

City of Redmond



Agenda Study Session

**Tuesday, February 28, 2023
7:00 PM**

**City Hall: 15670 NE 85th St; Remote: Comcast Ch. 21/321, Ziplify Ch. 34,
Facebook (@CityofRedmond), Redmond.gov/rctvlive, or 510-335-7371**

City Council

*Mayor
Angela Birney*

*Councilmembers
Jessica Forsythe, President
Vanessa Kritzer, Vice President
Jeralee Anderson
David Carson
Steve Fields
Varisha Khan
Melissa Stuart*

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Please contact the City Clerk's office at (425) 556-2194 one week in advance of the meeting.**

AGENDA

ROLL CALL

1. Introduction to the Local Road Safety Plan and Update on the Action Plan Grant Application through the Safe Streets and Roads for All (SS4A) Federal Discretionary Program

Department: Planning and Community Development, 60 minutes

Requested Action: Informational

[Attachment A: Presentation](#)

[Attachment B: Preliminary Safety Figures](#)

Legislative History

2/7/23

Committee of the Whole -
Planning and Public Works

referred to the City Council Study Session

2. Council Talk Time

ADJOURNMENT



Memorandum

Date: 2/28/2023
Meeting of: City Council Study Session

File No. SS 23-010
Type: Study Session

TO: Members of the City Council
FROM: Mayor Angela Birney
DEPARTMENT DIRECTOR CONTACT(S):

Planning and Community Development	Carol Helland	425-556-2107
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DEPARTMENT STAFF:

Planning and Community Development	Seraphie Allen	Deputy Director
Planning and Community Development	Vangie Garcia, P.E.	Transportation Planning and Engineering Manager
Planning and Community Development	Josh Mueller	Senior Engineering Technician

TITLE:

Introduction to the Local Road Safety Plan and Update on the Action Plan Grant Application through the Safe Streets and Roads for All (SS4A) Federal Discretionary Program

OVERVIEW STATEMENT:

Last September 2022, staff submitted a transportation grant application for an Action Plan Grant through the new Safe Streets and Roads for All (SS4A) federal discretionary program. This is the grant program of the Bipartisan Infrastructure Law that provides dedicated funding to support regional, local, and Tribal plans, projects, and strategies that will prevent roadway deaths and serious injuries.

The SS4A program supports Secretary of Transportation Pete Buttigieg's National Roadway Safety Strategy and the Department's goal of zero deaths and serious injuries on our nation's roadways. Through the application process, the City was requested by USDOT to combine its application with the Puget Sound Regional Council (PSRC), Pierce County, and the cities of Burien, Everett, Kent, and Tukwila. PSRC will coordinate the work and serve as the lead applicant developing a Regional Safety Plan while each jurisdiction will develop detailed localized Safety Action Plans. As one consolidated application, it was just announced that The Safety Action Plan for the Central Puget Sound Region was selected for award from the Notice of Funding Opportunity (NOFO) FY22 Safe Streets and Roads for All Action Plan.

The City of Redmond showed its commitment to the safety of vulnerable active mode users by the adoption of the Vision Zero resolution in 2022. Along with the state adoption of Target Zero, a goal to reduce traffic fatalities and serious injuries on Washington's roadways to zero by the year 2030, cities must submit a Local Road Safety Plan that addresses fatal and serious injury crashes and systemic safety needs in the city to be eligible to apply for Washington State Department of Transportation city safety grants. A local road safety plan (LRSP) is a data-driven analysis and prioritization of an agency's roadways for traffic safety.

As part of the Transportation Master Plan work, staff had already started to develop a basic Local Road Safety Plan and Action Plan to guide demonstratable progress toward Vision Zero, which also consists of prioritization of risk factors, safety risk countermeasure projects, and actions. This introduction will cover the first step in the LRSP process which is

to look at the last five years of crash data to identify contributing factors, common circumstances and/or locations and transportation system characteristics that contribute strongly to all crashes in Redmond, especially those with severe outcomes.

Transpo, the City's consultant, looked at summary data of crashes and identified potential risk factors. To proactively address risk factors, several potential countermeasures, or categories of countermeasures will be recommended. The selection of countermeasures results in development of specific projects that will be part of the Safety Action Plan.

The City's Safety and Action Plan work with Transpo includes developing a new tool to prioritize projects using a safety "level of service." In building upon the prioritization method used by the Traffic Operations and Safety Engineering (TOSE) Division in Public Works, the data-based findings of the Safety and Action Plan will help develop a Safety Level of Service (LOS).

☒ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☒ **Receive Information** ☐ **Provide Direction** ☐ **Approve**

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
Transportation Master Plan
- **Required:**
N/A
- **Council Request:**
N/A
- **Other Key Facts:**
None

OUTCOMES:

The groundwork in developing the Local Road Safety Plan is required for the Existing Conditions section of the Transportation Master Plan Update. Developing a citywide Roadway Safety Action Plan allows the City to apply for state safety-related grants as well as prepares us to apply for a future grant opportunity for a SS4A Implementation grant for projects identified in the City's Action Plan.

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**
N/A
- **Outreach Methods and Results:**
N/A
- **Feedback Summary:**

N/A

BUDGET IMPACT:

Total Cost:

Staff time related to development of the Local Road Safety Plan is part of the Mobility of People and goods budget offer.

Approved in current biennial budget: ☒ Yes ☐ No ☐ N/A

Budget Offer Number:

0000034 - Mobility of People and Goods

Budget Priority:

Vibrant and Connected

Other budget impacts or additional costs: ☐ Yes ☐ No ☐ N/A

If yes, explain:

N/A

Funding source(s):

N/A

Budget/Funding Constraints:

N/A

☐ Additional budget details attached

COUNCIL REVIEW:

Previous Contact(s)

Date	Meeting	Requested Action
2/7/23	Committee of the Whole - Planning and Public Works	Receive Information

Proposed Upcoming Contact(s)

Date	Meeting	Requested Action
	None proposed at this time	N/A

Time Constraints:

The next round of WSDOT City Safety Grants is likely early 2024. A Local Road Safety Plan would need to be adopted before then to be eligible for those grants.

ANTICIPATED RESULT IF NOT APPROVED:

The City does not currently have a local road safety plan and would not be able to apply for state city safety grant

funding without one.

ATTACHMENTS:

- A. Presentation
- B. Preliminary Safety Figures

Introduction to the Local Road Safety Plan

Vangie P. Garcia, P.E., PMP

Transportation Planning and Engineering Manager

February 28, 2023



Agenda

- Review the Transportation Master Plan (TMP) role, strategies, and guiding principles
- Safer Streets and Roads for All (SS4A) grant opportunity
- Introduction to Local Road Safety Plan










Connection with Comprehensive Plan



Comprehensive (COMP) Plan - Adopts Vision for the City							
 Transportation	 Housing	 Parks, Arts & Culture	 Public Safety	 Utilities	 Capital Facilities	 Neighborhoods	 Human Services
 Economic Vitality	 Urban Centers	 Land Use	 Natural Environment	 Shorelines	 Historic Preservation	 Annexation & Regional Planning	 Implementation & Evaluation

Typically updated every 8-10 years, amendments throughout the year



Functional & Strategic Plans - Defines How Vision will be Implemented								
 TRANSPORTATION	 Urban Centers & Neighborhoods	 Utilities	 ADA / Accessibility	 Environment & Sustainability	 Housing & Human Services	 Public Safety & Emergency Preparedness	 Facilities	 Parks & Trails

Transportation Master Plan (TMP), typically updated every 6-8 years, last major update 2013



Community Involvement



Environmental Review

Parts of a Transportation Master Plan

- Transportation planning context
- Community outreach
- Transportation goals, policies, and actions
- Transportation vision
- Transportation project list
- Implementation



Developing Transportation Policies



Guiding Principles

Safety



Equity and Inclusion



Sustainability



Technology Forward



Resilience



Transportation Strategies

Organize around light rail

Maintain transportation infrastructure

Improve travel choices and mobility

Enhance freight and service mobility

A Series of Discussions

- **Local Road Safety Plan**
- Bicycle Design Guide Update
- Pedestrian Strategic Plan
- Transit Strategic Plan
- Active Transportation Plan
- Technology Inventory and Assessment
- 2023-2050 Transportation Facilities Plan
- ADA Transition Plan in Public Rights of Way
- Downtown Parking Strategic Plan Update



Developing the Transportation Master Plan



Work Title	2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
2023-2050 Transportation Facilities Plan (to be incorporated in Redmond 2050)								
Local Road Safety Plan								
Bicycle Design Guide Update*								
Pedestrian Strategic Plan*								
Transit Strategic Plan*								
Technology Current State Assessment								
Downtown Parking Strategic Implementation Plan Update								

* Bicycle, Pedestrian, and Transit mode system plans will be incorporated into the TMP as the **Active Transportation Plan**

Safe Streets and Roads for All (SS4A)



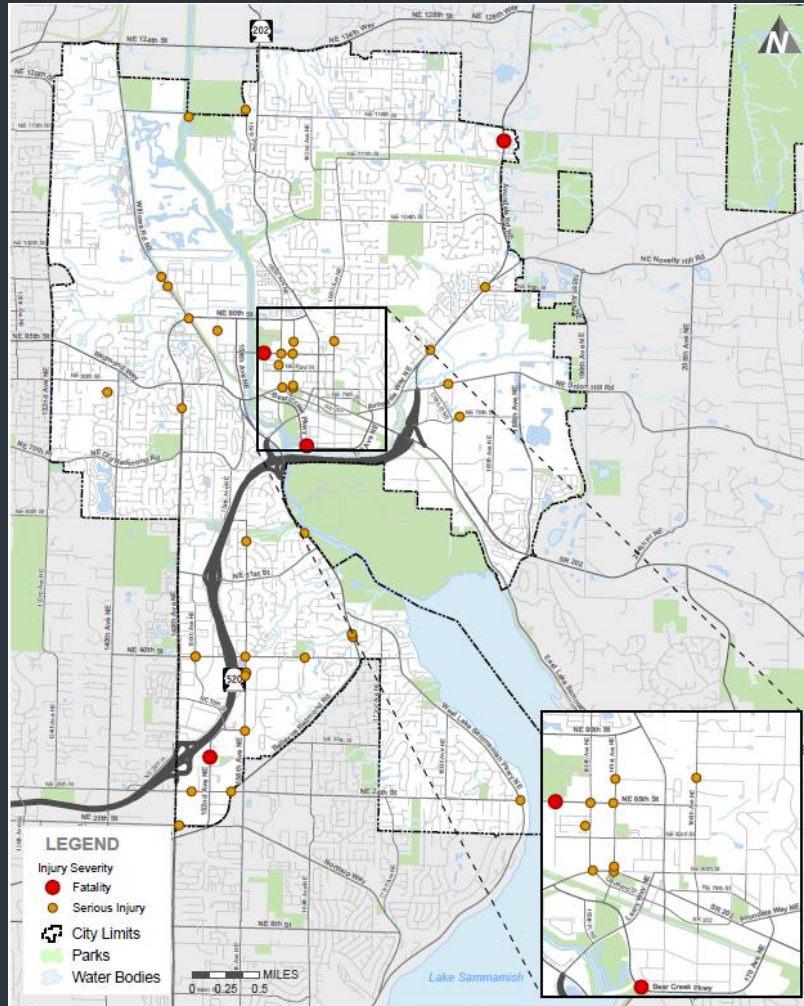
- Bipartisan Infrastructure Law (BIL) established discretionary program dedicated to prevent roadway deaths and serious injuries
- The City applied individually and USDOT requested to combine application with the Puget Sound Regional Council (PSRC), Pierce County, and the cities of Burien, Everett, Kent, and Tukwila
- PSRC will coordinate the work and serve as the lead applicant



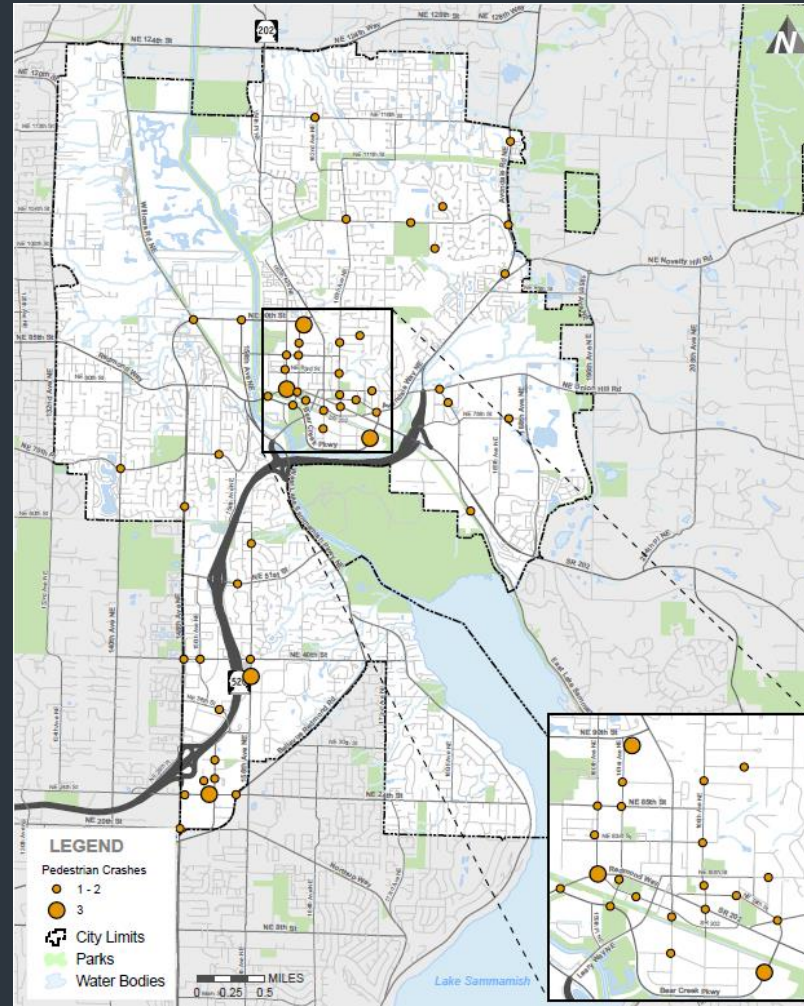
Local Road Safety Plan (LRSP)

- Proactive data-driven approach to address fatal and serious injury crashes
- Analyze individual collisions to identify the factors present and look for common trends in roadway/infrastructure factors
- Create prioritized list of roadway locations where identified factors are present
- Develop prioritized list of projects
- *Required for WSDOT City Safety Grant Program*

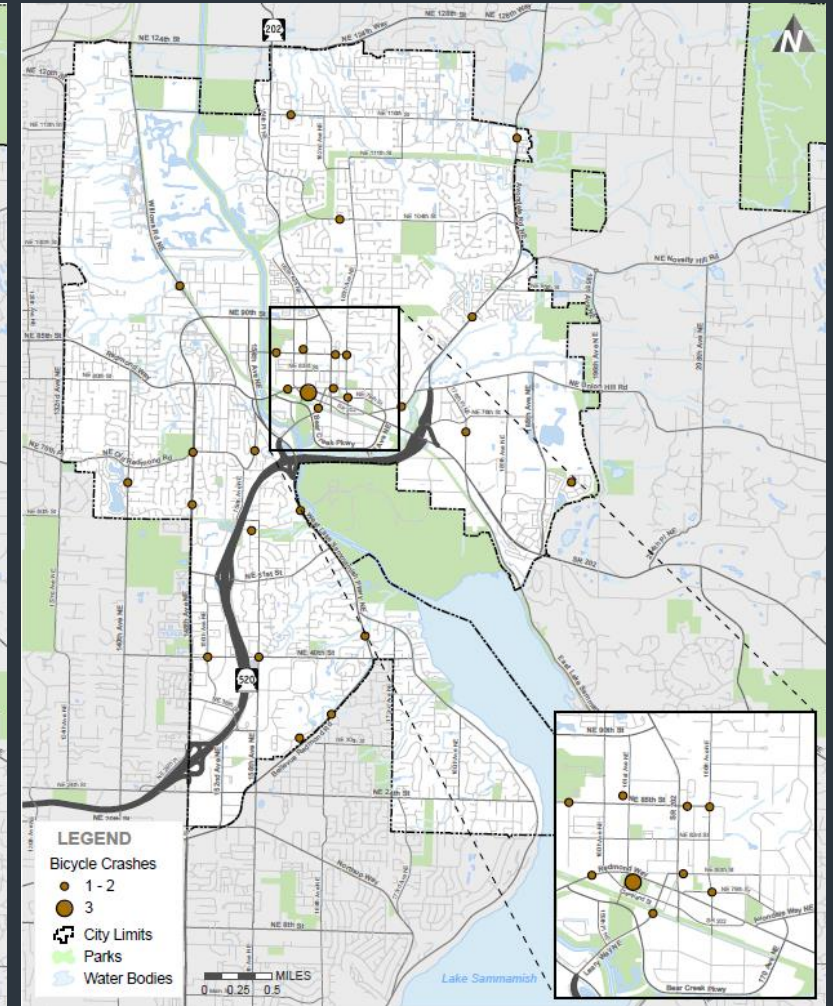
Work Just Getting Started



Serious and Fatal Crashes
2016-2020



Pedestrian Crashes
2016-2020



Bicycle Crashes
2016-2020

Preliminary data analysis

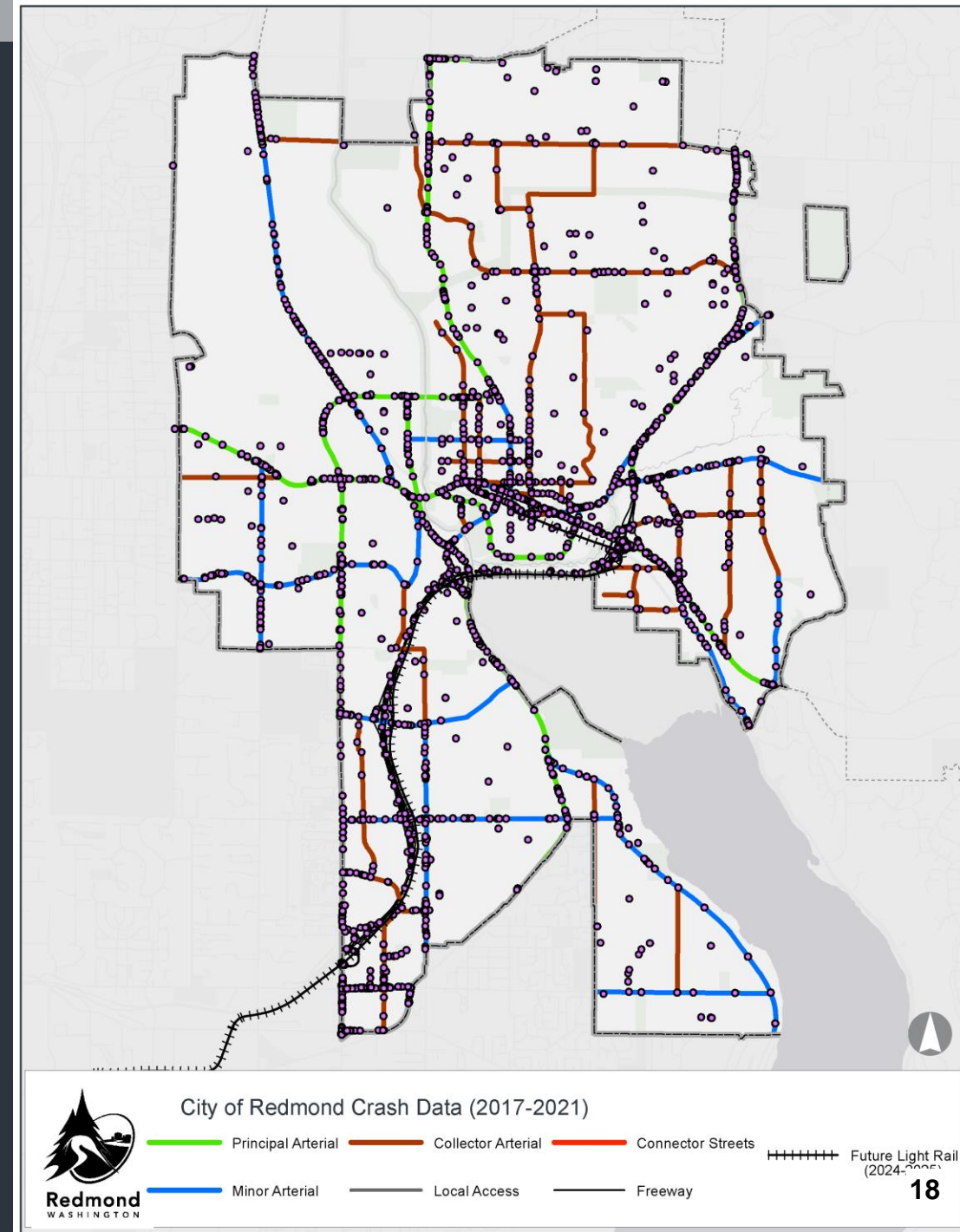
2016-2020 Data	Fatal/Serious Injury Crashes Only																	
	All WA Roads		WA All Cities		Westside Cities		REDMOND											
	2016-2020	%	2016-2020	%	2016-2020	%	2016-2020	%	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Overall Numbers																		
Total # of Collisions	12,358	-	5,246	-	4,234	-	53	-	7	6	16	7	17	11	6	7	11	3
# of Fatal Collisions	2,586	20.9%	751	14.3%	595	14.1%	7	13.2%	0	1	2	1	3	4	0	1	3	1
# of Serious Injury Collisions	9,771	79.1%	4,494	85.7%	3,638	85.9%	46	86.8%	7	5	14	6	14	7	6	6	8	2
# of Drug/Alcohol-Related Collisions	2,082	16.8%	757	14.4%	579	13.7%	3	5.7%	0	0	1	0	2	1	1	0	0	1
Total # of Fatalities	2,761	-	786	-	627	-	7	-	0	1	2	1	3	4	0	1	3	1
Total # of Injuries	16,645	-	6,843	-	5,530	-	64	-	7	12	19	6	20	11	7	6	15	3

Initial analysis of data available by WSDOT show the following data-based risk factors:

- Ped/Bike crashes in existing marked crosswalks
- Signalized intersections
- 30-35 mph roadways
- Two-way divided roadways

Developing a City Safety Strategy

- Proactive approach to prioritize projects by developing a Safety Level of Service (LOS) tool
- Metrics based on the LRSP





Suggested Next Steps

- Coordination for SS4A grant
- Community engagement for Local Road and Safety Action Plan
- Future staff report on data findings and public feedback to develop draft plan
- Finalize plan document

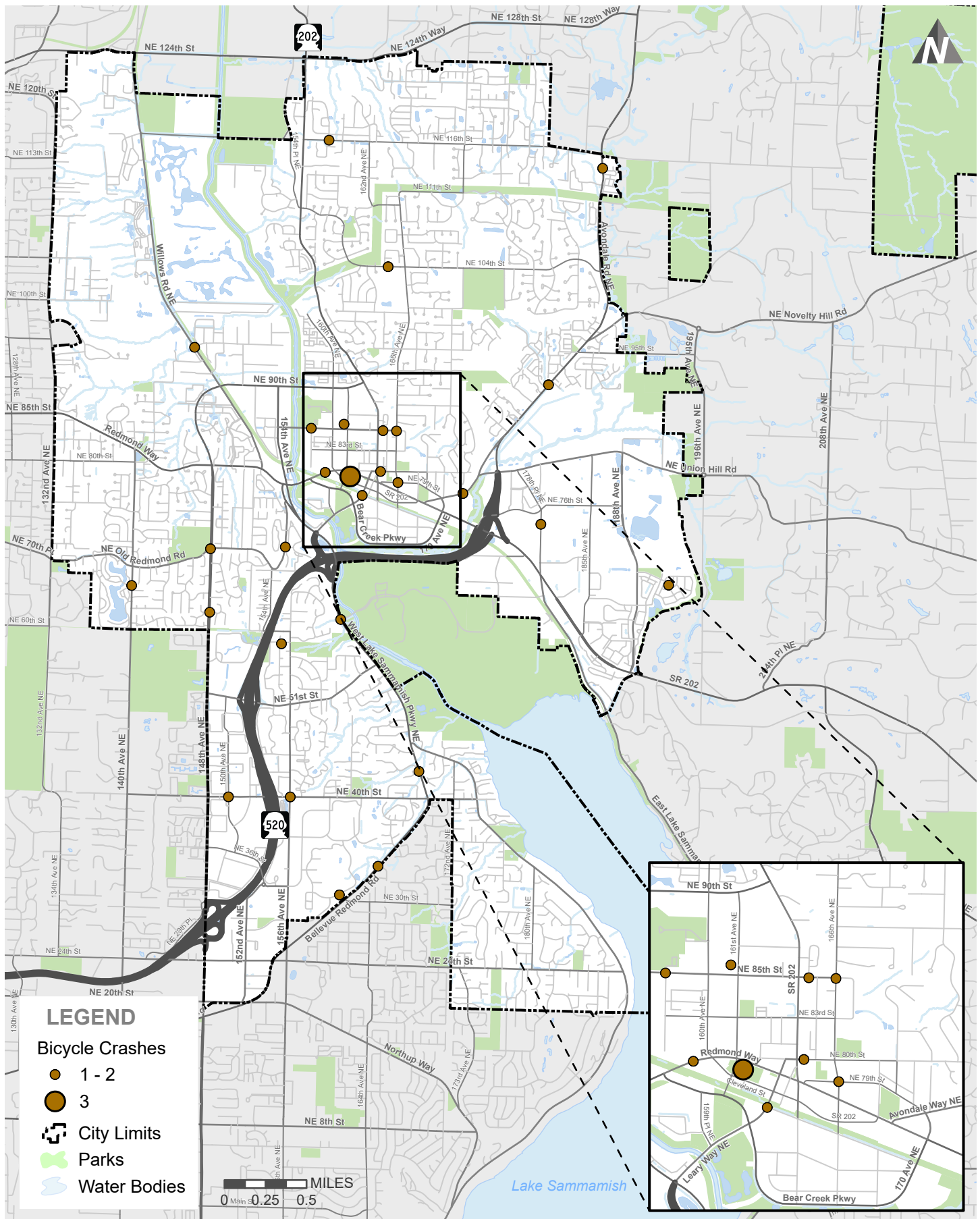
Thank You

Any Questions?

Vangie Garcia, vgarcia@redmond.gov









City of Redmond

15670 NE 85th Street
Redmond, WA

Memorandum

Date: 2/28/2023

Meeting of: City Council Study Session

File No. SS 23-009

Type: Study Session

Council Talk Time