



Public Works, Environment and Transportation Commission Agenda

Tuesday, April 23, 2024

6:30 PM

City Council Chambers

Members of the public who wish speak during public comment or an agenda item during this meeting can do so virtually by registering at www.cityofroseville.com/attendmeeting

(Any times listed are approximate – please note that items may be earlier or later than listed on the agenda)

- 6:30 p.m. **1. Roll Call**
- 6:31 p.m. **2. Swearing in of New Commissioners**
 - a. Swearing in of New Youth Commissioners
- 6:32 p.m. **3. Public Comments**
- 6:34 p.m. **4. Approval of Meeting Minutes**
 - a. Approve March Minutes
- 6:35 p.m. **5. Communication Items**
 - a. Communication Items
- 6:45 p.m. **6. 2024 Eureka Recycling Update**
 - a. 2024 Eureka Recycling Annual Update
- 7:15 p.m. **7. Ramsey County Ditch 4 Construction Soils Study Award**
 - a. Ramsey County Ditch 4 Construction Soils Study Award
- 7:30 p.m. **8. Bike Plan Update**
 - a. Bike Plan Update
- 7:55 p.m. **9. County Road C 4:3 Conversion Project Presentation**
 - a. County Road C Project Update
- 8:20 p.m. **10. Future Agenda Items**
 - a. Future Agenda Items
- 8:30 p.m. **11. Adjourn**

Roseville Public Works, Environment and Transportation Commission Agenda Item

DATE: April 23, 2024

ITEM: 2.a.

ITEM DESCRIPTION: Swearing in of New Youth Commissioners

Background

At their April 8 meeting, the City Council appointed Carsten Bauer and Alexis Jendro to the Public Works, Environment and Transportation Commission as voting Youth Commissioners. We welcome Carsten and Alexi to the commission.

Recommendation

The Commission Chair will swear in Mr. Bauer as a Youth Commission member.

The Commission Chair will swear in Ms. Jendro as a Youth Commission member.

Attachments

None

Roseville Public Works, Environment and Transportation Commission Agenda Item

DATE: April 23, 2024

ITEM: 4.a.

ITEM DESCRIPTION: Approve March Minutes

Background

Attached are the minutes from the March 26, 2024 meeting.

Recommendation

Motion approving the minutes of March 26, 2024, subject to any necessary corrections or revision.

Attachments

1. March Draft Minutes

Roseville Public Works, Environment and Transportation Commission Meeting Minutes

Tuesday, March 26, 2024, at 6:30 p.m.
City Council Chambers, 2660 Civic Center Drive
Roseville, Minnesota 55113

1. Introduction / Roll Call

Chair Ficek called the meeting to order at approximately 6:30 p.m. and at his request, Public Works Director Jesse Freihammer called the roll.

Present: Chair Bryant Ficek; Vice Chair Des Mueller; and Members Jarrod Cicha, Edwin Hodder, Allison Luongo and Sarah Rudolf

Absent: Member Daniel Fergus (Excused)

Staff Present: Public Works Director Jesse Freihammer; and Assistant Public Works Director/City Engineer Jennifer Lowry

2. Public Comments

None.

3. Approval of February 20, 2024 Meeting Minutes

Comments and corrections to draft minutes had been submitted by PWETC commissioners prior to tonight's meeting and those revisions incorporated into the draft presented in meeting materials.

Motion

Member Hodder moved, Member Cicha seconded, approval of the February 20, 2024 meeting minutes as presented.

Ayes: 6

Nays: 0

Motion carried.

4. Election of Officers

Public Works Director Jesse Freihammer explained that each year the Commission is asked to elect a chair, vice-chair and a member to serve on the Ethics Commission.

34 Chair Ficek indicated he would be happy to continue as Chair but someone else
35 could do it as well. He asked if there are any other nominations for chair of the
36 PWETC.

37
38 **Motion**

39 **Member Ficek moved, Member Hodder seconded, election of Ficek for Chair**
40 **of the PWETC.**

41
42 **Ayes: 6**

43 **Nays: 0**

44 **Motion carried.**
45

46 Member Mueller indicated she was not interested in continuing as Vice Chair of
47 the PWETC.

48
49 Chair Ficek asked for nominations for Vice Chair of the PWETC.

50
51 Member Hodder indicated he would be interested in the Vice Chair position.

52
53 **Motion**

54 **Chair Ficek moved, Vice Chair Mueller seconded, election of Hodder for Vice**
55 **Chair of the PWETC.**

56
57 **Ayes: 6**

58 **Nays: 0**

59 **Motion carried.**
60

61 Chair Ficek asked if there were any Commissioners who wanted to volunteer for
62 the Ethics Commission.

63
64 Member Cicha indicated he would be interested as a representative of the Ethics
65 Commission.

66
67 **Motion**

68 **Member Ficek moved, Member Luongo seconded, elect Cicha to serve on the**
69 **Ethics Commission.**

70
71 **Ayes: 6**

72 **Nays: 0**

73 **Motion carried.**
74

75 Chair Ficek asked if there were any Commissioners to volunteer for a one-time
76 Zoom meeting to help update the Commissioner handbook.

77
78 Vice Chair Mueller indicated she would volunteer for this meeting.
79

80 **5. Communication Items**

81 Assistant Public Works Director/City Engineer Jennifer Lowry provided a brief
82 review and update on projects and maintenance activities listed in the staff report
83 dated March 20, 2024.
84

85 Member Hodder commented on the watermain “Lead Free Roseville” program. He
86 noted he filled out the information but it did not seem go through and he had to
87 resubmit so he wanted staff to be aware of that.
88

89 Mr. Freihammer indicated there have been a few issues and the site provider is
90 trying to fix it. He provided additional updates to the Commission.
91

92 Chair Ficek updated the Commission on the Green To Go survey on its website.
93 April 7 is the six Rs of recycling event and on April 27 is the Clean Up and Clothing
94 Recycling.
95

96 **6. Bike Plan Introduction**

97 Assistant Public Works Director/City Engineer Jennifer Lowry explained Roseville
98 was awarded an Active Transportation Planning Assistance grant from MnDOT
99 that Roseville will use to create a bike plan that complements the existing Pathway
100 Master Plan.
101

102 Member Rudolph asked as the bike planning process moves along, if there has been
103 any consideration of a parallel track of communication. Maybe there is an
104 opportunity to include in the engagement how people like to learn about these kinds
105 of things and what that could look like.
106

107 Ms. Lowry explained that a lot of cities are using the active transportation planning
108 grant for an active transportation plan, which typically has education and
109 infrastructure and enforcement elements to it. It is a little different that the City is
110 delivering a bike plan. The application was more tied to the actual planning and
111 identifying of routes and prioritizing them. She did not think that precludes
112 conversations about opportunities and resources for the education. She noted this is
113 definitely something that can be discussed and not sure if it will be something that
114 will be delivered at the end of this, but if there is support for it and the City has the
115 resources, even just time to do it, she would like to look at it some more.
116

117 Member Rudolph indicated in her opinion, bikers do not need to learn about using
118 bike lanes, drivers do.
119

120 Ms. Lowry agreed but unless it is a part of required training, she thought that the
121 people who are disrespectful to bicyclists are the ones who would be coming to any
122 kind of training. She thought it is something useful to talk through with the
123 communication staff, if there is something that can be put in newsletters to reach
124 people passively.
125

Mr. Freihammer explained that, as staff is getting feedback on the bike plan, staff can use the feedback to follow up with people regarding the bike lanes and how the public should interact with them. The City will certainly work with the County as well to get as much promotion as possible. Ultimately, there will be the committee, but the City will also use the Commission as a whole to review the bike plan and the overall goal would be the Commission recommend adoption of a bike plan.

7. Dale Street Update

Public Works Director Jesse Freihammer gave a presentation on the Dale Street Safety Conversion Project.

The Commission asked general questions regarding the crosswalks and lighting.

Member Mueller asked what the impact is to the stormwater system if the road keeps breaking down and disintegrating and keeps getting pushed down into the storm drains.

Mr. Freihammer explained this is a maintenance issue but, generally, the County, when reconstructing roadways, is getting away from bituminous curb. This project is not a reconstruct, it is a resurfacing which is why the County is maintaining it only. Hopefully, the next time the road is resurfaced it will be a reconstruct and that issue will go away.

8. Envision Roseville Update

Public Works Director Jesse Freihammer updated the Commission on the Envision Roseville project.

Chair Ficek indicated he is open to however staff wants to proceed with this topic.

Mr. Freihammer reviewed some of the proposed projects with the Commission.

Member Hodder indicated he was on the advisory group, and he thought it was very comprehensive and he was very impressed with the engagement efforts and the different stakeholders that were brought into the process. He thought the envisioning process was helpful and this was very well done.

Mr. Freihammer continued to update the Commission on the different projects.

Chair Ficek asked what the next steps that come out of this will be and how this will be used in the city, what will the outcome be.

Mr. Freihammer reviewed the steps moving forward with the Commission.

Member Hodder thought the safety issues pointed out were interesting, particularly around Har Mar. He did drill into that a little more and just how the businesses were feeling and other things that caught his attention.

Mr. Freihammer reviewed the higher priority items in the Envision project plan.

Member Rudolph thought this was a good plan and easy to read and imagine what that might be like, but achieving it might be a little trickier.

Chair Ficek asked what staff would like to see from the Commission in regard to this plan.

Mr. Freihammer guessed if the Commission agreed with the general comments or if there is something missing to bring them forward to staff.

9. Future Agenda Items

Discussion ensued regarding PWETC future agenda topics:

- April 23
 - Annual Recycling Report
 - Transit/Micro Transit Update
- May 28
 - MS4 Annual Meeting
- June 25
 - Prep for Joint Council meeting
 - Pavement Management Funding – Asset Management

Chair Ficek thought another topic to review is the speed limits.

Mr. Freihammer indicated he will look through the minutes for the direction the Council gave to staff.

Chair Ficek thought the safety aspect of the City's Police and Fire Departments and hot spots around and how they respond and emergency routes.

Mr. Freihammer indicated staff will talk to the departments to try to figure out a meeting for them to come to discuss that.

10. Adjourn

Motion

Member Mueller moved, Member Rudolph seconded, adjournment of the meeting at approximately 8:07 p.m.

Ayes: 6

Nays: 0

Motion carried.

Roseville Public Works, Environment and Transportation Commission Agenda Item

DATE: April 23, 2024

ITEM: 5.a.

ITEM DESCRIPTION: Communication Items

Background

At each commission meeting, City staff provides updates on City activities and projects ongoing within the city that pertain to public works activities.

Recommendation

Receive report and provide feedback.

Attachments

1. Communications Memo
2. 2024 Roseville Project Map
3. April Development Activity Report



Public Works Department

Memo

To: Public Works Environmental and Transportation Commission Members

From: Jennifer Lowry, City Engineer

Date: April 19, 2024

Re: Communications Items

The following are updates to projects and other activities happening in Roseville since the last commission meeting:

Roseville Public Works project updates:

- McCarrons Retaining Wall Replacement
 - The project was awarded to Veit & Company, Inc., on February 12, 2024.
- County Road B Reconstruction, west of Cleveland Avenue
 - The project was awarded to GMH Asphalt. Once a schedule is received from the contractor, a mailing will be sent to residents and a neighborhood meeting will be scheduled.
- Long Lake Lift Station
 - Construction began March 18 and is anticipated to be complete at the end of May.
- County Road B Reconstruction from Snelling Avenue to Lexington Avenue (Ramsey County)
 - The County has begun construction, and city watermain replacement and Xcel gas replacement work coordinated with the project will begin soon. Residents and businesses impacted by temporary water connections or water shut offs will be contacted.
- 2024 Sewer Lining Project
 - The project was awarded to Hydro-Klean and work will begin once contract documents are completed and the contractor provides a schedule of work.
- 2024 Pathways Project
 - Project is currently in design and includes Lexington Avenue, between County Road B and TH 36, the Wagner Street to Western Avenue cul-de-sac connection, and Tamarack Park pathways shown in Attachment 2. The project will be bid later this year and construction may expand into 2025.
- Hamline Watermain Project
 - Project is currently in design and includes upsizing of the watermain along Hamline Avenue from Josephine Road into Arden Hills. The project will be bid later this year.
- Twin Lakes Trail Phase 2
 - Design is complete and bidding and tree removal later this year for construction next year.

Other agency project updates:

- TH 36 Multimodal Study (MNDOT)
 - Update to be presented to City Council April 22, 2024.
- TH 36 Mill and Overlay from Cleveland to Edgerson Street (MnDOT)
 - Notes below from recent MnDOT presentation:
 - Six full weekend directional closures from I35W to Hwy 61.
 - 10-day ramp closure westbound TH36 to southbound I35W
 - 30-day ramp closure northbound Cleveland to eastbound TH36
- Dale Street 4-3 Conversion from Lovell Avenue into St. Paul (Ramsey County)
 - Plans going to bid soon for construction this year.
- County Road C from Lexington Avenue into Little Canada (Ramsey County)
 - Project team meetings have begun. Public open house anticipated late May.

Council Updates:

- Below is a highlight of items recently presented to and/or acted on by the City Council. More information can be found in the agenda packets and minutes for the referenced Council meetings:

April 8, 2024

- Ordinance Amendment Chapter 801: Private Water Supplies
- Approved Professional Services Agreement for McCarrons Retaining Wall Project
- Appointed two youth commissioners to PWET (Carsten and Alexis)
- Approved Service Agreement for City Facilities Garbage Services
- Awarded Construction Contract for 2024 Sewer Lining Project
- Awarded Construction Contract for County Road B Reconstruction and PMP Project
- Awarded 2024-2026 BMP Maintenance Program Agreement

April 15, 2024

- Recognized Ramsey County Ditch 4 Construction Soils Study Award
- Received Ramsey County Presentation on County Road B 4:3 lane project
- Approved releasing request for quotes for residential recycling carts purchase
- Received Forestry Program and EAB update

April 22, 2024

- Receive presentation from MnDOT regarding the TH 36 Multimodal Transportation Study
- Consider Approval of Community Aspirations and Authorize Next Steps for Receiving Strategic Planning Proposals

Engineering Updates:

- The Assistant City Engineer posting is now closed, and interviews are being set up.
- Five seasonal interns will join us for the summer, beginning in May.

Sustainability Updates:

- Roseville was awarded Bronze designation in the new Charging Smart program (formerly known as EV Smart Communities). This program will be launching nationwide later in 2024, making Roseville one of the first designees in the nation to this program promoting EV-readiness, which is a sister program to SolSmart. Staff attended a celebratory program on Wednesday, April 17, where cities in the first cohort were recognized.

- Roseville recently achieved Steps 4 and 5 in GreenStep Cities after submitting our 2023 report, which is now the third year in a row that the City has maintained the highest level of achievement in the program.
- Staff will attend Roseville's annual Earth Day celebration at the Harriet Alexander Nature Center on Saturday, April 20, with multiple activities for attendees of all ages, and hand out Less Mow May yard signs to residents.
- Nine North plans to produce a video featuring Roseville's sustainability work.
- Green To Go outreach continues to remain on track, with our first upcoming listening session taking place at the Cedarholm Community Center on Monday, May 6 from 9:00am-10:00am.

Maintenance Updates:

- Street and Storm
 - Ongoing Street patching.
 - Cleaned up winter plow equipment, transitioned to summer operations.
 - Ongoing repair and replacement of street signs.
 - Continue compost site turning and maintenance.
 - Continued storm sewer inspections and maintenance.
- Water and Sanitary Sewer
 - Continue to work with owners of private hydrants that need repairs.
 - Continue inspections for water service line inventory.
 - Lead Free Roseville reporting at 52% +
 - Started 2024 sewer television and cleaning.
 - Completed 2024 large valve exercising.
 - Continued underground locates, weekly lift station inspections, collection of water samples, and replacing water meters and MIUs.

2024 All Projects

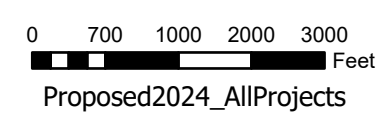


Prepared by: Engineering Department
12/27/2023

- City Roadway Reconstruction
- City Roadway Mill & Overlay
- County Roadway Project
- MnDOT Roadway Project
- Signal Improvement
- New Pathway
- Pathway Maintenance
- Parking Lot
- Retaining Wall
- Watermain Replacement
- Sanitary Sewer Project
- Street Light Project

Data Sources
* Ramsey County GIS (12/05/2023)
* City of Roseville Community Development
* City of Roseville Finance Department

DISCLAIMER:
This map is neither a legally recorded map nor a survey and is not intended to be used as one. This map is a compilation of records, information and data located in various city, county, state and federal offices and other sources regarding the area shown, and is to be used for reference purposes only. The City does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and the City does not represent that the GIS Data can be used for navigational, tracking or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. If errors or discrepancies are found please contact 651-792-7075. The preceding disclaimer is provided pursuant to Minnesota Statutes §466.03, Subd. 21 (2000), and the user of this map acknowledges that the City shall not be liable for any damages, and expressly waives all claims, and agrees to defend, indemnify, and hold harmless the City from any and all claims brought by User, its employees or agents, or third parties which arise out of the user's access or use of data provided.



Proposed2024_AllProjects



Development Projects: April 2024

ROSEVILLE COMMUNITY DEVELOPMENT DEPARTMENT Updated: April 11, 2024					
	Project Name	Address	Project Description	Applicant/Owner Information	Starting
RESIDENTIAL	The Enclave	201-261 McCarrons Pl	20 detached townhomes	Ovation Homes	Summer 2021
	Parallel Apartments	1415 County Road B	89 unit apartment building	Alliance Building Corp	Fall 2023
	Residential New Construction	2239 Cleveland Ave	New single family home	Bald Eagle Builders Inc	Fall 2022
	Residential New Construction	3092-3094 Victoria St	New townhome	Twin Cities Habitat for Humanity	Summer 2023
	Residential New Construction	2444-2454 County Road D	New townhomes	JT MEZZ Construction LLC	Summer 2023
	Residential New Construction	1254 County Road B	New duplex	Restoration Professionals	Summer 2023
	Residential New Construction	2415 Laurie Ct	New single family home	Creative Homes Inc	Summer 2023
	Residential New Construction	251 Capitol View Cir	New single family home	Ovation Homes	Winter 2023
	Residential New Construction	2172 Eustis St	New single family home	Creative Homes Inc	Fall 2023
	Residential New Construction	2179 Eustis St	New single family home	Creative Homes Inc	Fall 2023
	Residential New Construction	841-843 Brenner Ave	New duplex	Lee Homes Inc	Fall 2023
RETAIL	Rosedale Center South Wing	1595 Highway 36	Demo of South Wing Entry	VCC LLC	Fall 2022
	Old Panera Bread	1595 Highway 36 #940	Interior Demo	P.R.M. Contracting	Summer 2023
	Old Granite City	1595 Highway 36	Interior Demo	VCC LLC	Summer 2023
	Rocco	1595 Highway 36	Interior Remodel	P.R.M. Contracting	Summer 2023
	Dicks Sporting Goods	1675 Highway 36	Footing & Foundation	VCC LCC	Summer 2023
	M & M Mortgage	1700 Highway 36 #300	Interior Remodel	Encompass Properties LLC	Fall 2023
	JLL	1595 Highway 36	Exterior Remodel	Cy-Con Inc	Spring 2024
	Garage	1595 Highway 36 #840	Interior Remodel	Elder-Jones Inc	Spring 2024
	Activate Games	1955 County Road B2	Interior Remodel	Arco Murray	Spring 2024
	HomeGoods	2480 Fairview Ave	Interior Remodel	Innovative Construction Solutions	Spring 2024
	Centro	1901 Highway 36	Interior Demo	Lucky Seven LLC	Spring 2024
	DXL Big+Tall	2480 Fairview Ave	Interior Remodel	Chris Schmidt Construction	Spring 2024
	Laurus Athletic Rehab & Performance	2130 County Road C	Interior Remodel	Sever Construction Company	Spring 2024
NON-RETAIL/OFFICE	MnDOT Waters Edge	1500 County Road B2	Mechanical upgrades	Versacon Inc	Fall 2023
	Rosedale Tower	1700 Highway 36	Common Area Remodel	Encompass Properties LLC	Summer 2023
	Everyday Church	2420 Cleveland Ave	Interior Remodel of former LA Fitness	Zeman Construction	Fall 2023
	Roseville Estates	2735-2755 Rice St	Demo old parking structure, add parking and garages	Welsh Construction	Fall 2023
	Eaglecrest Apartments	2945 Lincoln Dr	Remodel	Window World	Summer 2023
	Bimbo Bakery	2745 Long Lake Rd	Interior Remodel	Montgomery Brinkman	Summer 2023
	Rebiotix	2680 Patton Rd	Interior Alteration	McGough Construction Company	Fall 2023
	Kargo Delivers	2500 Cleveland Ave	Interior Remodel	Tile MSP DBA Dandy	Spring 2024
	Horton Incorporated	2565 Walnut St	Interior Remodel	Bauer Design Build	Spring 2024
	Minnesota Construction Law	3030 Centre Pointe Dr #100	Interior Remodel	J.G. Hause Construction Inc	Spring 2024
	Fairfield Inn	3045 Centre Pointe Dr	Interior Remodel	Fairfield Inn	Winter 2023
	Twin Lakes IV	2778 Cleveland Ave	Interior Remodel	The Bainey Group	Winter 2023
	University of Northwestern-St Paul	2993 Snelling Ave	Interior Remodel	PCL Construction Services Inc	Spring 2024
	St.Croix Hospice	1751 County Road B #105	Interior Remodel	St. Paul Construction Company	Spring 2024
	Western & Southern Financial Group	1700 Highway 36 #380	Tenant Remodel	Encompass Properties	Spring 2024
	Ridwa Farah	1700 Highway 36 #340	Tenant Remodel	Encompass Properties	Spring 2024
	AbleNet	2625 Patton Rd	Interior Remodel	Montgomery Brinkman LLC	Spring 2024
	Gustave A Larson	2280 Walnut St	Interior Remodel	Lindee Construction	Spring 2024
	Able Hose & Rubber	2340 County Road C	Interior Remodel/Expansion	Sever Construction	Spring 2024
	Global Health Link	2277 Highway 36	Interior Remodel/Expansion	VY Management LLC	Spring 2024
	Old Dutch	2375 Terminal Rd	Interior Remodel	Langer Construction Company	Spring 2024

Roseville Public Works, Environment and Transportation Commission

Agenda Item

DATE: April 23, 2024

ITEM: 6.a.

ITEM DESCRIPTION: 2024 Eureka Recycling Annual Update

Background

Eureka Recycling has recently produced the annual recycling report. Staff from Eureka will be on hand at the meeting to review the highlights of the report and future recycling efforts.

The Draft 2023 Annual Report is included in the PWETC packet. The recycling contract requires the report to be reviewed by this commission per the following language:

3.4 Annual Performance Review Meeting to Discuss Recommendations for Continuous Improvement

Upon receipt of the Contractor's annual report, the City shall schedule a meeting with the Contractor and the City's Public Works Environment and Transportation Committee.

The objectives of this meeting will include (but will not be limited to):

- Review Contractor's annual report, including trends in recovery rate and participation.
- Review efforts the Contractor has made to expand recyclable markets.
- Review Contractor's performance based on feedback from residents to the Committee members and/or City staff.
- Review Contractor's recommendations for improvement in the City's recycling program, including enhanced public education and other opportunities.
- Review staff and Committee recommendations for improving Contractor's service.
- Discuss other opportunities for improvement with the remaining years under the current Contract.
- Discuss actions Contractor is taking to reduce its carbon footprint.
- Discuss low performing areas and Contractor's outreach efforts.
- Compliance with City's DEI initiatives.

Recommendation

Discuss recycling program with Eureka staff.

Attachments

1. Draft Annual Report



Dedicated to demonstrating that waste is completely preventable, not inevitable.

Proud to be an Equal Opportunity and Affirmative Action Employer

City of Roseville 2023 Year-End Recycling Report

Roseville's recycling program continues to be a leader in the country. Outreach and education elements of the program are an important part to ensuring good participation and helping residents understand the benefits of recycling. Participation continues to be at or among the highest in Ramsey County at 96%. Despite the continued lightening of packaging, the tons of recycling collected in Roseville in 2023 stayed steady with only a small decrease. Roseville residents demonstrate a genuine desire to support the program, understand what can truly be recycled, and recycle as much as possible.

In the current recycling climate, it is even more critical to work to keep Roseville's recycling clean and free of contamination, which is one of the reasons Eureka Recycling decided to launch a recycling app in 2018. By working with a company called ReCollect, we launched a recycling app that Roseville residents can use online at eurekarecycling.org or can download to their mobile device for free by searching for "Eureka Recycling" in their app store. The app allows residents to look up individual items to find out if they are accepted in their recycling program or not, and can also be connected to Ramsey County listings and resources for guidance in handling hard to recycle items like electronics, scrap metal, and appliances. The app also allows residents to see their recycling schedule and sign up for reminders to support their participation in Roseville's recycling program.

In 2023 we saw a continued increase in the number of Roseville residents using the app. Overall, 5,803 unique Roseville addresses have been searched through the app, and over 21,454 materials have been looked up to see if they can be recycled. There are currently 1,346 Roseville residents signed up for recycling day reminders: 60% of those residents are signed up through a mobile app and the rest are signed up for email, text, or phone call reminders. We look forward to working with the City to further promote this new app and expand on this success.

This year-end report contains information on several areas that Eureka Recycling tracks to monitor the success of Roseville's zero waste recycling program over the course of each year. As a non-profit social enterprise, we believe tracking and reporting this data is an essential way to ensure program transparency. It also gives Eureka Recycling and city staff the tools needed to successfully manage the program.

www.eurekarecycling.org

2828 KENNEDY STREET NE | MINNEAPOLIS, MN 55413 | 612-669-2783

Eureka Recycling is an affirmative action, equal opportunity employer. It is our policy to hire without discrimination based on race, creed, religion, sex (including pregnancy, gender identity and sexual orientation), national origin, ancestry, age, disability, genetic information and familial, marital or public assistance status.

ENVIRONMENTAL BENEFITS SUMMARY

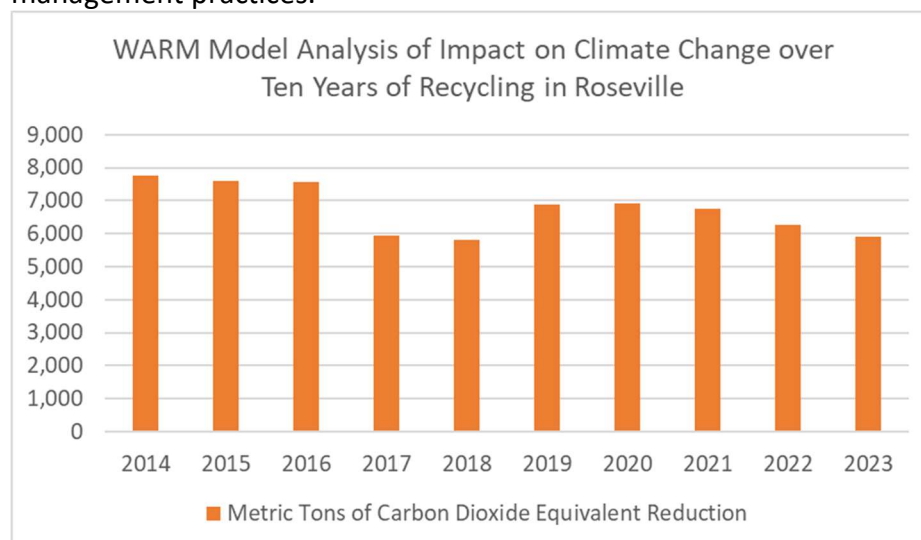
The environmental benefits of Roseville’s zero-waste recycling program are quantified transparently using a widely accepted environmental model. This ensures that all residents have a chance to see how their efforts can be measured and quantified. There are many ways to calculate the benefits of recycling. To better explain these benefits in commonly understood terms government agencies, research scientists, and economists have created several “calculators” to translate the amounts of recycled materials collected and processed into equivalent positive societal and environmental benefits.

Because of the increasing societal focus on both the causes of and the solutions to climate change, it has become imperative to measure waste reduction (and all our activities) in terms of its impact on the environment. This allows us to speak in a common language, understand the impact of our choices, and help us prioritize the personal and policy actions that we take. In addition to climate change mitigation, there are other environmental benefits to recycling, including saving energy, protecting air quality, water quality, natural resources, natural beauty, habitat, and human health.

The Environmental Protection Agency (EPA) WARM Calculator

The equations used in environmental calculations try to consider the “full life cycle” of each material—everything from off-setting the demand for more virgin materials (tree harvesting, mining, etc.) to preventing the pollution that would have occurred if that material were disposed of (burned or buried). Different calculators may include some or all the many factors that contribute to the “full life cycle” so results will vary from calculator to calculator.

While there are many models emerging to calculate greenhouse gas reductions, the most recognized, and standard model is the U.S. Environmental Protection Agency’s Waste Reduction Model (WARM). WARM was designed to help solid waste planners and organizations track and voluntarily report greenhouse gas emissions reductions from several different waste management practices.



MTCO₂E (Metric tons of carbon dioxide emissions) are figures commonly used when discussing greenhouse gas emissions.

According to the WARM model, Roseville's recycling activities in 2023 reduced greenhouse gas emissions by 5,924 MTCO₂E (metric tons of carbon dioxide equivalent).

What do all these numbers mean?

In addition to preventing pollution, an important impact of recycling is that it conserves a huge amount of energy. Making products and packaging from raw materials harvested from nature uses a much larger amount of energy than using recycled materials. Every manufactured item has the energy used to make it "embedded" into it. Recycling takes advantage of that energy, as it is easier and more energy efficient to make a glass bottle from another glass bottle than from raw materials.

The WARM model and other calculators measure the difference between recycling all these tons of materials and using them to make new products versus sending them to an incinerator and making replacement products from raw materials. This difference is expressed as the amount of CO₂ that was not produced because we did not have to make and use all the energy that would have been needed if we used raw materials.

The numbers above help municipalities calculate and track their environmental footprint. For more information about the process of measuring the environmental benefits of waste reduction, visit <https://www.epa.gov/warm>.

These numbers, however, don't have much meaning to the average person. To help recyclers understand the significance of their actions, the EPA has also developed tools to translate these numbers into equivalent examples that people can more easily understand.

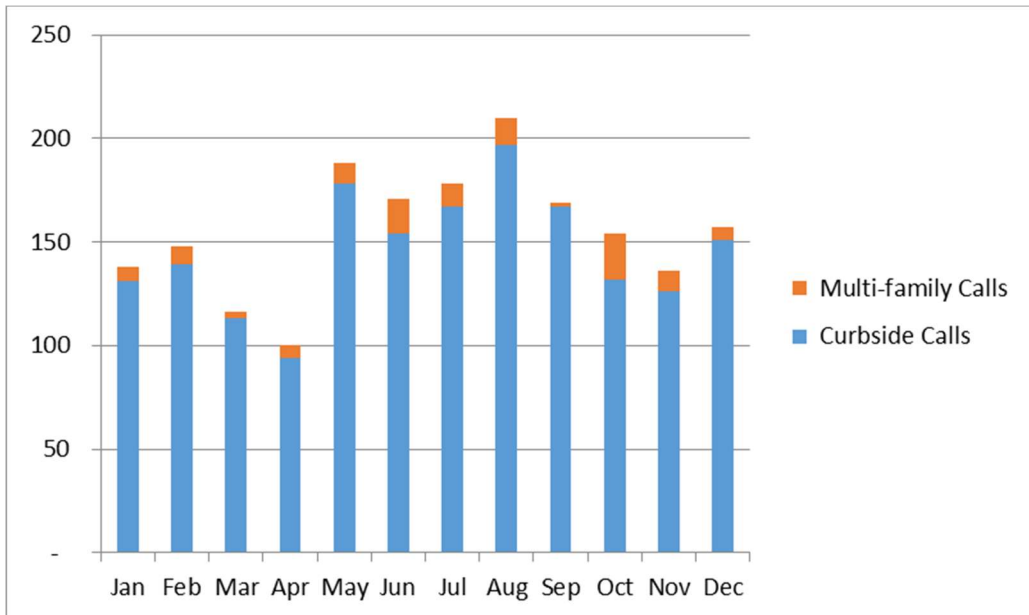
- For example, using the figures above, the EPA estimates that **Roseville would have had to remove 1,258 gasoline-powered cars from the road for one year to have had the same environmental impact in 2023 as they did by recycling.**
- Another way to look at it is that the residents of Roseville saved an amount of energy equivalent to 246,840 propane cylinders for backyard barbeques.

Although WARM is the most widely peer-reviewed and accepted model, it is considered to have several flaws. Many believe the use of this calculator is conservative, and understates the real impact of waste reduction efforts, but it offers a conservative starting place to measure our impacts and work towards our goals. Even with these conservative calculations, the impact of Roseville's recycling program proves to be quite significant.

2023 Roseville Annual Report from Eureka Recycling

Education Summary for Curbside and Multifamily Programs

ROSEVILLE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hotline Calls and Emails													
Curbside Calls	131	139	113	94	178	154	167	197	167	132	126	151	1,749
Multi-family Calls	7	9	3	6	10	17	11	13	2	22	10	6	116
Total Calls	138	148	116	100	188	171	178	210	169	154	136	157	1,865
Requests for Printed Materials	1	-	2	2	1	-	-	-	-	-	-	-	6



Total Number of Stops

Single Family Homes	9,487
Multifamily Buildings	89
Parks	23
Total Number of Stops	9,599

Total Number of Tags Left

Eureka Recycling drivers educate residents at the curb using educational tags for specific problems. In 2023, drivers left approximately 814 educational tags on recyclers' carts.

The most common reason residents received a tag in 2023 were contamination, including plastic bags, bulky plastic items, and other miscellaneous non-recyclable items.

Amount stored, by recyclable material

No recyclables have been stored at our facility longer than needed to generate quantities to ship.

The markets generally used for the sale of recyclables

Eureka Recycling continues to use the same markets for recyclables as were noted in the RFP. Eureka Recycling has always prioritized supporting local markets. In 2023, 69 percent of the material we processed stayed in Minnesota, 95 percent in the Midwest, and 99 percent stayed in the US.

Parks Recycling

We provided service to 27 Roseville Parks in 2023, with many of them being serviced as part of our regular routes collecting from multifamily or single family homes.

We separately track tonnage for the dedicated park routes providing weekly or twice weekly service for 65 carts located in Central Park Lexington and Central Park Victoria West at the pavilions, near the ballfields, and along the pathways, and also the carts at Acorn, Concordia, and Lexington Parks. We collected a total of 17,420 pounds of recycling from these parks throughout the season.

Month	Pounds of Recycling Collected
May	2840
June	3120
July	2940
August	2940
September	2640
October	2940
Total	17420

Participation Trend Study Report

Over the past few years, Eureka Recycling has transitioned away from doing participation studies by hand-counting the number of carts that are out in several 200 household areas throughout each city, and replacing that study with a citywide, digital participation study using data from our digital routing system.

The study spans six weeks. Each time the truck tips a cart, that collection is recorded for that specific address. This data allows us to analyze all collection during a specific study period. The percentage of all addresses in each day's routes that register a tip in a given week is recorded as that week's set out rate, which is then averaged over the course of the study to calculate the city's set out rate.

The reports for each collection day are then sorted by address and duplicates are removed for households that set out more than once during the study period or who have more than one cart. The remaining list of addresses represents all households that participated in recycling at least once during the study, to arrive at the participation rate for the city.

There are some important things to remember when looking at this participation study data:

- For both digital and hand count data, the data is based on a "per building" or "per address" basis. If a cart is out at a duplex or a triplex, we count that address as participating on that day, and if there is not a cart out we count the address as not participating. There is no way for us to know which units are using the cart or carts that are set out. Similarly, for a single family home with two carts, we still count them as one participating address regardless of how many carts are out for collection.
- The "set out rate" is calculated by counting the number of addresses that set out a cart on each collection day, and taking the average of the number of carts set out each day during the six week study period.
- The "Participation Rate" is calculated by counting the percentage of unique addresses that participated in the program at least once during the six week study period.

Participation Trend Study Results for the Past Ten Years

Roseville	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Set Out Rate	76%	78%	77%	76%	75%	85%	77%	79%	77%	83%
Participation Rate	93%	93%	94%	93%	92%	97%	96%	98%	95%	96%

Recycling Market Outlook for 2024

Prices for recycled material reached significant lows during the summer of 2023 but we expect them to level out in 2024. This past year saw reduced demand as companies were bracing for a recession. However, in the fall, as fears of a recession eased and inflation came under control, prices began to rise.

End markets are hopeful that this increase will continue through this year – though typically during the post-holiday winter months pricing holds steady or slumps we did not see this usual trend in January. No one expects pricing to return to the highs we saw during the pandemic, but they are cautiously optimistic that the recession people feared last year has been averted.

Eureka Recycling continues to have good relationships with our end markets and was able to move all our material in 2023 except for pop and beer boxes. We have at least three markets interested in each material except for pop and beer boxes (see more details on this in the paper section) and glass. We regularly get positive comments regarding the quality of the recyclables we sell. Additionally, we continue to focus on local markets when possible – in 2023, 69 percent of the material we processed stayed in Minnesota, 95 percent in the Midwest, and 99 percent stayed in the US. These business practices have been in place for years and reflect our values around the environmental, economic, and human impacts of recycling.

Paper Markets: WestRock closing their cardboard line in the fall of 2022 deeply impacted the Minnesota and Midwest recycled paper markets during the beginning of the year. The closure of WestRock's cardboard line resulted in a lot of extra cardboard in the Midwest which contributed to a decrease in prices for this material. However, by mid-year markets had adjusted and demand has been strong, especially in Wisconsin. Some of the strong demand is due to a decrease in volume as people continue to reduce their paper usage at home and in the office and companies find ways to reduce the amount of cardboard and packaging they use.

With the closing of the WestRock cardboard line we had no place to send pop and beer boxes for many months. We did find one market in the Midwest that turns this material into construction products (so it isn't turned into paper). We are evaluating the impact of this and continue looking for other markets that accept this material. Prior to the closing of the WestRock cardboard line, we sent pop and beer boxes to this line where it could be pulped for longer. Because of the extra plastic lining on pop and beer boxes, when this material stays with the paper it isn't likely to get recycled. When we remove it and ship it separately, some cardboard mills with the right equipment can pulp it separately for longer to separate the fiber from the plastic. We don't generate a lot of this material so we are currently able to move what we have but will continue to monitor this situation throughout the year regarding whether we can continue to accept this material.

Plastics markets also had a volatile year and varied significantly by material type. Demand for PET bottles started weak and built up a bit in spring before falling dramatically in the summer – this summer dip in pricing and demand is consistent and is due to there being more bottles available in the warm summer months (when people drink more bottled beverages). Most markets believe we'll see a similar trend this year with pricing climbing a bit through the cold months but declining when it gets warmer. Eureka continues to engage with several brands directly about how to connect their corporate commitments to using recycled content with the actual supply chain to realize the flow of PET bottles back into PET bottles.

HDPE Color followed a similar trend as PET but the sale of this material is more reliant on the agriculture industry, as much of this material gets made into drainage tile and piping for farms. When there is significant uncertainty (such as due to a pandemic or concerns about ability to trade agricultural products to other countries) farmers tend not to invest in new irrigation infrastructure, which can negatively impact the HDPE Color markets. HDPE Natural is the same type of plastic as HDPE Color, but because it has no coloring added it is a more versatile product and can be turned into any type of product – most of our HDPE Natural is turned back into bottles. Both HDPE Color and Natural took a surprising dip last spring and slowly climbed back up in the fall. Many in the industry believe the reduced pricing was caused by unused petroleum being dumped on the market as many were worried about a recession and didn't want to hold on to inventory that may lose its value. Extended Producer Responsibility in the form of minimum content rules (which would require manufacturers to use a minimum amount of recycled content) would reduce this type of market fluctuation and is one type of EPR for which Eureka advocates.

The third type of plastics we sort, polypropylene (PP, #5) remained flat throughout 2023 and markets expect to hold steady in the upcoming year as well.

Metals markets strengthened slightly at the beginning of 2023 and then fell towards the end of the year. Even with the decrease aluminum has remained the most valuable material in the stream (unlike 2021 when HDPE Natural was worth more for a few months). Experts believe aluminum pricing will remain higher than other materials, although this material is especially sensitive to the impacts of tariffs and trade agreements.

Market Dynamics and Public Policy Initiatives are intertwined because how policy is designed can support or weaken end markets and recycling programs. Eureka Recycling continues to advocate for EPR and policies that strengthen recycling in our communities and minimize the environmental impact of manufacturing. The potential enactment of Extended Producer Responsibility (EPR) legislation in Minnesota holds the power to profoundly reshape the plastics markets, influencing both operational strategies and market dynamics. Under EPR, producers would be accountable for the entire life cycle of their plastic products/packaging, stimulating a fundamental shift in material and design choices. This shift puts pressure on producers to prioritize recyclable and recycled materials in their designs, creating a surge in demand for recycled plastics and a reduction in non-recyclable plastics in the marketplace.

Prioritizing recyclability in product design would present a dual benefit. As producers incorporate recycled materials into their products, the potential for heightened demand in recyclable materials emerges, which could positively influence pricing dynamics. Simultaneously, the legislation aims to mitigate the proliferation of problematic packaging that cannot be sorted at Material Recovery Facilities (MRFs), thereby diminishing residual rates and capturing a more substantial volume of recyclable material. In essence, the prospective implementation of EPR in Minnesota represents a crucial juncture to enhance recycling effectiveness, contribute to a cleaner and healthier environment, and alleviate the recycling burden and confusion experienced by residents and average consumers.



2023 Roseville Tonnage Report

Month	Percent	January	February	March	April	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Tons By Commodity
SUD Route Tons		200.08	151.11	182.35	162.08	175.49	177.30	172.76	183.56	165.71	177.64	175.27	175.93	
MUD Route Tons		41.94	37.46	45.53	38.15	40.96	42.38	35.14	41.65	39.30	37.62	39.05	39.82	479.00
Total Tons		242.02	188.57	227.88	200.23	216.45	219.68	207.90	225.21	205.01	215.26	214.32	215.75	2578.28
Single Stream Composition														
News Mix	29.76%	72.03	56.12	67.82	59.59	64.42	65.38	61.87	67.02	61.01	64.06	63.78	64.21	767.30
Cardboard	15.81%	38.26	29.81	36.03	31.66	34.22	34.73	32.87	35.61	32.41	34.03	33.88	34.11	407.63
Mixed Paper	17.37%	42.04	32.75	39.58	34.78	37.60	38.16	36.11	39.12	35.61	37.39	37.23	37.48	447.85
Aluminum Cans	2.23%	5.40	4.21	5.08	4.47	4.83	4.90	4.64	5.02	4.57	4.80	4.78	4.81	57.50
Steel Cans	1.91%	4.62	3.60	4.35	3.82	4.13	4.20	3.97	4.30	3.92	4.11	4.09	4.12	49.25
HDPE NAT	0.94%	2.27	1.77	2.14	1.88	2.03	2.06	1.95	2.12	1.93	2.02	2.01	2.03	24.24
HDPE Col	0.80%	1.92	1.50	1.81	1.59	1.72	1.75	1.65	1.79	1.63	1.71	1.70	1.72	20.50
PET	4.79%	11.58	9.02	10.91	9.58	10.36	10.51	9.95	10.78	9.81	10.30	10.26	10.33	123.39
Tubs and Lids	0.68%	1.64	1.28	1.54	1.36	1.47	1.49	1.41	1.53	1.39	1.46	1.45	1.46	17.48
Mix Glass	16.91%	40.93	31.89	38.53	33.86	36.60	37.15	35.16	38.08	34.67	36.40	36.24	36.48	435.99
Milk Cartons/Juice Boxes	0.38%	0.91	0.71	0.86	0.75	0.82	0.83	0.78	0.85	0.77	0.81	0.81	0.81	9.71
Residual	8.44%	20.41	15.91	19.22	16.89	18.26	18.53	17.54	19.00	17.29	18.16	18.08	18.20	217.48
Totals	100.00%	242.02	188.57	227.88	200.23	216.45	219.68	207.90	225.21	205.01	215.26	214.32	215.75	2578.30

Potential Revenue Share Value for Roseville, 2023

Single Stream Composition/ Value per ton per month		January	February	March	April	May	June	July	August	September	October	November	December
News Mix	29.76%	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 40.00	\$ 45.00	\$ 50.00	\$ 55.00	\$ 60.00
Cardboard	15.81%	\$ 35.00	\$ 35.00	\$ 35.00	\$ 40.00	\$ 45.00	\$ 55.00	\$ 55.00	\$ 55.00	\$ 60.00	\$ 70.00	\$ 75.00	\$ 80.00
Mixed Paper	17.37%	\$ -	\$ -	\$ 5.00	\$ 10.00	\$ 15.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 30.00	\$ 35.00	\$ 40.00	\$ 45.00
Aluminum Cans	2.23%	\$ 1,460.00	\$ 1,550.00	\$ 1,510.00	\$ 1,450.00	\$ 1,450.00	\$ 1,410.00	\$ 1,391.67	\$ 1,350.00	\$ 1,314.00	\$ 1,260.00	\$ 1,240.00	\$ 1,247.00
Steel Cans	1.91%	\$ 178.75	\$ 210.00	\$ 237.00	\$ 280.00	\$ 271.67	\$ 243.00	\$ 226.67	\$ 205.71	\$ 200.00	\$ 200.00	\$ 200.00	\$ 205.00
HDPE NAT	0.94%	\$ 1,315.00	\$ 1,328.00	\$ 1,455.00	\$ 1,533.00	\$ 1,585.00	\$ 1,229.00	\$ 673.33	\$ 450.00	\$ 482.00	\$ 521.43	\$ 600.00	\$ 640.00
HDPE Col	0.80%	\$ 205.00	\$ 252.00	\$ 304.00	\$ 338.00	\$ 383.00	\$ 286.00	\$ 176.67	\$ 138.57	\$ 220.00	\$ 315.71	\$ 420.00	\$ 460.00
PET	4.79%	\$ 255.03	\$ 280.00	\$ 298.04	\$ 305.00	\$ 302.93	\$ 249.00	\$ 150.00	\$ 139.31	\$ 167.00	\$ 202.14	\$ 229.00	\$ 252.00
Tubs and Lids	0.68%	\$ 10.00	\$ 10.00	\$ 10.00	\$ 14.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00
Mix Glass	16.91%	\$ (33.89)	\$ (27.13)	\$ (26.89)	\$ (24.54)	\$ (32.80)	\$ (33.35)	\$ (33.68)	\$ (33.00)	\$ (31.59)	\$ (34.20)	\$ (33.25)	\$ (33.02)
Milk Cartons/Juice Boxes	0.38%	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50	\$ 2.50
Residual	8.44%	\$ (99.35)	\$ (99.48)	\$ (102.96)	\$ (99.30)	\$ (99.49)	\$ (99.87)	\$ (97.93)	\$ (103.32)	\$ (106.18)	\$ (105.00)	\$ (103.93)	\$ (103.57)
SubTotals	100.00%	\$ 65.57	\$ 71.00	\$ 73.71	\$ 76.92	\$ 77.86	\$ 72.05	\$ 60.61	\$ 56.02	\$ 61.40	\$ 66.60	\$ 72.41	\$ 77.67
Rev Share	80%	\$ 52.46	\$ 56.80	\$ 58.97	\$ 61.54	\$ 62.29	\$ 57.64	\$ 48.49	\$ 44.82	\$ 49.12	\$ 53.28	\$ 57.93	\$ 62.14
Processing fee	\$75												
Net value per ton		\$ (22.54)	\$ (18.20)	\$ (16.03)	\$ (13.46)	\$ (12.71)	\$ (17.36)	\$ (26.51)	\$ (30.18)	\$ (25.88)	\$ (21.72)	\$ (17.07)	\$ (12.86)

Roseville Recycling Tonnage	242.02	188.57	227.88	200.23	216.45	219.68	207.90	225.21	205.01	215.26	214.32	215.75	2,578.28
Total Potential Revenue Share	\$ (5,455.71)	\$ (3,432.13)	\$ (3,653.58)	\$ (2,695.73)	\$ (2,750.79)	\$ (3,813.58)	\$ (5,512.35)	\$ (6,797.05)	\$ (5,305.96)	\$ (4,674.92)	\$ (3,659.17)	\$ (2,775.25)	\$ (50,526.21)

2023 Estimated Tonnage by Multifamily Building

Multifamily building tonnage is estimated based on each building's service level, the volume of recycling collected at each building on a weekly basis, and the total tonnage collected from Multifamily buildings in the City of Roseville.

customer code	Business Name	civic	street	Total pounds of recycling	Units	Pounds Per Unit
MULTRSV1897	1144 Dionne Street	1144	Dionne St	3,315	23	144.13
MULTRSV1892	1363 County Road B	1363	County Rd B	1,823	11	165.75
MULTRSV1909	161 McCarrons Street	161	McCarrons St	1,326	11	120.55
MULTRSV1919	161 Minnesota Avenue	161	Minnesota Ave	3,191	6	531.79
MULTRSV1883	1614 Eldridge Apts	1614	Eldridge Ave	1,326	11	120.55
MULTRSV1886	1615 Eldridge Apts	1615	Eldridge Ave	891	11	80.99
MULTRSV1882	1624 Eldridge Apts	1624	Eldridge Ave	1,512	11	137.50
MULTRSV1885	1625 Eldridge Apts	1625	Eldridge Ave	725	11	65.92
MULTRSV1880	1634 Edlridge Apts	1634	Eldridge Ave	912	11	82.88
MULTRSV1884	1635 Eldridge Apts	1635	Eldridge Ave	684	11	62.16
MULTRSV1890	2125-2133 Pascal Street	2125	Pascal St	1,367	22	62.16
MULTRSV1876	2180 Haddington Road	2180	Haddington Rd	344	4	86.09
MULTRSV1872	2447 County Road B	2447	County Rd B	1,885	17	110.91
MULTRSV1941	2610 Snelling Curve	2610	Snelling Curve	2,279	17	134.07
MULTRSV1947	2900 Highcrest Road	2900	Highcrest Rd	3,232	11	293.84
MULTRSV1946	2950 Highcrest Road	2950	Highcrest Rd	2,022	11	183.84
MULTRSV1937	Applewood Pointe	1480	Applewood Court	56,356	94	599.53
MULTRSV2688	Applewood Pointe at Central Park	2665	Victoria St N	31,029	106	292.73
MULTRSV2191	Applewood Pointe at Langton Lake	1996	Langton Lake Dr	12,991	89	145.97
MULTRSV1978	Aquarius Apartments	2425	County Rd C2	12,183	99	123.06
MULTRSV1925	Bonaventure	3090	Lexington Ave N	4,745	30	158.16
CDLRV1912	Cedarholm Golf Course	2323	Hamline Ave N	3,149	NA	NA
MULTRSV1936	Centennial Gardens East & West	1420	Centennial Dr	10,567	190	55.61
MULTRSV2413	Cherrywood Pointe at Cleveland	2996	Cleveland Ave N	7,065	50	141.30
MULTRSV2684	Cherrywood Pointe at Lexington	2680	Lexington Ave N	7,210	115	62.70
CDLRV1930	City Hall (Roseville)	2660	Civic Center Dr	8,640	NA	NA
MULTRSV1940	Coventry Seniors Apartments	2820	Snelling Ave	10,132	196	51.69
MULTRSV1901	Dale Terrace Apartments	720	County Rd B	6,423	42	152.93
MULTRSV1893	Dellwood Condominiums	1725	Dellwood St	3,543	12	295.25
MULTRSV1981	Eagle Crest (RSV)	2925	Lincoln Dr	43,386	218	199.02
MULTRSV1948	Executive Manor Condos	3153	Old Highway 8	15,498	72	215.25
CDLRV1933	Fire Station 1 (Roseville)	2701	Lexington Ave	1,948	NA	NA
MULTRSV1877	Garley Apartments	1634	County Rd B	725	11	65.92
MULTRSV2023	Greenhouse Village	1021	Larpenteur Ave	21,797	102	213.69
MULTRSV1950	Hamline House Condos	2800	Hamline Ave	18,875	150	125.83
MULTRSV1934	Hamline Terrace	1360	Terrace Dr	17,093	102	167.58
MULTRSV1905	Heritage Place	563	County Rd B W	11,706	51	229.54
MULTRSV1918	Hillsborough Manor	2335	Woodbridge St	34,228	206	166.16
MULTRSV1914	Karie Dale Apartments	2355	Dale St N	7,728	44	175.64
MULTRSV1963	Keystone Communities (Roseville)	2750	Victoria St	11,561	106	109.07
MULTRSV1926	Lake Josephine Condominiums	3076	Lexington Ave N	4,351	23	189.18
MULTRSV1910	Lar Dale Apartments	655	Larpenteur Ave W	1,575	17	92.63
MULTRSV1900	Lexington Court	2192	Lexington Ave	5,864	52	112.76

MULTRSV1898	Lexington Twin Apartments	1890	Lexington Ave	4,185	22	190.24
MULTRSV1899	Lexlawn/Roselawn Apartments	1943	Lexington Ave	2,818	34	82.88
MULTRSV2487	McCarrons Lake Condos	185	McCarrons Blvd N	8,868	42	211.14
MULTRSV1873	Midland Grove Condos	2200	Midland Grove Rd	40,154	174	230.77
MULTRSV1939	Northwestern College Apartments	1610	Lydia Ave	3,004	40	75.11
MULTRSV1938	Northwestern College/Snelling Terrace	2906	Snelling Dr E	9,075	48	189.06
MULTRSV1954	Palisades	560	Sandhurst Dr W	40,195	330	121.80
MULTRSV1932	Parkview Estate Condominiums	2670	Oxford St	16,161	204	79.22
MULTRSV1904	Parkview Manor	2202	Dale St N	3,046	34	89.58
MULTRSV1983	Parkview Terrace Condos	2690	Oxford St	14,400	105	137.14
CDLRV1931	Public Works Garage (Roseville)	1140	Woodhill Dr	11,914	NA	NA
MULTRSV1921	Ramsey Square Condos	2710	Dale St N	32,653	192	170.07
MULTRSV1913	Riviera Apartments	925	Highway 36 W	12,452	64	194.57
MULTRSV1944	Rose 8 Apartments	3050	Old Highway 8	7,770	85	91.41
MULTRSV1903	Rose Hill Estates	591	County Rd B	5,615	51	110.10
MULTRSV1891	Rose Mall Apartments	2201	Albert St	22,128	54	409.78
MULTRSV1878	Rose Park Commons	1610	County Rd B	870	11	79.11
MULTRSV1887	Rose Park Estates	2136	Fry St	1,844	22	83.82
MULTRSV1894	Rose Vista Apartments	1222	Rose Vista Ct	9,116	175	52.09
MULTRSV1985	Rosedale Estates North	2835	Rice St	16,803	180	93.35
MULTRSV1956	Rosedale Estates South	2735	Rice St	15,332	180	85.18
MULTRSV1953	Roselawn Village	1074	Roselawn Ave	3,232	32	101.01
MULTRSV1942	Rosepointe	2545	Hamline Ave N	83,187	190	437.83
MULTRSV1879	Roseridge Estates	2086	Samuel St	3,108	18	172.66
MULTRSV1955	Rosetree Apartments	655	Highway 36	9,054	48	188.63
MULTRSV1907	Roseville Arms Condos	160	Elmer St	3,626	34	106.64
MULTRSV1958	Roseville Commons	2496	County Rd C2 W	5,097	30	169.90
MULTRSV1979	Roseville Estates	2599	Lexington Ave	11,831	113	104.70
MULTRSV1911	Roseville Seniors	1045	Larpenteur Ave W	21,502	127	169.30
MULTRSV1896	Roseville Terrace	1759	Dunlap St	2,652	36	73.67
MULTRSV2162	Roseville Townhomes	3085	Old Highway 8	10,928	41	266.54
MULTRSV1888	Rosewood Village	1630	Highway 36 W	22,853	219	104.35
MULTRSV1889	Sienna Green Apartments	2275	Snelling Ave	5,176	170	30.44
CDLRV1929	Skating Center	2661	Civic Center Dr	11,706	NA	NA
MULTRSV1881	Skillman Villas	1629	Skillman Ave	1,388	14	99.16
MULTRSV1924	South Oaks Apartments	1080	County Rd D W	2,818	25	112.71
MULTRSV2597	Suite Living	197	County Rd B2 W	4,344	25	173.78
MULTRSV1951	Sun Place Apartments	1721	Marion St	2,923	30	97.45
MULTRSV1957	Sunrise Assisted Living	2555	Snelling Ave N	16,886	77	219.30
MULTRSV1945	Talia Place	3020	Old Highway 8	3,766	11	342.39
MULTRSV1935	Terrace Park Apts	1420	Terrace Dr	5,180	36	143.88
MULTRSV1964	The Lexington (Roseville)	2775	Lexington Ave N	24,677	150	164.51
MULTRSV1984	The Riviera 2	885	Highway 36 W	4,910	32	153.45
MULTRSV1960	Victoria Place	2250	Victoria St N	10,360	58	178.61
MULTRSV1906	Villa Park Community Condominiums	500	County Rd B	8,308	100	83.08
MULTRSV2044	Villas at Midland Hills	1940	Fulham St	8,992	32	281.00

Eureka Recycling Composition Analysis Methodology

Eureka Recycling collects materials in a single sort collection system with all paper, cardboard, metal and plastic, steel, aluminum and glass containers combined by residents into one cart. Each year we conduct an annual composition study of the single sort material to determine the percentage each material represents in the overall composition.

(651) 222-SORT (7678)
www.eurekarecycling.org

Our mission is to reduce waste today through innovative resource management and to reach a waste-free tomorrow by demonstrating that waste is preventable, not inevitable.



Composition by Commodity of Each Recycling Stream

During the composition study we weigh each truck before and after to determine the weight of the material. Each truck has a stored weight that is updated regularly for accuracy. This process allows us to determine the initial weight of the material set out by residents during the period being analyzed.

The composition study starts with Eureka Recycling storing all of the materials collected in the city during a one-week period. These materials are stored in a separate bunker from all other materials at the facility. We sort the material separately from all other recycling at the facility.



The sorted materials are then baled or put into a hopper and transported with a forklift to the truck scale to be weighed. Finally, we weigh the total amount of each sorted material grade including the non-recyclable material (residual) to establish the percentage of the total tonnage that each material type represents in the overall composition.

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Participation Trend Analysis Methodology

Eureka Recycling conducts an annual participation study in which both set-out and participation rates are analyzed and documented.

(651) 222-SORT (7678)
www.eurekarecycling.org

The **set-out rate** is the average number of households that set materials out for recycling collection on a given day. Not every household sets out their recycling each week. If they are out of town, forget, or simply don't have very much in their cart they may not have a cart out for collection on their day. The set-out rate is the average percentage of households that set out material on a weekly basis during the study period.

Our mission is to reduce waste today through innovative resource management and to reach a waste-free tomorrow by demonstrating that waste is preventable, not inevitable.



The **participation rate** is the number of households who set materials out for recycling collection at least once over the period of the study.

The participation rate is a better indication of overall recycling participation because it includes households that recycle at least once over the course of six weeks, recognizing that some households may not set out recycling every week. It more accurately indicates how many households are participating in the

recycling program overall, as opposed to the number of participants on a specific day.

Summary of Process

The study spans six collection weeks. Each time the truck tips a cart, that collection is recorded for that specific address. This data allows us to analyze all collection during a specific study period. The percentage of all addresses in each day's routes that register a tip in a given week is recorded as that week's set out rate, which is then averaged over the course of the study.

The reports are then sorted by address and duplicates are removed for households that set out more than once during the study period. The remaining list of addresses represents all households that participated in recycling at least once during the study, to arrive at the participation rate for the city.

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Roseville Public Works, Environment and Transportation Commission

Agenda Item

DATE: April 23, 2024

ITEM: 7.a.

ITEM DESCRIPTION: Ramsey County Ditch 4 Construction Soils Study Award

Background

In 2021, Roseville converted an open ditch into a buried pipe that carried water north towards Oasis Pond. The project helped the City improve the area for development, created a pathway connection between County Road C and Terrace Drive (and future connection to Oasis Park), improved water quality by reducing erosion, and also helped lower high water levels of upstream ponds. The area adjacent to the pathway was seeded with a native shortgrass prairie seed mix that will help improve habitat for pollinators, reduce soil erosion, and will require less inputs than turf grass.

During the project, staff met with Alliant Engineering to discuss the possibility of doing a study to look at the soil after a construction project has been completed. The goal of the study was to see if soil health could be improved by topdressing compost over the site. Compost has the ability to retain moisture, be a slow-release fertilizer, improve soil structure and improve drainage, allow plants to root deeper and help reduce erosion potential, and also sequester atmospheric carbon. By topdressing in the fall, the freeze/thaw cycle would slowly incorporate the compost into the sandy construction soils, and improve the overall health of the soils.

The study started in 2022 in partnership with Alliant Engineering, Ramsey County Environmental Health, Ramsey/Washington Recycling & Energy and the City of Roseville. Alliant created a plan and schedule that included soil borings and infiltration tests over a control area and several blocks of area adjacent to the pathway. Alliant also scheduled volunteers to spread the compost and had invited young professionals to attend the event as a way to have some hands-on experience and talk to local scientists and engineers in their field of interest. Ramsey County's partnership included the delivery of 10 cubic yards of compost (from their food scraps collection program) at no cost and also provided \$4,000 towards the cost of the study. The City of Roseville helped by providing the site, coordinating volunteers, providing tools and equipment, as needed, throughout the process.

This study was presented at numerous conferences, and we received an Honor Award from the American Council of Engineering Companies, Minnesota Chapter, on February 23, 2024.

Recommendation

Receive informational presentation from staff.

Attachments

1. Year 1 Study Report
2. Presentation


ALLIANT

Memorandum

TO: Ryan Johnson, City of Roseville

FROM: David Bauer, PSS

DATE: December 29, 2022

SUBJECT: Roseville Compost Top-dressing and Soil Testing Annual Report: Year 1

Project Summary

Newly created soils in 2021 along a new segment of the Twin Lakes trail will receive annual 1/2 top-dressed compost soil amendments for three years. Soils will be tested annually to assess soil health benefits of the compost amendments. The following areas were selected for testing:

- Swale Native Vegetation
- Swale Edge Turf
- Top of Berm Native Vegetation
- Top of Berm Native Vegetation Control
- Toe of Berm Turf
- Toe of Berm Turf Control

Results and Trends

One year has gone by and the trends indicate that compost topdressing is improving soil health and helping plants grow. Plants in compost areas seemed taller and healthier than in areas that did not receive a compost treatment. All areas have experienced positive change, but the compost top-dressing area's changes are more pronounced. In coming years, we hope to estimate how many years the plant establishment was accelerated due to compost topdressing.

Topography also seems to be more of a factor than expected. The flat areas near the path have shown increased soil health, taking advantage of captured nutrients and water. The heart of the swale behaves more like a control area, despite receiving compost. The swale is compacted, so the combination of flowing stormwater and reduced soil pores might be reducing the compost's benefits in the first year.

2022 Tasks

- June 13, 2022: Soil Testing
- October 10, 2022: Soil Testing
- October 15, 2022: Compost Top-dressing*
- October 18, 2022: Presented Project at Minnesota Water Resources Conference*
- December 2, 2022: Presented Project at Minnesota Association of Professional Soil Scientist Winter Meeting*
- December 8, 2022: Presented Project at Minnesota Seeing Contractors Association Annual Meeting*
- December 2022: Data Analysis and Annual Report

*Volunteer tasks

Soil Testing Results

Soil testing occurred after one spring thaw (June) and after one year (October). Fertility and health tests were sent to two different labs: The University of Minnesota and Ward Labs (Nebraska). Soil structure, color, and plant growth were observed in the field. Infiltration testing was also completed in the field.

Soil Organic Matter:

Site	Site Description	vegetation management	Minnesota Lab - Loss on Ignition (%)		
			10/15/2021	6/13/2022	10/10/2022
1	swale	native	2.7	2.5	2.6
2	swale edge	turf	2.0	3.7	3.1
3	top of berm - compost	native	2.8	2.9	3.1
4	top of berm - CONTROL	native	2.2	2.4	2.2
5	toe of slope - compost	turf	3.8	4.2	5.8
6	toe of slope - CONTROL	turf	3.0	3.2	3.2

Percent organic matter is considered good for plant establishment at 3%.

Compost's presence tends to be fleeting and we did not expect to measure a change in organic matter until after three years. That said, the trends seem to indicate a greater increase in organic matter in areas with compost top-dressing.

Soil Structure & Color:

Topsoil is variable here, depending on the composition and mixing with the fill materials. Sandy Loam topsoil had loose single grained structure and loam topsoil had strong blocky structure. A drought in the last half of summer dried the soils a lot, baking the loams into strong blocky bricks and causing the sandy soils to collapse around the holes. It is hoped that continued composting efforts will lead to moderate granular structure in any soil texture.

Change in soil color was not observed after one year. Topsoils remained at 10YR 3/2 or 10YR 2/2 in the Munsell Soil Color Book (very dark grayish brown or very dark brown). Soil color change might not be detectable in the three year study time-frame.

Fertility:

	Phosphorus		Minnesota Lab Olsen Test (ppm)		
Site	Site Description	vegetation management	10/15/2021	6/13/2022	10/10/2022
1	swale	native	23	24	32
2	swale edge	turf	22	29	48
3	top of berm - compost	native	14	20	28
4	top of berm - CONTROL	native	13	11	15
5	toe of slope - compost	turf	34	35	50+
6	toe of slope - CONTROL	turf	31	35	42

Phosphorus values are considered low at 5 ppm and high at 20 ppm.

	Potassium		Minnesota Lab Ammonium Acetate Extraction (ppm)		
Site	Site Description	vegetation management	10/15/2021	6/13/2022	10/10/2022
1	swale	native	163	180	77
2	swale edge	turf	245	58	63
3	top of berm - compost	native	128	145	182
4	top of berm - CONTROL	native	127	112	91
5	toe of slope - compost	turf	288	267	294
6	toe of slope - CONTROL	turf	300+	200	191

Potassium values are considered low at 25 ppm and high at 175 ppm.

	C:N Ratio		Nebraska Lab		
Site	Site Description	vegetation management	10/15/2021	6/13/2022	10/10/2022
1	swale	native			
2	swale edge	turf			
3	top of berm - compost	native		16.0	15.2
4	top of berm - CONTROL	native		15.6	16.1
5	toe of slope - compost	turf	7.7		18.6
6	toe of slope - CONTROL	turf	6.3		17.3

C:N Ratio is considered good if it is between 8 and 15.

	Soil pH		Minnesota Lab		
Site	Site Description	vegetation management	10/15/2021	6/13/2022	10/10/2022
1	swale	native	8.0	8.0	8.0
2	swale edge	turf	8.5	8.0	7.9
3	top of berm - compost	native	8.0	8.0	7.9
4	top of berm - CONTROL	native	8.0	8.0	8.0
5	toe of slope - compost	turf	7.9	8.0	7.8
6	toe of slope - CONTROL	turf	7.9	7.9	7.9

Soil pH is considered optimal for most plants at 6.0-6.5

Overall, fertility seems higher in composted areas. It also seems higher in at the toe of the slope compared to the summit. Natural fertility in these fill soils seemed high to begin with as well. However, C:N ratio is not optimal in both composted and control areas, suggesting that compost and erosion control blanket were too much feed stock for the microbes. Too much feed stock creates a situation where microbes consume nitrogen, leaving less for plants. Soil pH is also a bit high across all study areas.

Salts:

	Salt		Nebraska Lab (mmho/cm)		
Site	Site Description	vegetation management	10/15/2021	6/13/2022	10/10/2022
1	swale	native			
2	swale edge	turf			
3	top of berm - compost	native		0.44	0.09
4	top of berm - CONTROL	native		0.17	0.09
5	toe of slope - compost	turf	0.61		0.14
6	toe of slope - CONTROL	turf	0.55		0.19

Salt can hinder plant growth at levels greater than 3.0 mmho/cm.

A look at salts was added this year because food waste compost can sometimes include higher salt content. Fortunately, Ward Labs has been providing that test in the past. Salts do not seem to be present in high enough concentrations to affect soil and plant health.

Soil Respiration:

Soil Respiration			Nebraska Lab CO ₂ -C, ppm C		
Site	Site Description	vegetation management	10/15/2021	6/13/2022	10/10/2022
1	swale	native			
2	swale edge	turf			
3	top of berm - compost	native		24.4	25.3
4	top of berm - CONTROL	native		17.0	19.4
5	toe of slope - compost	turf	30.2		46.8
6	toe of slope - CONTROL	turf	18.5		38.8

Soil respiration of 31-70 is about average

Soil respiration is a measure of microbial activity. Initial data suggests more microbial activity in composted areas and at the toe of slopes.

Saturated Hydraulic Conductivity:

Saturated Hydraulic Conductivity			Glover Solution, Amozemeter, (in/hr)		Darcy's Law, Amozemeter to MPD, (in/hr)
Site	Site Description	vegetation management	10/15/2021	6/13/2022	10/10/2022
1	swale	native			
2	swale edge	turf			
3	top of berm - compost	native	0.30-0.67	1.14-2.10	3.1-9.6
4	top of berm - CONTROL	native	0.83-0.98	1.69-2.63	2.0-5.4
5	toe of slope - compost	turf			
6	toe of slope - CONTROL	turf			

Saturated hydraulic conductivity in native Roseville soils range from 2 to 40 in/hr, according to the Web Soil Survey, though most are in a 4 to 13 in/hr range.

Saturated hydraulic conductivity, used to infer infiltration of stormwater, increased in both the composted and non-composted area. The freeze-thaw cycle likely has more influence on infiltration than compost in the first year after construction. Testing methods changed in October, moving from a subsurface test to a surface test. This changed the equation used to calculate saturated hydraulic conductivity and will also make future measurements easier and more accurate.

Compost Soil Amendment

Twelve volunteers spread compost in a thin layer over much of the project site on October 15, 2022. All the top-dressing test areas received about half-inch of compost, but the control areas were left free of the amendment. Application was easier in areas that had been recently mowed.

Compost was not spread directly in the swale within fifty feet of the stormwater inlet to prevent negative impacts to stormwater quality. The compost was provided by Ramsey / Washington Recycling & Energy and came from the SMSC Organic Recycling Facility near Shakopee. It is mostly food waste compost that was highly screened.

Next steps

Soil testing for basic fertility and infiltration will take place in October 2023. Compost will be added by topdressing volunteers in October of 2023. Final soil health testing will take place in October of 2024. Annual reports will be submitted to the city of Roseville in December of 2023 and 2024.

Photos

Swale lacks growth, 06-13-2022, site 1



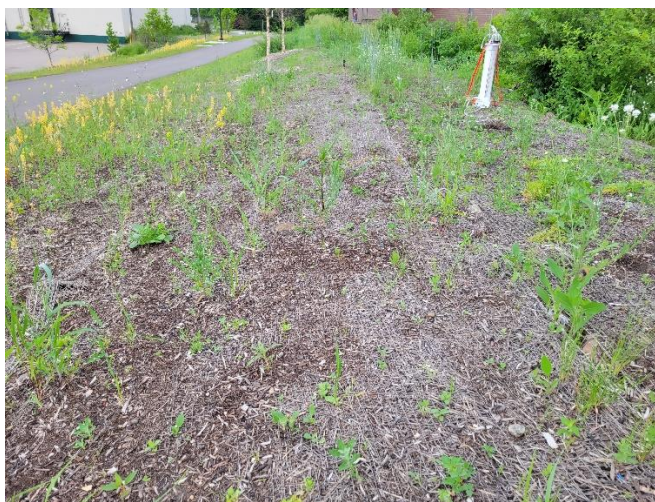
Sediment accumulating at toe of slope, 06-13-2022, site 2



Top of berm, no compost, 06-13-2022, site 4



Top of berm, composted, 06-13-2022, site 3



Top of berm, no compost, 10-10-2022, site 4



Top of berm, composted, 10-10-2022, site 3

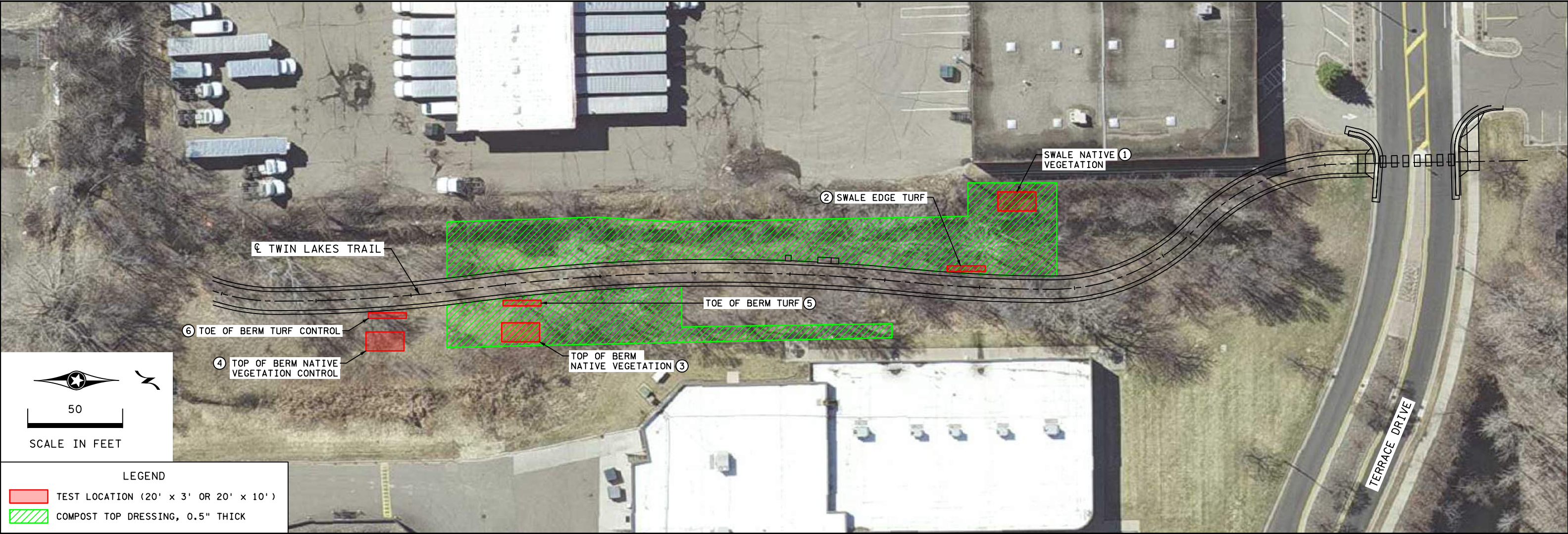


Compost top-dressing in tall vegetation, 10-15-2022, includes sites 3 & 5.



Compost top-dressing in mowed vegetation, 10-15-2022, includes sites 1 & 2





Test Results, Initial and After 1 year; 10-2021 -- 10-2022										
Site	Site Description	vegetation management	Organic Matter (%)	Phosphorus (ppm)	Potassium (ppm)	Soil ph	Salts (mmho/cm)	Soil Respiration (Co2-C, ppm C)	C:N Ratio	Ksat (in/hr)
1	swale	native	2.7 -- 2.6	23 -- 32	163 -- 77	8.0 -- 8.0				
2	swale edge	turf	2.0 -- 3.1	22 -- 48	245 -- 63	8.5 -- 7.9				
3	top of berm - compost	native	2.8 -- 3.1	14 -- 28	128 -- 182	8.0 -- 7.9				0.3 to 0.7 -- 3.1 to 9.6
4	top of berm - CONTROL	native	2.2 -- 2.2	13 -- 15	127 -- 91	8.0 -- 8.0				0.8 to 0.98 -- 2.0 to 5.4
5	toe of slope - compost	turf	3.8 -- 5.8	34 -- >50	288 -- 294	7.9 -- 7.8	0.61 -- 0.14	30.2 -- 46.8	7.7 -- 18.6	
6	toe of slope - CONTROL	turf	3.0 -- 3.2	31 -- 42	>300 -- 191	7.9 -- 7.9	0.55 -- 0.19	18.5 -- 38.8	6.3 -- 17.3	

Roseville Soils Testing, Initial Testing and Compost Top-Dressing
Twin Lakes Trail - South

Ramsey County Ditch 4 Construction Soils Study Award

Public Works Department

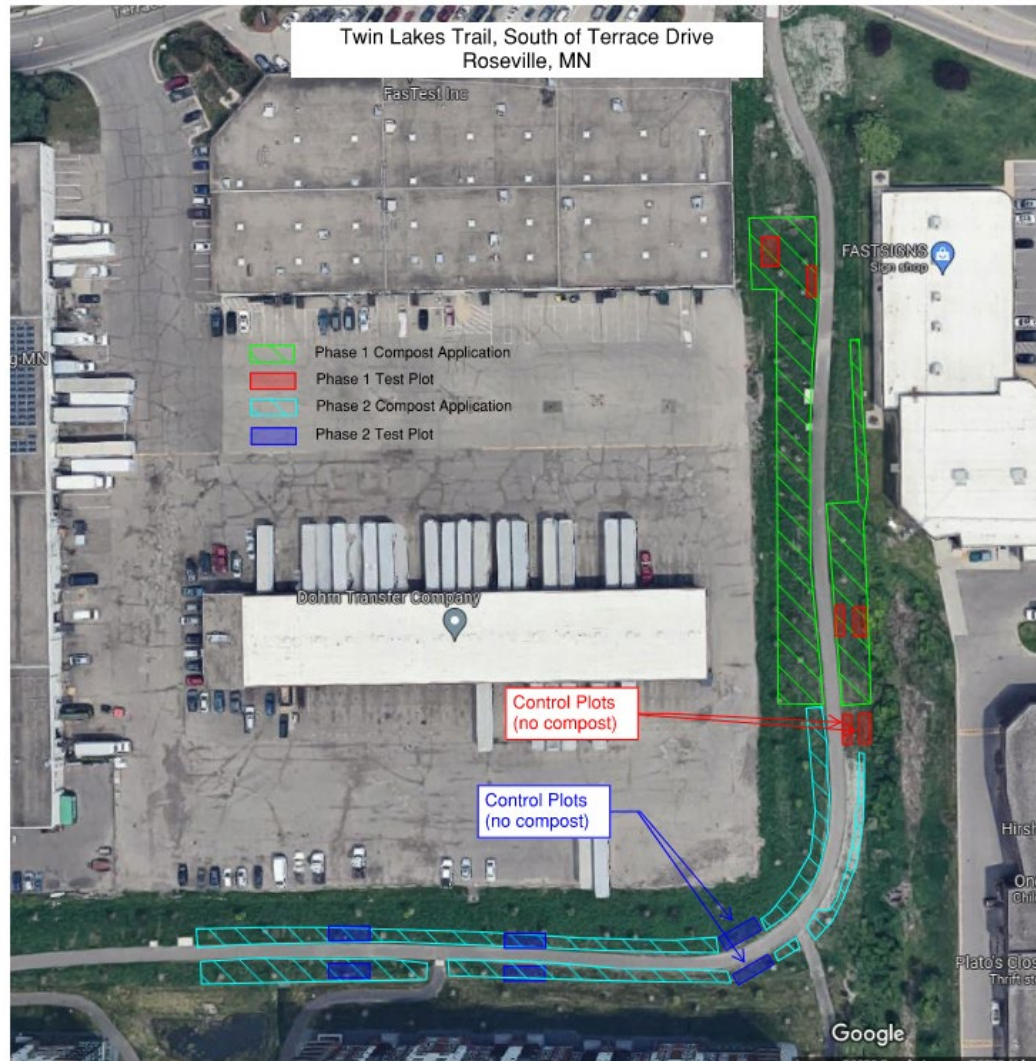
Public Works Environment and Transportation Commission

April 23, 2024



RCD 4 Soils Study Award

Location



Project Partners:

- Alliant Engineering
- Ramsey County
- Ramsey/Washington Recycling & Energy
- Roseville staff
- Volunteers (including Roseville residents)

Project Scope

- 3-year project
- \$9,000 cost (total)
- Spread 10 cubic-yards of compost annually
 - Compost provided for free from Ramsey County (derived from their food scrap drop off sites)
- 3-year extension approved through 2026

Goals:

- improve infiltration
- improve vegetation resilience in drought
- establish another use for a waste product
- and increase carbon sequestration

RCD 4 Soils Study Award

Study



2021 Construction

RCD 4 Soils Study Award

Study



Control area – no compost added



Issues with construction soils:

- low in organic matter
- high in nutrients
- low in soil microbes
- low in infiltration

RCD 4 Soils Study Award

Study



Dave Bauer, Alliant Engineering staff, and volunteers spreading compost on RCD 4.

RCD 4 Soils Study Award

Study



Test area – top dressed with compost

Right: Amoozemeter measuring hydraulic conductivity based on a constant head pressure.

RCD 4 Soils Study Award

Award



American Council of Engineering Companies – MN Chapter

Thanks to:

- Alliant Engineering
- Ramsey County
- Ramsey/Washington Recycling & Energy
- Roseville staff
- All the volunteers



Questions?



THANK YOU

Public Works Department

Roseville Public Works, Environment and Transportation Commission

Agenda Item

DATE: April 23, 2024

ITEM: 8.a.

ITEM DESCRIPTION: Bike Plan Update

Background

Roseville was awarded an Active Transportation Planning Assistance grant from MnDOT that Roseville will use to create a bike plan that complements our existing Pathway Master Plan. We held our committee kickoff meeting on April 15, 2024, with staff from Roseville, Ramsey County, MnDOT, Roseville Area Schools, a Roseville Parks & Rec Commissioner, an active Roseville resident, and PWET Commission Chair Bryant Ficek.

We are developing the engagement plan and will bring more updates to the PWET Commission throughout the process. At this stage in the process, we would most like the Commission's input on the bullets below. In addition, please share any ideas or questions throughout the process with Jennifer Lowry.

1. Are there any gaps in our stated goals shown below?
 - a. All Ages and Abilities: Creates a safe, comfortable and convenient network that prioritizes the most vulnerable roadway users, improving community access and safety.
 - b. Health and Well-being: Encourages a healthy active lifestyle for residents, improving community health outcomes.
 - c. Transportation Choice: Increases bicycle trips and connections to transit, reducing automobile trips.
1. Are there specific measures of success for the development and/or implementation of the Bike Plan we should consider?
2. We are working with Roseville Communication to identify individuals, groups and events where we can connect with the public regarding the Bike Plan. Do you have suggestions?
3. June 10-12, 2024, we have tentatively scheduled a Bike Summit to include a bike ride audit to experience biking in Roseville first-hand, a network mapping workshop, and a demonstration concept workshop. If you are interested in helping to facilitate or plan any of these, especially the bike ride audit, please let us know.

In addition, a new website has been launched that includes a survey, an interactive map, and a way to subscribe for updates. The survey will close May 20, 2024. Please share this link with your networks.

<https://talk.dot.state.mn.us/roseville-bike-plan>

Recommendation

Receive update and provide feedback to staff.

Attachments

None

Roseville Public Works, Environment and Transportation Commission

Agenda Item

DATE: April 23, 2024

ITEM: 9.a.

ITEM DESCRIPTION: County Road C Project Update

Background

At the April 15, 2024 City Council meeting, Ramsey County staff gave a presentation to the City Council on the County Road C 4:3 lane project. Attachment 1 shows the project location and Attachment 2 is the presentation they presented.

Ramsey County, in collaboration with the cities of Roseville and Little Canada, is working to redesign County Road C (CSAH 23) between Lexington Avenue and Little Canada Road. This redesign will include a 4-to-3 lane conversion of County Road C, complete with a continuous center left turn lane. The roadway will be resurfaced and restriped and traffic signals will be replaced at Rice Street and Lexington Avenue. The project will also be looking at pedestrian/bicycle needs and updating those facilities for the project area. Construction is anticipated in 2026.

The project is also preparing plans to replace the bridge over BNSF railway west of Victoria Street and preparing an intersection control evaluation for the intersection of Victoria Street and County Road C. Both will be future construction projects and are currently unfunded.

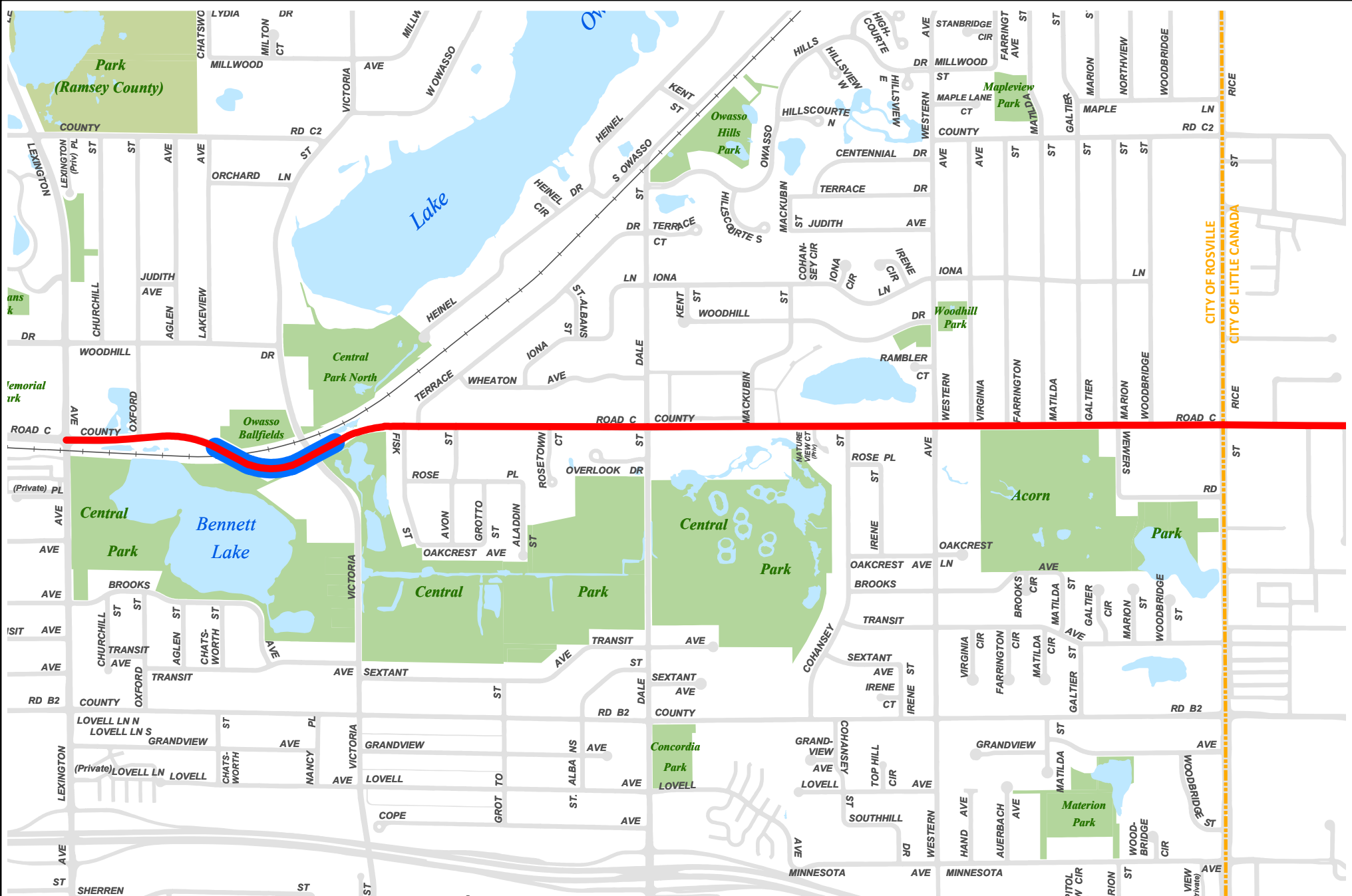
More information can also be found on the project website: <https://www.ramseycounty.us/residents/roads-transportation/future-road-projects/future-road-construction-projects/county-road-c>

Recommendation

Receive Presentation.

Attachments

1. Location Map
2. Presentation



Ramsey County Road C (CSAH 23) Project Lexington Ave to Little Canada Rd



Prepared by: Engineering Department
4/9/2024

- 2026 Construction Project
 Future Construction Project
 City Boundary

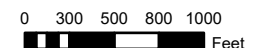
Data Sources

* Ramsey County GIS (4/2/2024)

* City of Roseville Community Development

* City of Roseville Finance Department

DISCLAIMER:
This map is neither a legally recorded map nor a survey and is not intended to be used as one. This map is a compilation of records and information and data located in various city, county, state and federal offices and other sources regarding the area shown, and is to be used for reference purposes only. The City does not warrant that the Geographic Information System (GIS) Data used to prepare this map are error free, and the City does not warrant that the GIS Data can be used for navigational, tracking or any other purpose that requires a measured or surveyed boundary. The City does not warrant that the GIS Data are free of errors or omissions. Discrepancies are found between local contact 651-792-7075. The preceding disclaimer is provided pursuant to Minnesota Statutes §466.03, Subd. 1 (2006), and the use of this map acknowledges that the City shall not be liable for any damages, and expressly disclaims any and all liability, including but not limited to, any and all damages of any kind and all claims brought by user, its employees or agents, or third parties which arise out of the user's access or use of data provided.



2026CtyRdCProject



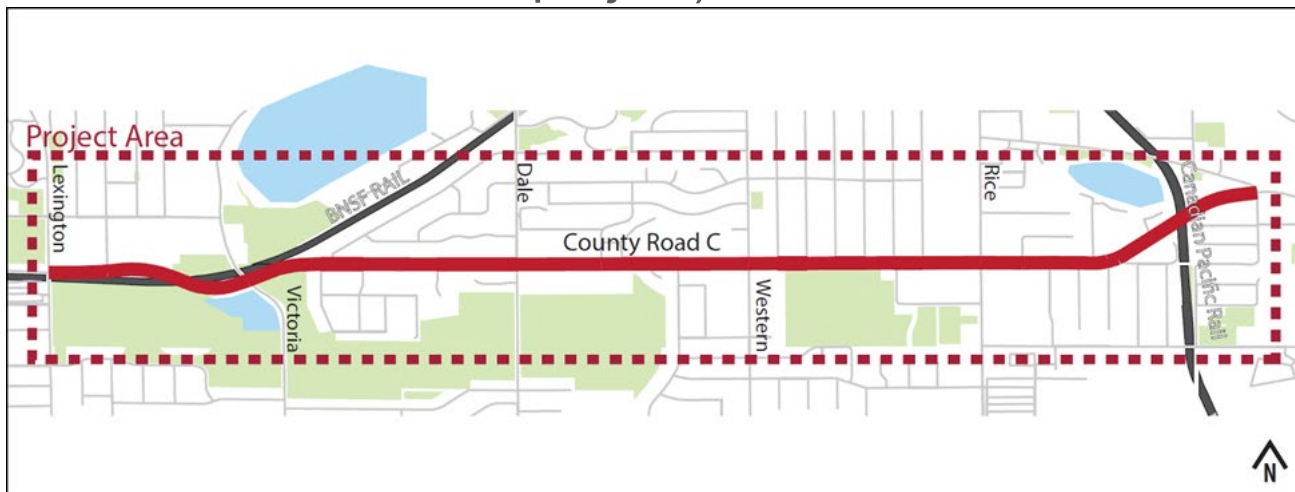


County Road C (CSAH 23)

April 15, 2024

Project Overview:

- County-led project from Lexington Ave to Little Canada Rd. Project within City of Roseville ending at Rice St includes:
 - 4-to-3 lane conversion
 - Pavement rehabilitation
 - Addition or enhancement of ADA pedestrian facilities
 - Signal modifications at Rice St and Lexington Ave
 - Intersection modification study at Victoria St
 - Bridge study/plans over BNSF Railroad (not to be constructed with this project)



Existing Conditions:

- The pavement is in poor condition
- Lack of adequate ped/bike accommodations
- Evaluate pedestrian crossing locations



Pedestrian Crossings



Project Opportunities

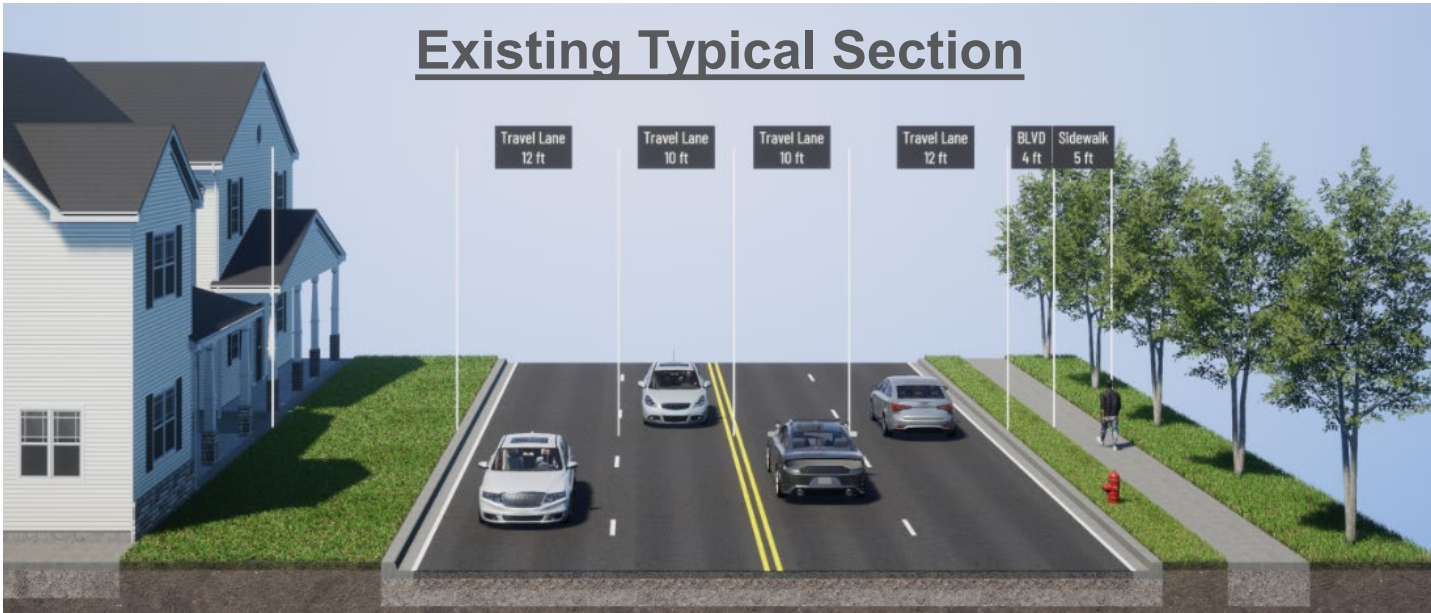
- Upgrade pavement surface
- Evaluate private utilities
- Upgrade pedestrian facilities and crossings
 - Engage with:
 - Businesses
 - Schools
 - Housing

Project Update:

- Collected survey of the corridor
- Initiated utility coordination
- Scheduled borings (late April)
- Identified an existing and proposed typical section
- Identified existing trail/walks

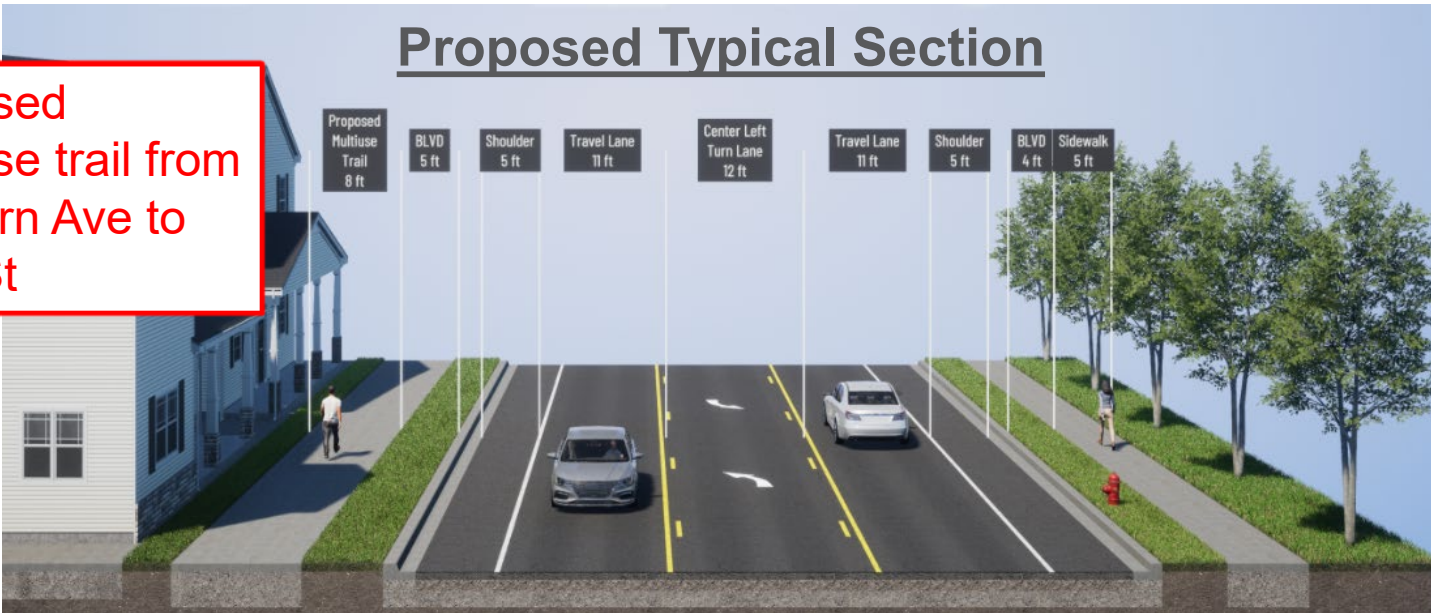


Existing Typical Section

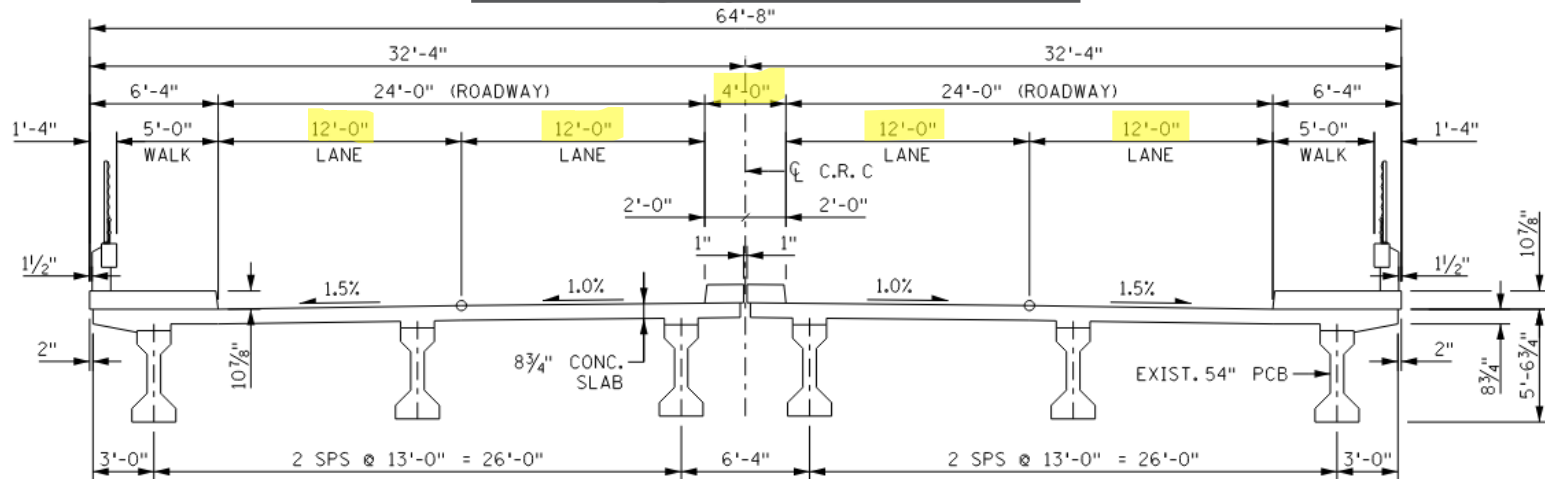


Proposed Typical Section

Proposed
multiuse trail from
Western Ave to
Rice St

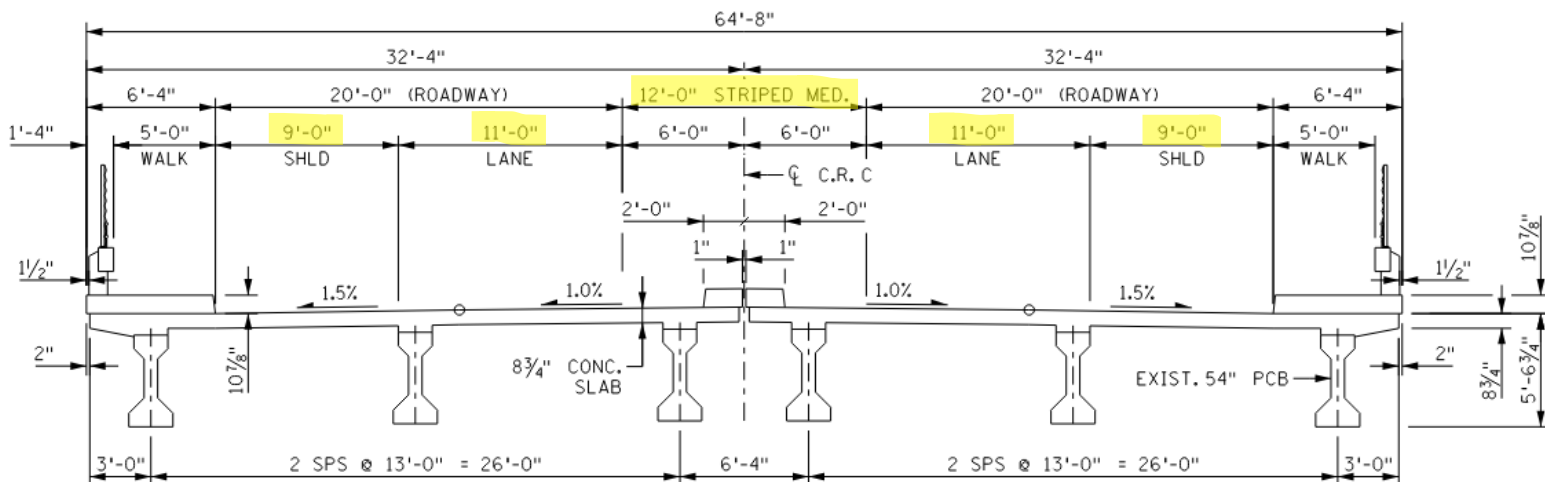


Existing Typical Section



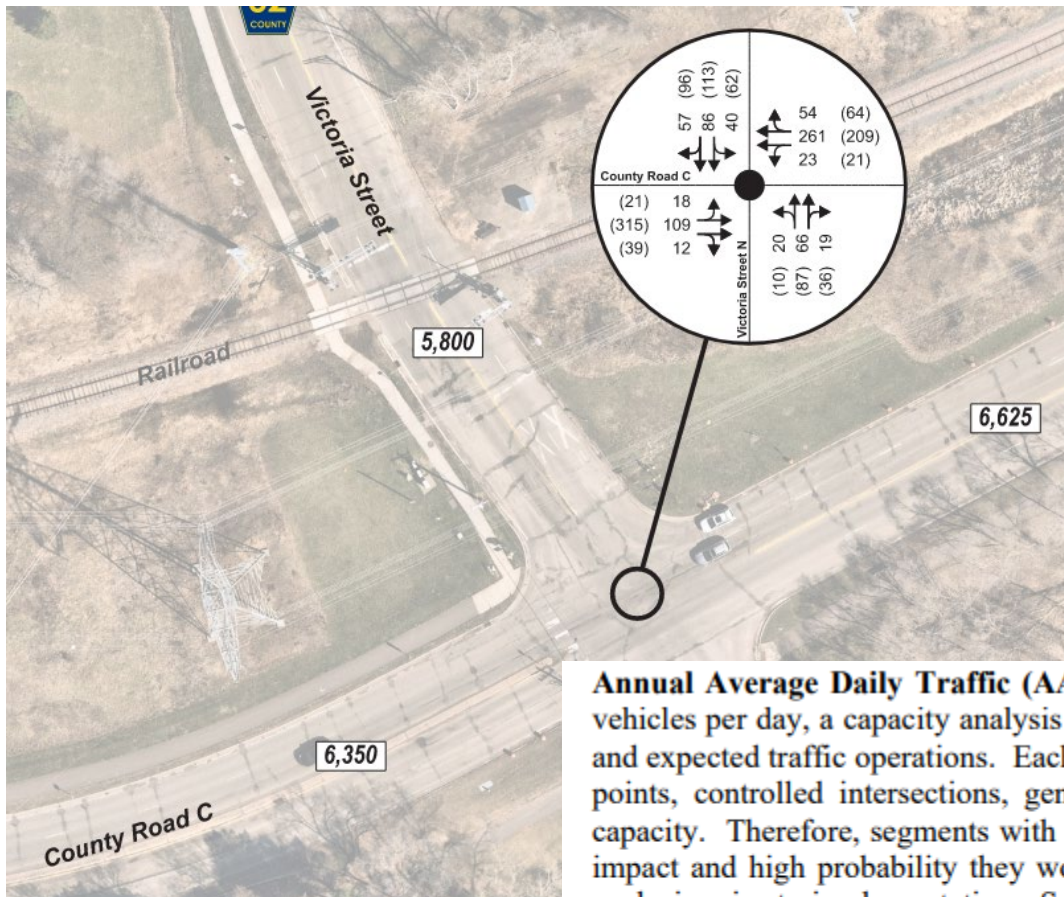
TRANSVERSE SECTION
EXISTING CONDITION

Proposed Typical Section



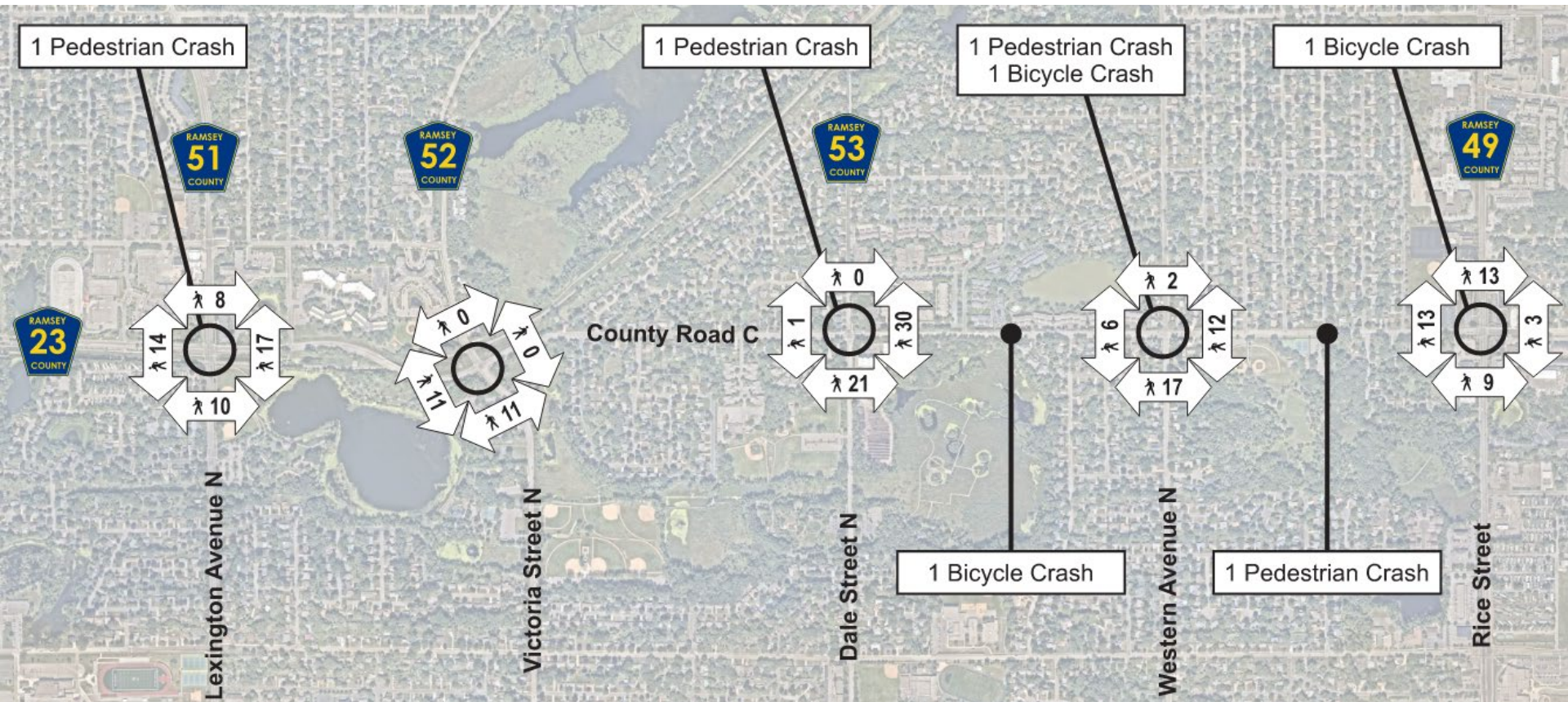
TRANSVERSE SECTION
SP 062-623-060 PROPOSED CONDITION

Traffic Conditions



Annual Average Daily Traffic (AADT). As a three-lane roadway approaches 17,000 vehicles per day, a capacity analysis is needed to better understand the roadway capacity and expected traffic operations. Each segment is unique in terms of the number of access points, controlled intersections, generators and land uses that affect overall roadway capacity. Therefore, segments with less than 16,000 AADT were deemed to have a low impact and high probability they would operate acceptably with little need for detailed analysis prior to implementation. Segments with 16,000-18,000 AADT were deemed to have a moderate impact and moderate probability they would operate acceptably and should have detailed analysis prior to implementation. Segments with greater than 18,000 AADT were deemed to have a high impact and low probability they would operate acceptably and detailed analysis prior to implementation is strongly recommended.

Ped and Bike Crash Locations



So, why 4-to-3 Lane Conversion?

Reduce vehicle speed

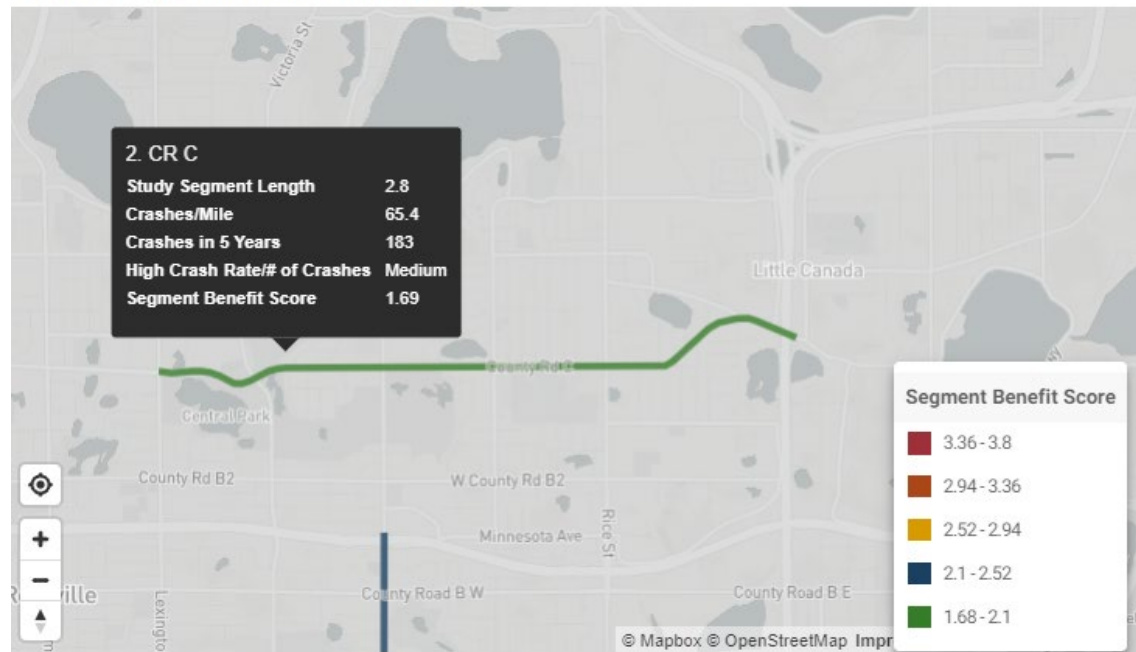
Create safer street crossings

Improve the flow of people and vehicles in the community

Increase bicycle safety

Roadways Included in Study

Roads were assigned a benefit score based on five factors.



Planned Schedule:

- Preliminary design – Fall 2023 to 2024
- Final Design – 2025
 - Right-of-way process
 - Secure permits
 - Cooperative Agreement
- Construction planned for 2026

WE SEEK YOUR INPUT AND SUPPORT!

Public Engagement:

- First open house planned for May 2024
- Subsequent open houses every 4-6 months (up to 5 open houses)
- Project Website
- Pop-up events geared towards stakeholders along the corridor including significant economic, ethnic, and car free households

Contact Project Staff:

Joey Lundquist, Ramsey County Project Manager

josephine.lundquist@ramseycounty.us |
651-266-7114

Thank You

Roseville Public Works, Environment and Transportation Commission Agenda Item

DATE: April 23, 2024

ITEM: 10.a.

ITEM DESCRIPTION: Future Agenda Items

Background

Suggested Items:

Looking Ahead:

- May 28
 - MS4 Annual Meeting
 - Trout Brook Interceptor Flood Analysis (CRWD Presenting)
 - Civic Campus Master Plan Update
- June 25
 - Prep for Joint Council Meeting
 - Public Safety Update
 - Pavement Management Funding – Asset Management
- July 23
 - Joint Council Meeting Follow-up/Update Work Plan
- Future
 - Transit/Micro Transit Update
 - Tour – SPRWS Water Plant

Recommendation

Set preliminary agenda items for the May 28, 2024 Public Works, Environment & Transportation Commission meeting.

Attachments

None