\$ 2,500.00	1.00	\$ 2,500.00
2504.602	SACRIFICIAL ANODE RETROFIT	EACH	\$ 1,200.00	96.00	\$ 115,200.00
2504.602	CATHODIC PROTECTION TEST STATION	EACH	\$ 1,000.00	13.00	\$ 13,000.00
2506.602	CASTING ASSEMBLY SPECIAL (SPRWS STANDARD PLATE D14)	EACH	\$ 250.00	11.00	\$ 2,750.00
				TOTAL =	\$ 157,900.00

TOTAL = \$ 2,009,046.20

Subtotal:	\$ 2,009,046.20
+ 10% Contingencies:	\$ 200,904.62
Subtotal Estimated Construction Costs:	\$ 2,209,950.82
+ Estimated Easement Costs:	
+ 12.0% Geotechnical, Legal, and Fiscal Expenses:	\$ 265,194.10
Total Estimated Project Costs:	\$ 2,475,144.92

**2024 Maplewood Street Improvements
 East Shore Drive Area
 Preliminary Cost Estimate
 Street and Utility Improvements
 Maplewood City Project, 23-08**

Preliminary Cost Estimate, East Shore Drive Area, City Project 23-08					
Item	Description	Unit	Estimated Unit Price	TOTAL	
				Estimated Quantity	Estimated Cost
STREET IMPROVEMENTS					
2021.501	MOBILIZATION	LS	\$ 275,000.00	1.000	\$ 275,000.00
2101.502	CLEARING AND GRUBBING	EACH	\$ 900.00	67.00	\$ 60,300.00
2104.502	SALVAGE MAIL BOX ASSEMBLY, ALL TYPES	EACH	\$ 107.00	126.00	\$ 13,482.00
2104.503	REMOVE CONCRETE CURB & GUTTER	L F	\$ 6.60	4,830.00	\$ 31,878.00
2104.503	SAW BITUMINOUS ROADWAY PAVEMENT (FULL DEPTH)	L F	\$ 3.50	630.00	\$ 2,205.00
2104.504	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	S Y	\$ 8.00	2,443.00	\$ 19,544.00
2104.504	REMOVE CONCRETE DRIVEWAY PAVEMENT/APRON/WALK	S Y	\$ 13.00	2,190.00	\$ 28,470.00
2104.504	REMOVE BITUMINOUS ROADWAY PAVEMENT (INCLUDES BIT. CURB)	S Y	\$ 3.35	37,519.00	\$ 125,688.65
2106.507	GRANULAR EMBANKMENT MATERIAL (CV)	C Y	\$ 21.00	1,033.00	\$ 21,693.00
2106.507	SELECT GRANULAR EMBANKMENT MATERIAL (CV)	C Y	\$ 22.00	10,342.00	\$ 227,524.00
2106.507	SUBGRADE EXCAVATION (EV)	C Y	\$ 23.50	10,342.00	\$ 243,037.00
2106.507	COMMON EXCAVATION (EV) (P)	C Y	\$ 33.50	9,256.00	\$ 310,076.00
2106.507	SALVAGE, STOCKPILE, INSTALL RECLAIM MATERIAL	C Y	\$ 10.50	237.00	\$ 2,488.50
2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	\$ 180.00	69.00	\$ 12,420.00
2130.523	WATER FOR DUST CONTROL	MGAL	\$ 56.00	251.00	\$ 14,056.00
2211.504	AGGREGATE BASE CLASS 6 FOR RESIDENTIAL CONCRETE DRIVEWAYS, 4" THICK	S Y	\$ 7.25	2,410.00	\$ 17,472.50
2211.504	AGGREGATE BASE CLASS 6 FOR BITUMINOUS DRIVEWAYS, 6" THICK	S Y	\$ 10.50	2,688.00	\$ 28,224.00
2211.504	AGGREGATE BASE CLASS 6 FOR WALKS/PEDESTRIAN RAMPS, 4" THICK	S Y	\$ 7.25	1,210.00	\$ 8,772.50
2211.509	AGGREGATE BASE CLASS 6 FOR STREETS	TON	\$ 17.50	12,412.00	\$ 217,210.00
2215.504	FULL DEPTH RECLAMATION (10-INCH DEPTH)	S Y	\$ 3.80	4,740.00	\$ 18,012.00
2232.503	EDGE MILL BITUMINOUS SURFACE, 2.5-INCH DEPTH	L F	\$ 2.50	630.00	\$ 1,575.00
2331.603	JOINT ADHESIVE	L F	\$ 0.75	22,760.00	\$ 17,070.00
2331.603	BITUMINOUS ROAD PAVEMENT CONTROL JOINT SAW AND SEAL	L F	\$ 4.65	8,243.00	\$ 38,329.95
2355.506	BITUMINOUS FOG SEAL (TYPE CSS-1H)	GAL	\$ 8.10	6,500.00	\$ 52,650.00
2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	\$ 2.00	3,001.00	\$ 6,002.00
2360.504	TYPE SPWEA330B BITUMINOUS MIXTURE (1 - 3-INCH LIFT, RESIDENTIAL DRIVEWAY)	S Y	\$ 31.00	2,443.00	\$ 75,733.00
2360.509	TYPE SPWEA330C BITUMINOUS WEARING COURSE MIXTURE	TON	\$ 105.00	3,273.00	\$ 343,665.00
2360.509	TYPE SPWEB330C BITUMINOUS NON-WEARING COURSE MIXTURE	TON	\$ 100.00	4,565.00	\$ 456,500.00
2502.503	4-INCH PERFORATED DRAIN TUBING WITH TYPE 1 SOCK (STREET SUBCUT, INCLUDES FINE-FILTER AGGREGATE)	LF	\$ 20.00	2,250.00	\$ 45,000.00
2521.518	4" CONCRETE WALK	S F	\$ 7.50	1,200.00	\$ 9,000.00
2531.503	CONCRETE CURB & GUTTER DESIGN B618, RIBBON OR TRANSITION (MACHINE-PLACED)	L F	\$ 26.00	19,980.00	\$ 519,480.00
2531.503	CONCRETE CURB & GUTTER DESIGN B618, RIBBON OR TRANSITION (HAND-FORMED)	L F	\$ 36.00	556.00	\$ 20,016.00
2531.504	6" CONCRETE DRIVEWAY PAVEMENT, RESIDENTIAL	S Y	\$ 92.00	2,190.00	\$ 201,480.00
2531.618	6-INCH CONCRETE PEDESTRIAN CURB RAMP	S F	\$ 18.50	1,100.00	\$ 20,350.00

Preliminary Cost Estimate, East Shore Drive Area, City Project 23-08

Item	Description	Unit	Estimated Unit Price	TOTAL	
				Estimated Quantity	Estimated Cost
2531.618	TRUNCATED DOMES	S F	\$ 75.00	176.00	\$ 13,200.00
2540.601	REHABILITATE EXISTING BLOCK RETAINING WALL(S)	LS	\$ 120,000.00	1.00	\$ 120,000.00
2540.602	INSTALL SALVAGED POST WITH SINGLE MAIL AND/OR NEWS BOX	EACH	\$ 175.00	126.00	\$ 22,050.00
2540.602	FURNISH & INSTALL POST WITH SINGLE MAIL AND/OR NEWS BOX	EACH	\$ 225.00	11.00	\$ 2,475.00
2563.601	TRAFFIC CONTROL - NEIGHBORHOOD	L S	\$ 50,000.00	1.000	\$ 50,000.00
2563.601	TRAFFIC CONTROL - OFFSITE BITUMINOUS FOG SEAL	L S	\$ 10,000.00	1.000	\$ 10,000.00
2563.601	TRAFFIC CONTROL - OFFSITE SANITARY SEWER LINING	L S	\$ 10,000.00	1.000	\$ 10,000.00
2571.502	DECIDUOUS TREE NO 20 CONT	EACH	\$ 650.00	67.00	\$ 43,550.00
2573.501	EROSION CONTROL, CONTRACTOR'S PLAN	LS	\$ 10,000.00	1.000	\$ 10,000.00
2573.502	STORM DRAIN INLET PROTECTION (ALL TYPES)	EACH	\$ 200.00	136.00	\$ 27,200.00
2573.502	STABILIZED CONSTRUCTION EXIT	EACH	\$ 1,300.00	11.00	\$ 14,300.00
2573.503	FLOTATION SILT CURTAIN TYPE STILL WATER	LF	\$ 35.00	250.00	\$ 8,750.00
2573.503	SILT FENCE; TYPE HEAVY DUTY	LF	\$ 3.75	2,610.00	\$ 9,787.50
2573.503	SEDIMENT CONTROL LOG TYPE COMPOST	LF	\$ 3.75	2,860.00	\$ 10,725.00
2574.504	LOAM TOPSOIL BORROW (4-INCH)	S Y	\$ 3.25	29,820.00	\$ 96,915.00
2574.508	COMMERCIAL FERTILIZER TYPE 1, 10-10-10 FOR SODDED/SEEDED AREAS (300 LBS/ACRE)	LB	\$ 1.00	1,848.00	\$ 1,848.00
2575.504	SODDING TYPE MINERAL	S Y	\$ 9.50	29,634.00	\$ 281,523.00
2575.504	EROSION CONTROL BLANKET (FUTERRA F4 NETLESS, BY RAMY TURF PRODUCTS OR APPROVED EQUAL)	S Y	\$ 3.50	386.00	\$ 1,351.00
2575.508	TURF ESTABLISHMENT STREET SIDE BOULEVARD SALT TOLERANT SEED BY RAMY TURF (300 LB/ACRE)	L B	\$ 20.00	30.00	\$ 600.00
2575.523	WATER FOR TURF ESTABLISHMENT (ADDITIONAL)	MGAL	\$ 55.00	130.00	\$ 7,150.00
				TOTAL =	\$ 4,225,828.60

STORM SEWER SYSTEM IMPROVEMENTS

2104.502	REMOVE & DISPOSE OF STORM SEWER PIPE (ANY SIZE & TYPE)	EACH	\$ 19.00	1,920.00	\$ 36,480.00
2104.502	REMOVE/ABANDON DRAINAGE STRUCTURE (CB, MH OR CB-MH)	EACH	\$ 650.00	34.00	\$ 22,100.00
2104.502	SALVAGE STORM SEWER CASTING	EACH	\$ 190.00	34.00	\$ 6,460.00
2411.618	DRY-STACK IRREGULAR STONE RETAINING WALL	S F	\$ 50.00	1,250.00	\$ 62,500.00
2451.603	PIPE BEDDING MATERIAL FOR STORM SEWER, MAPLEWOOD STANDARD PLATE 340 & 341	LF	\$ 8.00	4,467.00	\$ 35,736.00
2501.502	24-INCH HDPE PIPE APRON	EACH	\$ 1,350.00	1.00	\$ 1,350.00
2502.502	4" PVC PIPE DRAIN CLEANOUT	EACH	\$ 1,000.00	18.00	\$ 18,000.00
2502.503	4-INCH PERFORATED DRAIN TUBING WITH TYPE 1 SOCK (RAINWATER GARDEN)	LF	\$ 20.00	930.00	\$ 18,600.00
2503.503	12-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	\$ 47.50	140.00	\$ 6,650.00
2503.503	15-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	\$ 52.50	2,594.00	\$ 136,185.00
2503.503	18-INCH CORRUGATED SMOOTH WALL HDPE PIPE SEWER	LF	\$ 57.50	526.00	\$ 30,245.00
2503.503	24" RC PIPE SEWER CLASS IV	LF	\$ 120.00	264.00	\$ 31,680.00
2503.503	30" RC PIPE SEWER CLASS IV	LF	\$ 160.00	828.00	\$ 132,480.00
2503.503	36" RC PIPE SEWER CLASS IV	LF	\$ 200.00	115.00	\$ 23,000.00
2503.502	CONNECT TO EXISTING STORM SEWER PIPE	EACH	\$ 1,500.00	19.00	\$ 28,500.00
2503.502	CONNECT TO EXISTING STORM SEWER STRUCTURE	EACH	\$ 2,000.00	1.00	\$ 2,000.00
2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 2' x 3' BOX	EACH	\$ 2,500.00	27.00	\$ 67,500.00
2506.502	CONSTRUCT DRAINAGE STRUCTURE, DESIGN 48-INCH CB/MH	EACH	\$ 5,000.00	64.00	\$ 320,000.00
2506.502	FURNISH & INSTALL R-1678-A FRAME & SOLID LID FOR STORM SEWER	EACH	\$ 1,250.00	7.00	\$ 8,750.00
2506.502	FURNISH & INSTALL R-3067-V FRAME & V GRATE FOR STORM SEWER	EACH	\$ 1,000.00	82.00	\$ 82,000.00

Preliminary Cost Estimate, East Shore Drive Area, City Project 23-08

Item	Description	Unit	Estimated Unit Price	TOTAL	
				Estimated Quantity	Estimated Cost
2506.502	ADJUST EXISTING STORM SEWER CASTING (ALL TYPES)	EACH	\$ 650.00	24.00	\$ 15,600.00
2511.507	GEOTEXTILE FILTER FABRIC TYPE 4 NON-WOVEN FOR RIPRAP	S Y	\$ 5.00	20.00	\$ 100.00
2511.507	RANDOM RIPRAP CLASS III	C Y	\$ 150.00	10.00	\$ 1,500.00
2571.502	DECIDUOUS SHRUB NO 2 CONT	EACH	\$ 55.00	75.00	\$ 4,125.00
2571.502	PERENNIAL NO 1 CONT	EACH	\$ 25.00	400.00	\$ 10,000.00
2571.502	LANDSCAPING BLOCK RESIDENTIAL RAINWATER GARDEN SPLASH BLOCK ASSEMBLY	EACH	\$ 2,750.00	25.00	\$ 68,750.00
2571.618	RESIDENTIAL RAINWATER GARDEN PREPARATION	S F	\$ 21.00	6,250.00	\$ 131,250.00
2573.501	WATER QUALITY IMPROVEMENTS	LS	\$ 400,000.00	1.00	\$ 398,111.78
				TOTAL =	\$ 1,699,652.78

SANITARY SEWER SYSTEM IMPROVEMENTS

2104.502	SALVAGE SANITARY SEWER CASTING	EACH	\$ 230.00	39.00	\$ 8,970.00
2451.603	PIPE BEDDING MATERIAL FOR SANITARY SEWER, MAPLEWOOD STANDARD PLATE 340 & 341	L F	\$ 5.00	1,250.00	\$ 6,250.00
2503.503	4-INCH OR 6-INCH SCHEDULE 40 SANITARY SEWER SERVICE REPLACEMENT PER MAPLEWOOD PLATE 410 OR 410A	L F	\$ 65.00	1,250.00	\$ 81,250.00
2503.603	LINING SEWER PIPE 8"	L F	\$ 45.00	3,431.00	\$ 154,395.00
2506.502	FURNISH & INSTALL R-1678-A FRAME & R-1422-0015 LID FOR SANITARY SEWER	EACH	\$ 1,250.00	39.00	\$ 48,750.00
2506.502	ADJUST EXISTING SANITARY SEWER CASTING (ALL TYPES)	EACH	\$ 1,250.00	8.00	\$ 10,000.00
2506.503	RECONSTRUCT SANITARY SEWER MANHOLE	L F	\$ 1,500.00	13.00	\$ 19,500.00
				TOTAL =	\$ 329,115.00

WATER SYSTEM IMPROVEMENTS

2104.502	REMOVE HYDRANT	EACH	\$ 1,275.00	3.00	\$ 3,825.00
2104.503	REMOVE WATER MAIN (ANY SIZE) (OPEN CUT AREAS ONLY)	L F	\$ 8.15	2,558.00	\$ 20,847.70
2451.609	GRANULAR BACKFILL (FOR WATER MAIN)	TON	\$ 9.75	4,298.00	\$ 41,905.50
2504.602	ADJUST CURB BOX	EACH	\$ 90.00	22.00	\$ 1,980.00
2504.602	REPAIR VALVE BOX	EACH	\$ 1,500.00	8.00	\$ 12,000.00
2504.602	ADJUST VALVE BOX	EACH	\$ 500.00	26.00	\$ 13,000.00
2504.602	HYDRANT (MAPLEWOOD STANDARD)	EACH	\$ 9,500.00	3.00	\$ 28,500.00
2504.602	6-INCH GATE VALVE AND BOX	EACH	\$ 3,500.00	7.00	\$ 24,500.00
2504.602	8-INCH GATE VALVE AND BOX	EACH	\$ 4,850.00	9.00	\$ 43,650.00
2504.602	1.0-INCH CORPERATION STOP	EACH	\$ 1,600.00	43.00	\$ 68,800.00
2504.602	SACRIFICIAL ANODE	EACH	\$ 850.00	26.00	\$ 22,100.00
2504.603	6" - 8" WATERMAIN DUCTILE IRON CL 53	L F	\$ 100.00	2,558.00	\$ 255,800.00
2504.603	1.0-INCH TYPE K COPPER	L F	\$ 60.00	60.00	\$ 3,600.00
2504.604	2-INCH INSULATION	S Y	\$ 25.00	28.00	\$ 700.00
2504.608	DUCTILE AND GREY IRON FITTINGS	L B	\$ 25.00	482.00	\$ 12,050.00
2506.602	CASTING ASSEMBLY SPECIAL (SPRWS STANDARD PLATE D14)	EACH	\$ 400.00	32.00	\$ 12,800.00
				TOTAL =	\$ 566,058.20

TOTAL = \$ 6,820,654.58

Preliminary Cost Estimate, East Shore Drive Area, City Project 23-08

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Unit Price</u>	<u>TOTAL</u>	
				<u>Estimated Quantity</u>	<u>Estimated Cost</u>

Subtotal:	\$	6,820,654.58
+ 10% Contingencies:	\$	682,065.46
Subtotal Estimated Construction Costs:	\$	7,502,720.03
+ Estimated Easement Costs:		
+ 12.0% Geotechnical, Legal, and Fiscal Expenses:	\$	900,326.40
Total Estimated Project Costs:	\$	8,403,046.44

**Preliminary Assessment Roll
2024 Maplewood Street Improvements
East Shore Drive Area
City Project 23-08**

Parcel ID	Site Address	Property Type	Improvement Type	Units/Front Footage	Assessment Amount
162922310005	1833 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922310004	1841 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420084	1844 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922310003	1849 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420085	1852 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922310002	1857 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420086	1858 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420106	1866 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420105	1872 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420097	1886 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420018	1890 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420102	1896 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420104	1900 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420103	1906 ADELE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330008	1745 BIRMINGHAM ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330104	1700 CLARENCE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330020	1746 CLARENCE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430046	1740 EAST SHORE DR N	Residential	Partial Reconstruction	1	\$ 4,950.00
162922430045	1744 EAST SHORE DR N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430044	1750 EAST SHORE DR N	Residential	Partial Reconstruction & Full Reconstruction	1	\$ 5,775.00
162922430043	1756 EAST SHORE DR N	Residential	Partial Reconstruction & Full Reconstruction	1	\$ 5,775.00
162922430042	1768 EAST SHORE DR N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430022	1772 EAST SHORE DR N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430020	1784 EAST SHORE DR N	Residential	Partial Reconstruction	1	\$ 4,950.00
162922430019	1796 EAST SHORE DR N	Residential	Partial Reconstruction & Full Reconstruction	1	\$ 5,775.00
162922430018	1800 EAST SHORE DR N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430017	1802 EAST SHORE DR N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420037	1810 EAST SHORE DR N	Residential	Partial Reconstruction	1	\$ 4,950.00
162922420038	1818 EAST SHORE DR N	Residential	Partial Reconstruction	1	\$ 4,950.00
162922420039	1828 EAST SHORE DR N	Residential	Full Reconstruction	1	\$ 6,600.00
162922310006	1832 EAST SHORE DR N	Residential	Full Reconstruction	1	\$ 6,600.00
162922310007	1840 EAST SHORE DR N	Residential	Partial Reconstruction	1	\$ 4,950.00
162922310008	1844 EAST SHORE DR N	Residential	Partial Reconstruction	1	\$ 4,950.00
162922310009	1848 EAST SHORE DR N	Residential	Partial Reconstruction	1	\$ 4,950.00
162922310010	1858 EAST SHORE DR N	Residential	Pavement Rehabilitation	1	\$ 3,450.00
162922310023	1866 EAST SHORE DR N	Residential	Pavement Rehabilitation	1	\$ 3,450.00
162922310029	1870 EAST SHORE DR N	Commercial	Pavement Rehabilitation	472	\$ 32,568.00
162922310018	1874 EAST SHORE DR N	Residential	Pavement Rehabilitation	1	\$ 3,450.00
162922310030	1875 EAST SHORE DR N	Commercial	Pavement Rehabilitation	502	\$ 34,638.00
162922310020	1876 EAST SHORE DR N	Residential	Pavement Rehabilitation	2	\$ 6,900.00
162922310028	1880 EAST SHORE DR N	Commercial	Pavement Rehabilitation	165	\$ 11,385.00
162922420100	1082 FENTON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420056	1100 FENTON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420013	1101 FENTON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922310027	1050 FROST AVE	Residential	Pavement Rehabilitation & Full Reconstruction	4	\$ 24,825.00
162922420089	1053 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420026	1061 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00

162922420031	1066 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420090	1069 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420032	1072 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420033	1080 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420111	1083 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420034	1088 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420035	1092 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420050	1107 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420049	1109 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420048	1111 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420047	1113 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420046	1115 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922430021	1120 GORDON AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
152922330022	1751 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330006	1752 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330023	1759 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330005	1760 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330024	1765 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330004	1770 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330025	1773 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330026	1775 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330003	1776 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330002	1784 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330001	1786 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
152922330027	1787 IDE ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420114	0 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430039	1754 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430038	1758 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430041	1759 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430014	1776 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430023	1777 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430015	1784 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922430016	1790 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420076	1800 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420045	1805 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420060	1814 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420044	1835 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420061	1836 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420043	1843 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420113	1844 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420064	1856 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420042	1857 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420065	1862 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420041	1865 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420040	1871 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420066	1872 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420008	1884 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420007	1890 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420012	1893 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420006	1896 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420011	1899 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420005	1904 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420010	1907 PHALEN PL N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420036	1101 RIPLEY AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420092	1125 RIPLEY AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420059	1133 RIPLEY AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420075	1144 RIPLEY AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
152922330030	1370 SOPHIA AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
152922330103	1376 SOPHIA AVE E	Residential	Full Reconstruction	1	\$ 6,600.00

152922330021	1381 SOPHIA AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
152922330031	1390 SOPHIA AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
152922330032	1398 SOPHIA AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
152922330007	1401 SOPHIA AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
152922330033	1406 SOPHIA AVE E	Residential	Full Reconstruction	1	\$ 6,600.00
162922420051	1828 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420110	1843 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420052	1844 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420053	1852 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420083	1855 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420078	1860 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420082	1865 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420098	1889 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420096	1895 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420014	1896 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420095	1901 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
162922420094	1917 WALTER ST N	Residential	Full Reconstruction	1	\$ 6,600.00
					\$ 865,641.00

Residential Single Family Unit, Full Reconstruction Rate	\$	6,600.00
Residential Single Family Unit, Partial Reconstruction	\$	4,950.00
Residential Single Family Unit, Pavement Rehabilitation Rate	\$	3,450.00
Commercial/Townhome/Multi-Family Pavement Rehabilitation Rate/Front Foot	\$	69.00

Preliminary Assessment Roll
 2024 Maplewood Street Improvements
 Cypress-Maplewood Drive Area
 City Project 23-08

Parcel ID	Site Address	Property Type	Improvement Type	Units/Front Footage	Assessment Amount
92922240090	2458 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240089	2466 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240077	2473 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240088	2474 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240076	2481 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240087	2482 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240075	2489 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240086	2490 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240074	2497 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240085	2498 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240073	2505 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240084	2506 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240072	2513 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240083	2514 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240071	2521 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240082	2522 ADELE ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220024	1306 COUNTY ROAD C E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240095	2415 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240059	2423 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240058	2431 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240057	2439 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240069	2440 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240056	2447 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240068	2448 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240055	2455 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240054	2463 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240053	2471 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240067	2472 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240052	2479 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240066	2480 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240051	2487 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240065	2488 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240050	2495 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240064	2496 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240049	2503 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240063	2504 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240048	2511 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240062	2512 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240047	2519 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240061	2520 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240046	2527 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922210067	2535 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922210066	2543 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922210065	2551 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922210064	2559 CYPRESS ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240078	1009 DEMONT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240079	1017 DEMONT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240080	1025 DEMONT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240081	1033 DEMONT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110114	0 DULUTH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110115	0 DULUTH ST N	Residential, Single Family	Pavement Rehabilitation	2	\$ 6,900.00
92922110112	2580 DULUTH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110113	2617 DULUTH ST N	Commercial	Pavement Rehabilitation	242	\$ 16,698.00
92922110108	2621 DULUTH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110107	2625 DULUTH ST N	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110106	2627 DULUTH ST N	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110105	2631 DULUTH ST N	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110104	2633 DULUTH ST N	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110078	1251 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110079	1253 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00

92922110080	1261 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110099	1262 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110081	1263 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110098	1264 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110082	1271 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110097	1272 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110083	1273 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110096	1274 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110084	1281 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110095	1282 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110085	1283 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110094	1284 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110093	1288 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110092	1290 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110086	1291 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110087	1293 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110091	1294 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110090	1296 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110088	1297 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110089	1299 EDGEHILL CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110069	2575 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220031	2580 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110068	2581 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220030	2586 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110006	2587 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220029	2594 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110005	2597 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110004	2601 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220028	2602 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110003	2607 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220027	2610 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110002	2615 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220026	2618 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
102922220025	2624 ENGLISH ST N	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922110060	1260 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110059	1262 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110043	1265 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110042	1267 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110039	1270 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110038	1272 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110046	1275 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110047	1277 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110041	1280 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110040	1282 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110058	1285 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110057	1287 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110045	1290 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110044	1292 HILLTOP CT E	Residential, Duplex	Pavement Rehabilitation	1	\$ 2,070.00
92922110070	0 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	106	\$ 7,314.00
42922440007	0 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	96	\$ 6,624.00
92922130014	2416 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	380	\$ 26,220.00
92922140013	2490 MAPLEWOOD DR	Commercial	Pavement Rehabilitation	1132	\$ 78,108.00
92922120013	2590 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	1102	\$ 76,038.00
92922110071	2610 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	621	\$ 42,849.00
42922440055	2650 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	290	\$ 20,010.00
42922440021	2672 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	68	\$ 4,692.00
42922440047	2688 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	208	\$ 14,352.00
42922440044	2694 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	119	\$ 8,211.00
42922440042	2700 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	153	\$ 10,557.00
42922440009	2720 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	229	\$ 15,801.00
42922440008	2732 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	160	\$ 11,040.00
42922410015	2780 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	245	\$ 16,905.00
42922410014	2792 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	244	\$ 16,836.00
42922410013	2806 MAPLEWOOD DR N	Commercial	Pavement Rehabilitation	152	\$ 10,488.00
92922240094	1008 SEXTANT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240093	1018 SEXTANT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00

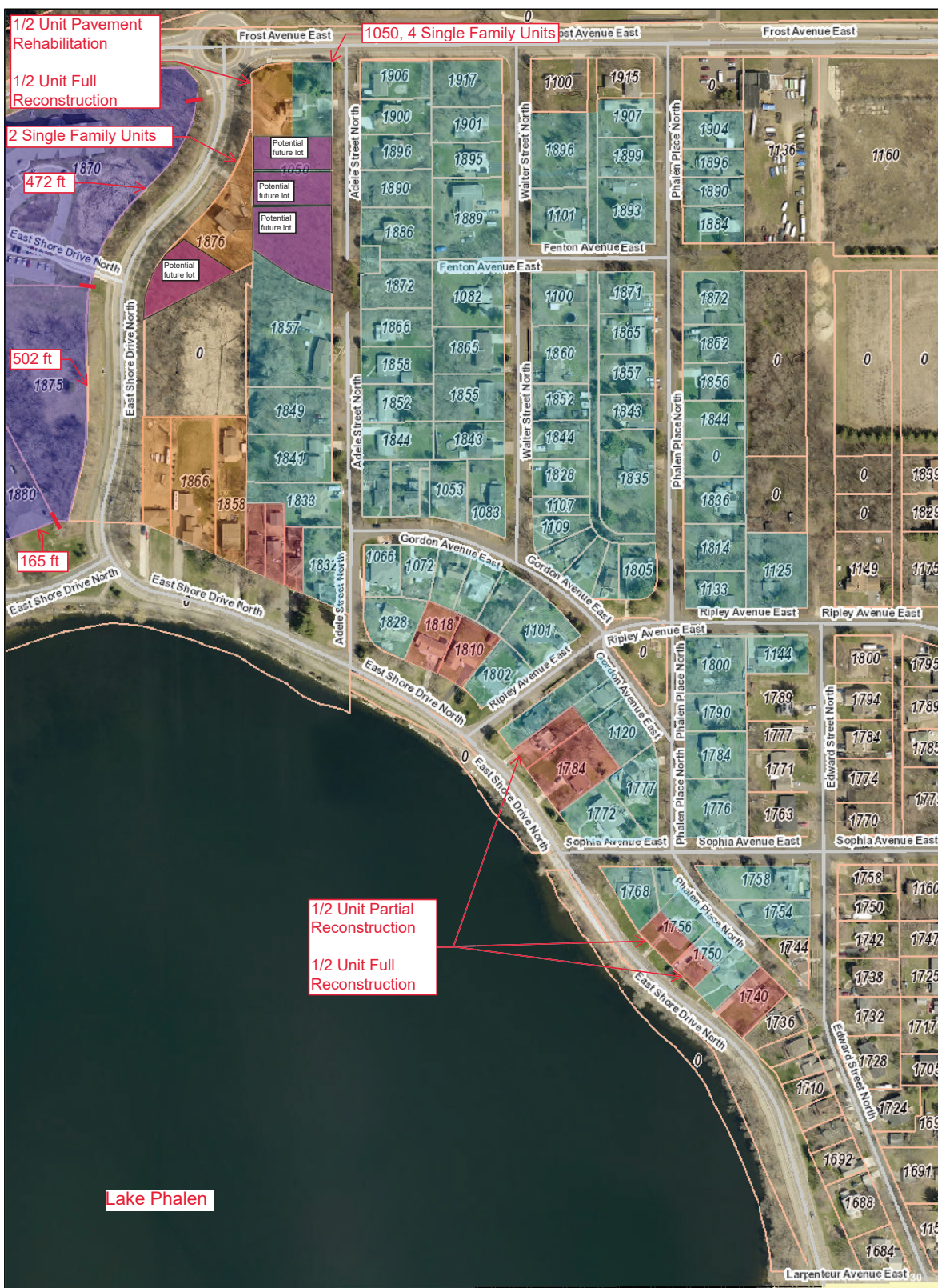
92922240092	1026 SEXTANT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
92922240091	1032 SEXTANT AVE E	Residential, Single Family	Pavement Rehabilitation	1	\$ 3,450.00
					\$ 713,943.00

Residential Single Family Unit, Pavement Rehabilitation Rate	\$	3,450.00
Residential Duplex Unit, Pavement Rehabilitation Rate	\$	2,070.00
Commercial/Townhome/Multi-Family Pavement Rehabilitation Rate/Front Foot	\$	69.00

Residential Duplex	
Average Duplex Front Footage Per Unit=	45
Residential Pavement Rehabilitation Rate per Unit=	\$ 3,450.00
Typical Front Footage for Single Unit Residential=	75
Assessment Rate Per Duplex Unit=	\$ 2,070.00

Assessment Map - East Shore Drive Area

Exhibit 11



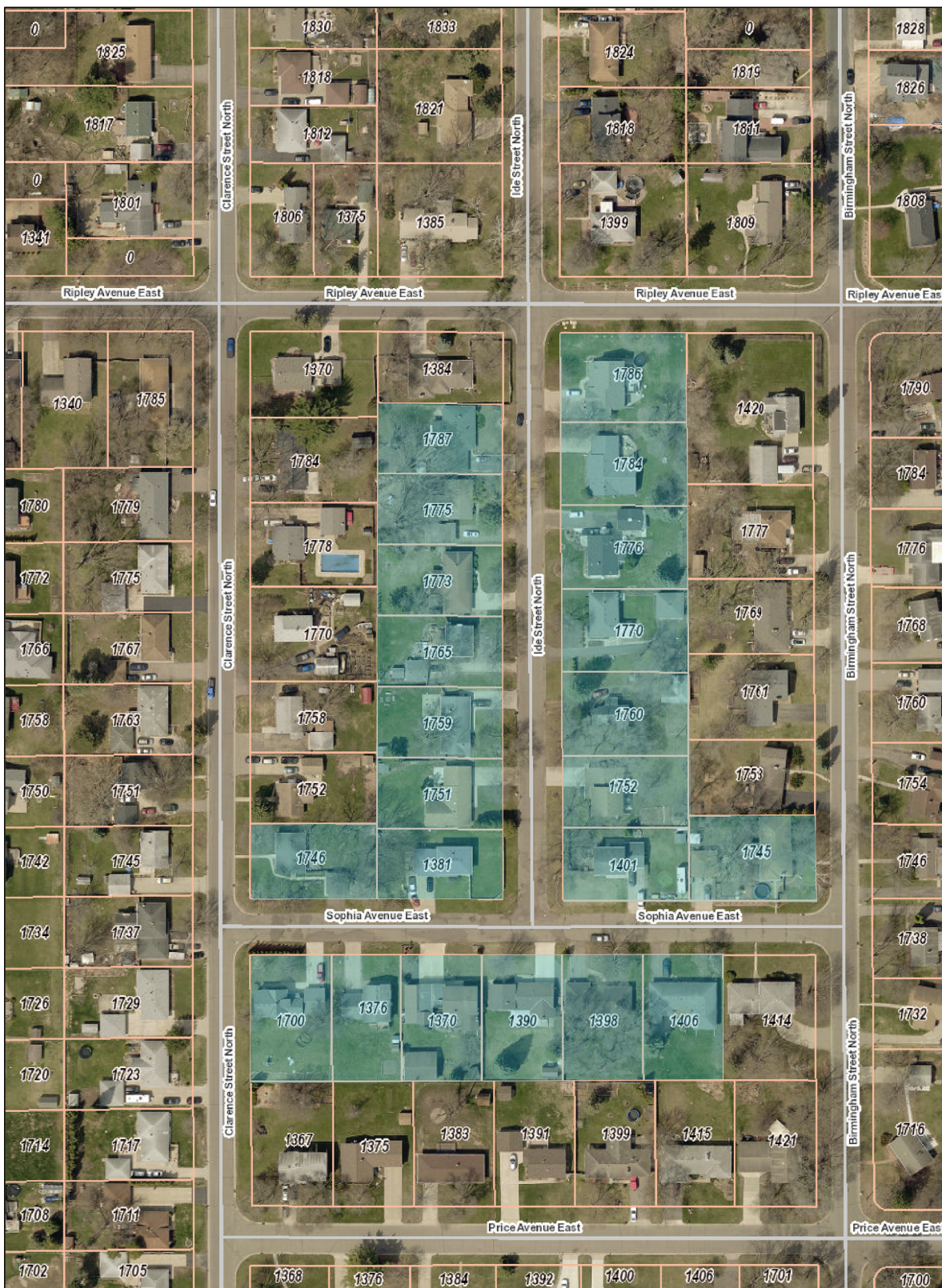
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- = Residential, Single Family, Pavement Rehabilitation Rate = \$3,450/Unit
- = Residential, Single Family, Partial Reconstruct Rate = \$4,950/Unit
- = Residential, Single Family, Full Reconstruction Rate = \$6,600/Unit
- = Commercial, Pavement Rehabilitation Rate = \$69/Front-Foot

Commercial property front footages pulled off on Ramsey County GIS.

Ramsey County
Preliminary - Feasibility Level

Assessment Map - East Shore Drive Area



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- = Residential, Single Family, Pavement Rehabilitation Rate = \$3,450/Unit
- = Residential, Single Family, Partial Reconstruct Rate = \$4,950/Unit
- = Residential, Single Family, Full Reconstruction Rate = \$6,600/Unit
- = Commercial, Pavement Rehabilitation Rate = \$69/Front-Foot

Commercial property front footages pulled off on Ramsey County GIS.

Ramsey County
Preliminary - Feasibility Level

Assessment Map - Cypress-Maplewood Drive Area



12/4/2023, 4:42:44 PM

- = Residential, Single Family, Pavement Rehabilitation Rate = \$3,450/Unit
- = Residential, Duplex, Pavement Rehabilitation Rate = \$1,955/Unit
- = Commercial, Pavement Rehabilitation Rate = \$69/Front-Foot

Commercial property front footages pulled off on Ramsey County GIS.

Ramsey County
Preliminary - Feasibility Level

Assessment Map - Cypress-Maplewood Drive Area



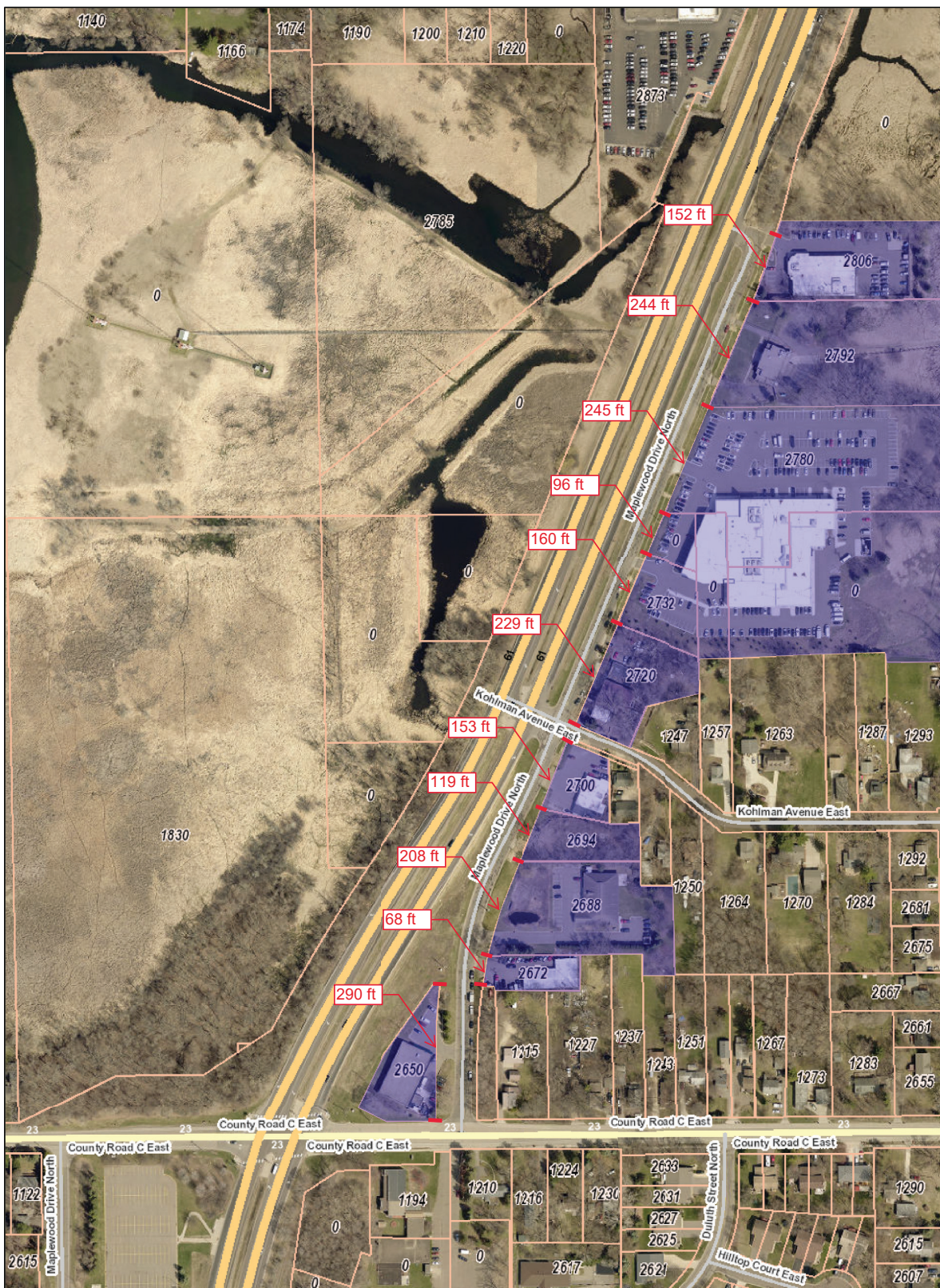
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- = Residential, Single Family, Pavement Rehabilitation Rate = \$3,450/Unit
- = Residential, Duplex, Pavement Rehabilitation Rate = \$1,955/Unit
- = Commercial, Pavement Rehabilitation Rate = \$69/Front-Foot

Commercial property front footages pulled off on Ramsey County GIS.

Ramsey County
Preliminary - Feasibility Level

Assessment Map - Cypress-Maplewood Drive Area



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Commercial property front footages pulled off on Ramsey County GIS.

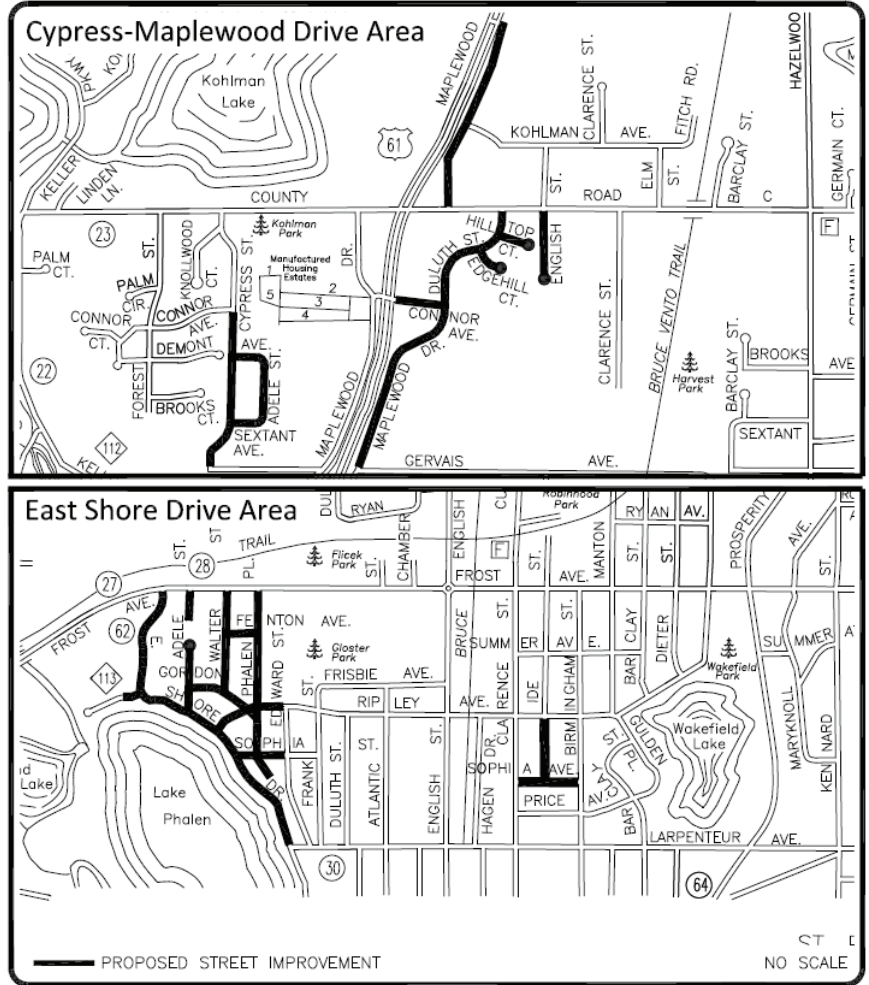
Ramsey County
Preliminary - Feasibility Level



2024 Maplewood Street Improvements

City Project 23-08

- Presented to Maplewood City Council
- January 22, 2024

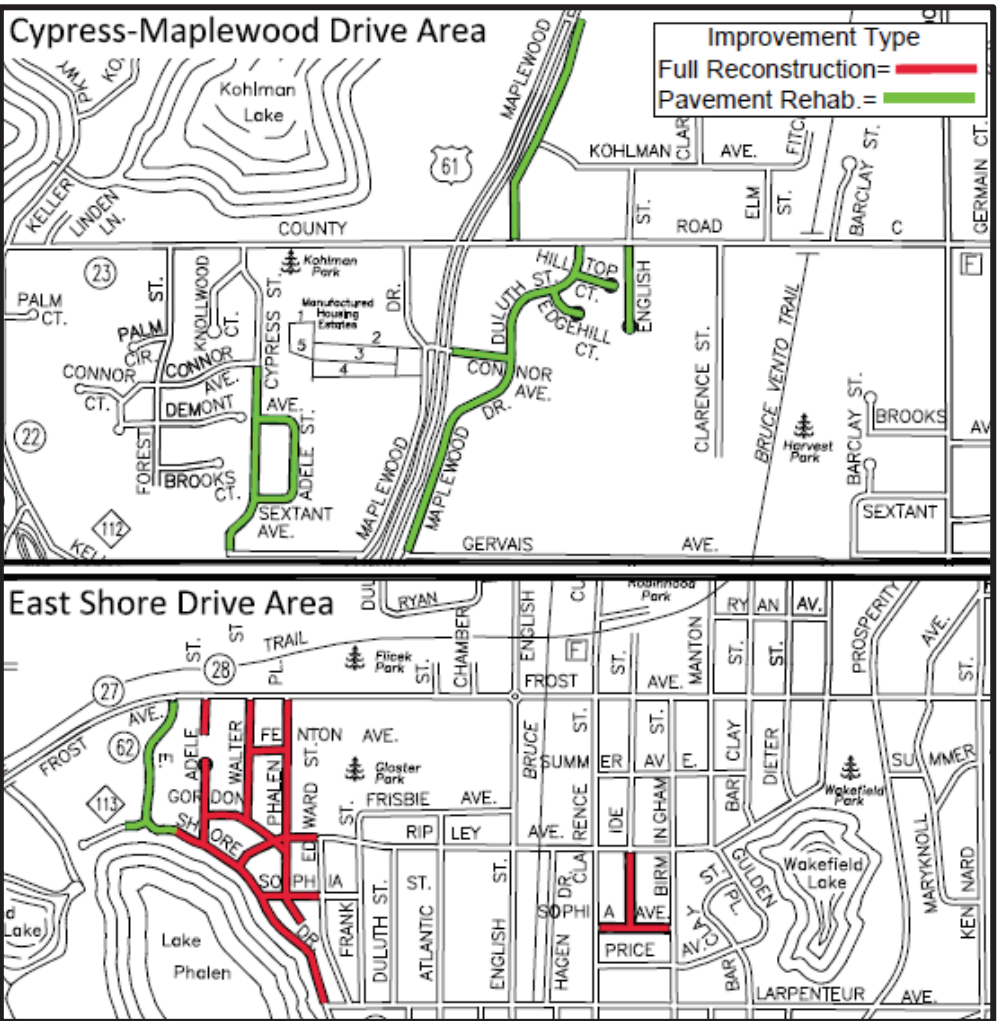


Why These Streets?

- Poor pavement condition
 - *4.30 Miles in Length*
 - *Average PCI Rating – 32/100*
- Pavement has deteriorated to the point where patching and maintenance is no longer cost-effective or possible in some cases.
- Some streets completely lack concrete curb and gutter, while others require spot replacement.
- Maplewood utilities are in need of upgrade on select streets.
- SPRWS has identified 2600-feet of cast iron water main in need of replacement.



East Shore Drive near Sophia Avenue



Project Scope – Pavement Rehabilitation Streets

- Reclamation (essentially roto-tilling) of pavement & aggregate base to create new gravel base.
- Removal of excess reclaim material (gravel) to allow for new pavement section.
- Installation of new asphalt pavement.
- Replace existing structurally damaged concrete curb.
- Repairs as needed to existing storm sewer structures and castings.
- Replacement of outdated sanitary sewer castings.
- Installation of sacrificial anodes on existing water main (reduces corrosion & prolong life).
- Restoration of driveways and boulevards.



Reclamation on Cope Avenue (2022)



Project Scope – Full Reconstruction Streets

- Utilize Maplewood’s Living Streets Policy for design guidance within neighborhood.
- Full removal and replacement of pavement, aggregate base and poor subgrade soils.
- Installation of new asphalt pavement.
- Installation of new concrete curb and gutter.
- Restoration of driveways & boulevards.
- Repairs and expansion of storm sewer system as needed.
- Water quality feature installations.
- Replacement of sanitary sewer castings, Repairs to main and services as needed.
- Replacement of ~2600-feet of cast iron water main on select streets.
- Installation of sacrificial anodes on water main (reduces corrosion & prolongs life).



Water main replacement Cope Avenue (2022)

Resident Communication

Informational Packet – November 2023

- Project Location Map, FAQ Brochure, Assessment Information

Neighborhood Meeting #1 – December 13th & 14th 2023

- Presentation followed by Q & A Session
- Areas of discussion included the project scope, project timeline, cost/funding sources, assessment information, resident communication.

InputID Webtool – December 2023

- Online mapping tool for residents to comment on project
- ‘Social media-like’ in allowing comments, likes, and dislikes

Neighborhood Meeting #2 – February, 2024

- Update from 1st Neighborhood Meeting
- Answer questions leading up to Public Hearing



Project Costs & Funding

Total Estimated Project Cost = \$10,878,200

Project Funding

- G.O. Improvement Bonds - \$4,759,400
- Street Revitalization Fund - \$658,100
- Environmental Utility Fund - \$2,156,000
- Sanitary Sewer Fund - \$430,000
- W.A.C. Fund - \$83,400
- St. Paul Regional Water Services - \$1,086,800
- Ramsey-Washington Metro Watershed District - \$125,000
- Special Benefit Assessments - \$1,579,600

What is a Special Assessment?

- Funding source utilized to finance a portion of public improvements
- Maximum rates are set by the City Council on a yearly basis.
- Independent appraisal firm hired to determine benefit received by properties.
- Per Minnesota State Statute 429 the assessment amount cannot be more than the direct benefit to the property.



Special Assessment

- Assessment Hearing – September 2024
- Prior to the Assessment Hearing
 - Residents will be mailed an official assessment notice
 - Assessment amount
 - Payment options
 - Deferral options
 - Right to object
 - Neighborhood meeting in the summer of 2024 to cover assessments

Tentative Project Schedule

- Council Receives Feasibility Study – January 22nd, 2024
- Neighborhood Meeting #2 – Week of February 5th, 2024
- Public Hearing – February 12th, 2024
 - Residents provide input on proposed improvements
 - Council votes after public hearing
- Award of Contract – April 2024
- Neighborhood Meeting #3 – May 2024
- Construction – June to November 2024
- Assessment Hearing – September 2024



Recommendation

- Approve Resolution Accepting Feasibility Study, Authorize Preparation of Plans & Specifications, and Call for a Public Hearing for 2024 Maplewood Street Improvements, City Project 23-08.