Moving Toward 2050

TMP Status Update

Transportation Planning and Engineering Division

November 14, 2023

Redmond
WASHINGTON

Agenda

- Briefly review scope of work to develop the Transportation Master Plan
- Overview of work that has been accomplished since June:
  - Local Road Safety Plan
  - Bicycle Design Guide Update
  - Transportation Technology Current State Assessment
  - Downtown Parking Management Strategic Plan Implementation
  - Introduction to the 2024-2050 Transportation Facilities Plan
- Upcoming Milestones

Change driven by Comprehensive Plan

REDMOND 2050

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

2050 Transportation Vision

Guiding Principles

Safety

Equity and Inclusion

Sustainability

Technology Forward

Resilience

Transportation Strategies

Organize around light rail

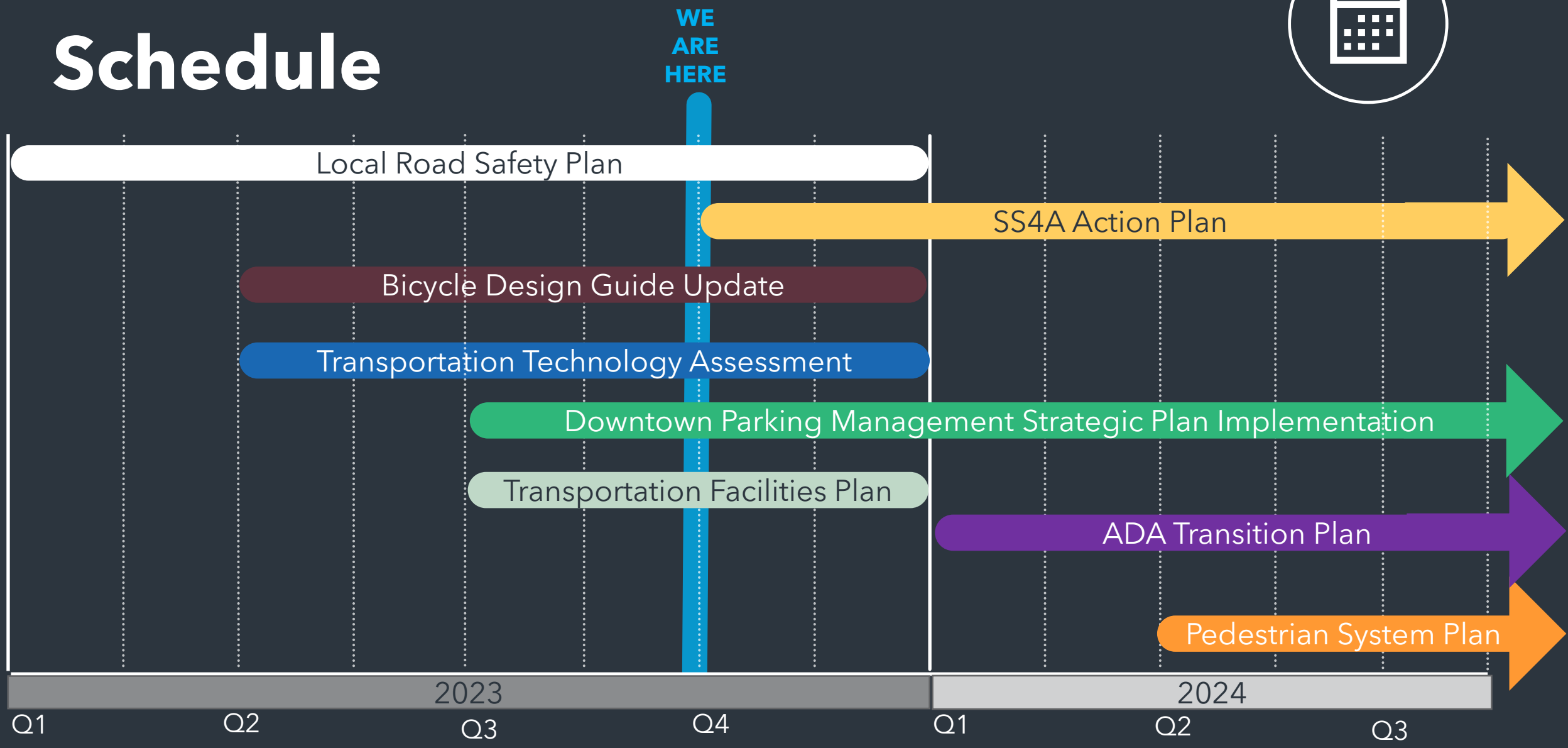
Maintain transportation infrastructure

Improve travel choices and mobility

Enhance freight and service mobility

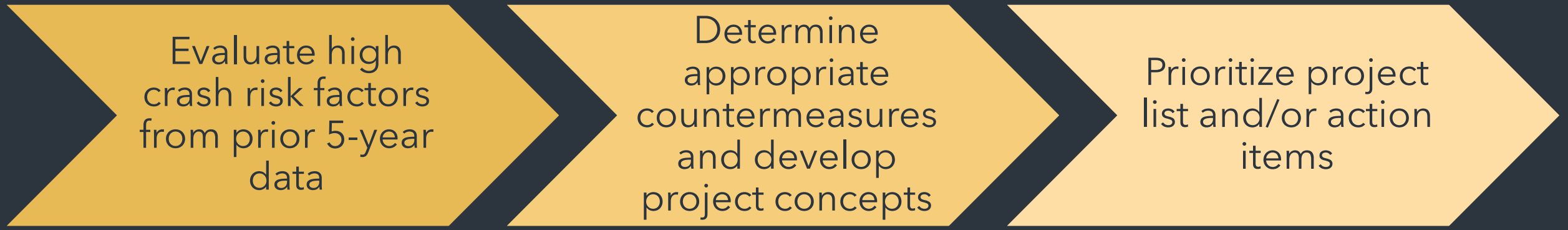
Documents in Progress

Schedule


WE ARE HERE
Local Road Safety Plan
SS4A Action Plan
Bicycle Design Guide Update
Transportation Technology Assessment
Downtown Parking Management Strategic Plan Implementation
Transportation Facilities Plan
ADA Transition Plan
Pedestrian System Plan
2023
2024
Q1
Q2
Q3
Q4
Q1
Q2
Q3

Local Road Safety Plan (LRSP) Process

How can we get to zero?



Preliminary Countermeasures

Countermeasure: A right-of-way facility improvement strategy that enhances safety by addressing specific risk factors

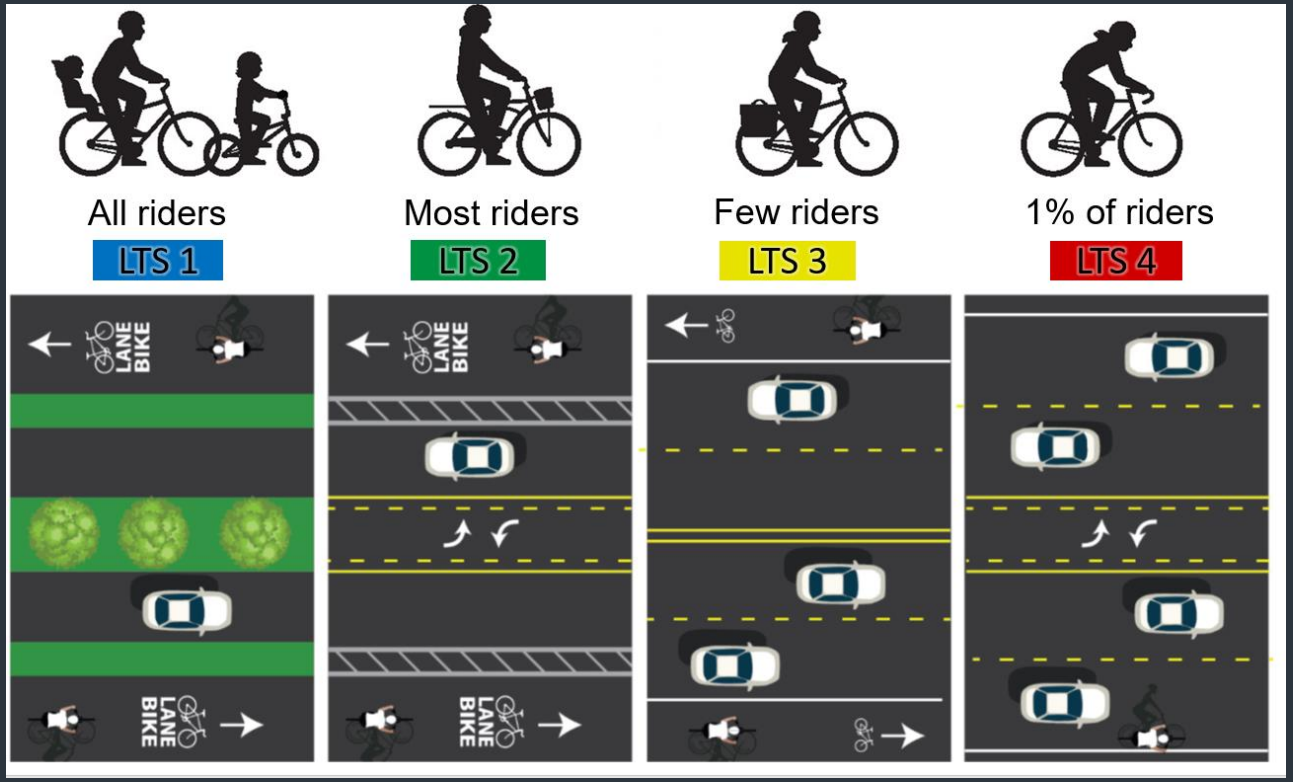
Data-Based Risk Factor	Possible Countermeasure
Pedestrian/bike crashes in existing marked crosswalks	• Rectangular Rapid Flashing Beacons (RRFBs) • Additional illumination • Curb extensions
Signalized intersections	• Leading pedestrian interval • Longer walk signal time • Potential "ped scramble" (all-walk) at Downtown intersections • Blank-out "No Turn on Red" signs actuated by pedestrian pushbutton
30-35 mph roadways	• Additional illumination • Channelization improvements • Signal timing improvements
Two-way divided roadways	

LRSP Project Summary

Risk Factors Addressed:

- Pedestrians in marked crossings
- Bikes in existing facilities
- Crashes at signalized intersections
- Crashes on 30 mph+ roadways
- Crashes on two-way divided roadways
- Improper speed for conditions

High Visibility Crosswalk Markings	Signalized Crosswalk Improvements and Signage	High Friction Surface Treatment Program
Enhanced Bike Lane Protection	Bike Lane Relocation	Divided Highway, 35+ mph Limit Intersection Program
Add Pedestrian Crossings at High Demand Locations	Automated Speed Enforcement	Citywide Speed Limit Study



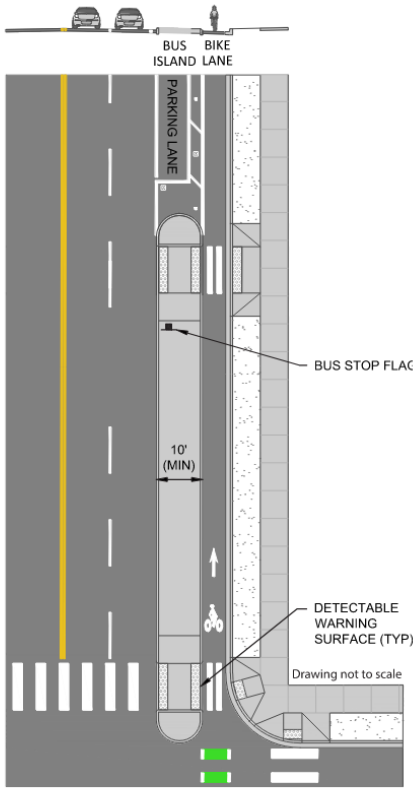
Bicycle Design Guide Update

- **NEW**: Incorporate Level of Traffic Stress (LTS) considerations into the manual
- **UPDATE**: Enhance clarity/make language and graphics as simple as possible and easy to understand
- **CURRENT STATUS**: Consultants finalizing manual to incorporate LTS tables, local example photos, and updated graphics

Bicycle Design Guide Graphic Updates

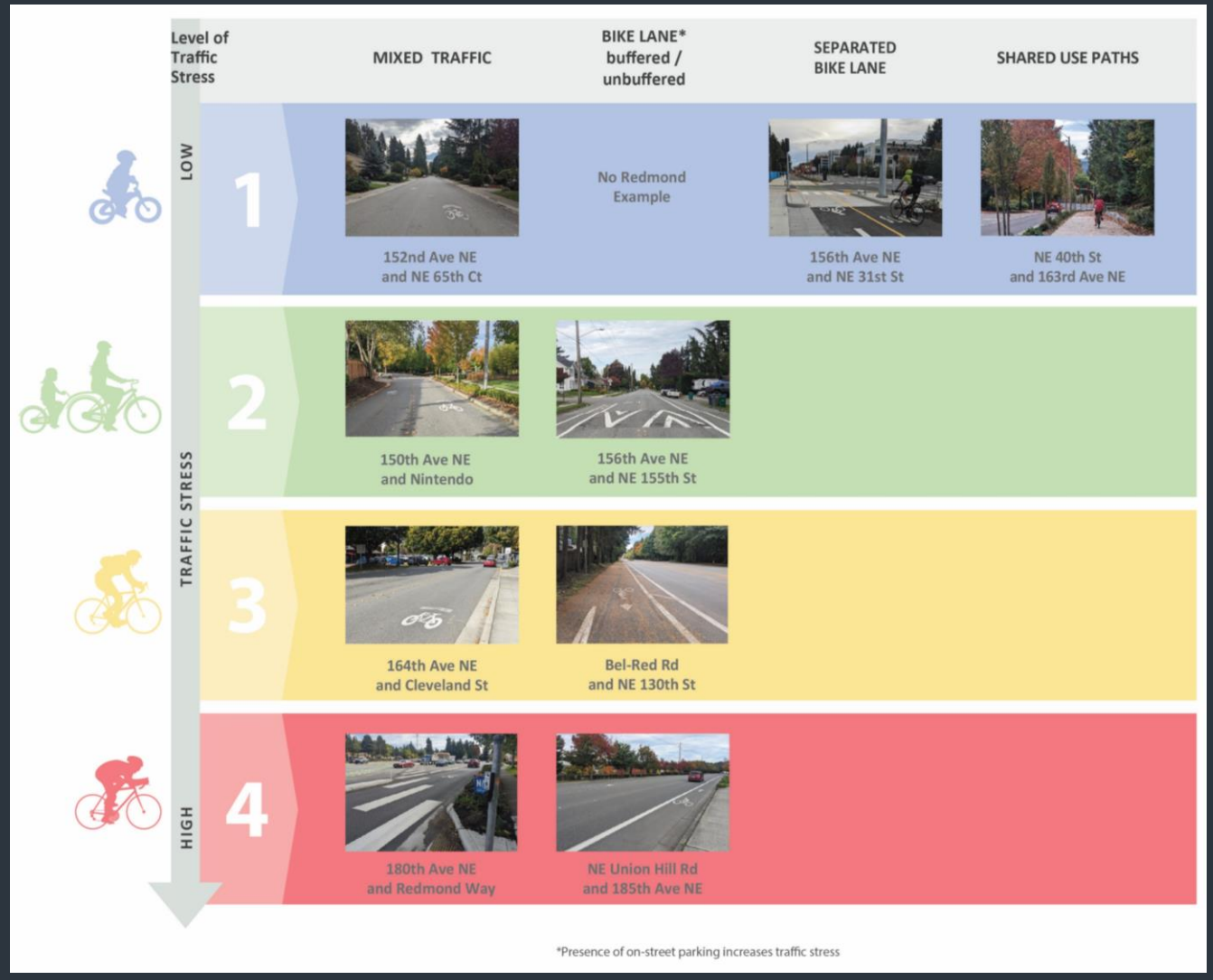
Floating Bus Island with Bike Lane

INTENT: To provide a high comfort bicycle facility at a bus stop by routing bicyclists behind the bus stop.



NOTES

1) The length of the floating bus stop island should be such that all doors of the bus can load onto the island.
2) The placement of the floating bus stop island should be such that the rear of a stopped bus does not block the crosswalk.
3) Cross slope of floating bus stop must meet ADA requirements.
4) Beveled curb may be used on bike lane side of floating bus stop, but the width of curb cannot be considered part of the accessible width of the bus stop.



Transportation Technology Current State Assessment

- **Purpose**: Assess current state of existing systems and serve as a baseline against which to develop the City's transportation technology vision in the TMP
- **Status**: Reviewing recommendations and finalizing report

Recommendations focus on:

1. Asset management
2. Transportation operations
3. Centralized business processes
4. Data services
5. Regional and mobility partnerships

In Support of Redmond 2050 strategies:

- Organize around light rail
- Maintain transportation infrastructure
- Improve travel choices and mobility
- Enhance freight and service mobility

Downtown Parking Management Strategic Plan Implementation

Sept. 15, 2020

Council adopts Downtown Parking Management Strategic Plan

Jan. 1, 2024

Action 1a, part 1:

- All time-limited on-street parking spaces will shift to a 2-hour limit for citywide consistency
- Time–limited parking will change to 9 a.m. to 9 p.m., Monday through Saturday

Preparing to act on implementation strategies through coordination with staff in Planning, Public Works, and Maintenance & Operations

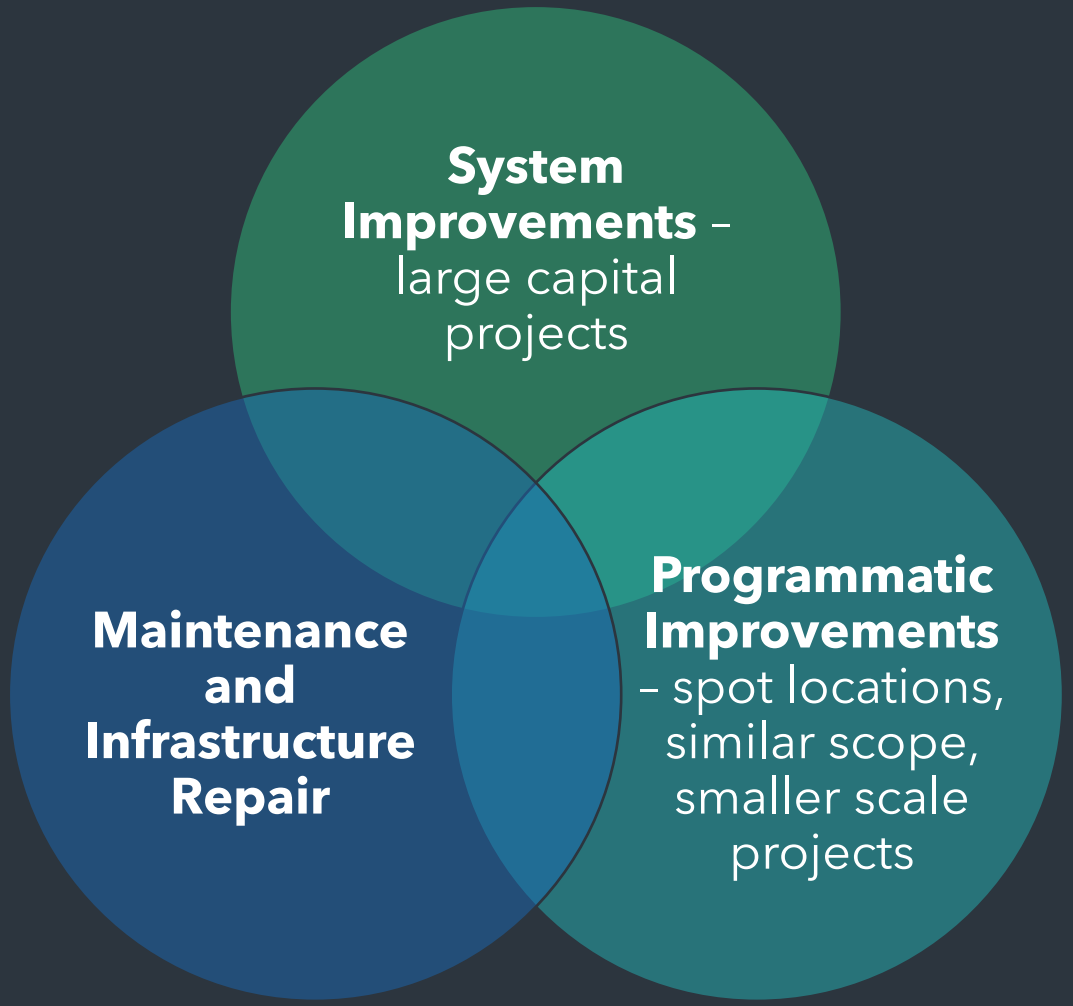
We are here

Future Implementation Strategies

2024-2050 Transportation Facilities Plan (TFP)

Introduction to the TFP

- **What**: Implements a plan-based concurrency system
- **How**: Defines sufficient capacity for 2050 land use
- **Why**: Helps determine whether projects are constructed concurrently with planned land use



Upcoming Milestones

- Next TMP update in 2024
- Finalize 2024-2050 Transportation Facilities Plan (TFP) that will be included in Redmond 2050
- Finalize plans in progress:
  - Redmond Local Road Safety Plan
  - Updated Redmond Bicycle Design Guide
- Apply for City Safety Grant in January 2024

Questions?

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