AGENDA

June 10, 2025

PLANNING COMMISSION

milwaukieoregon.gov

Hybrid Meeting Format: The Planning Commission will hold this meeting both in person at City Hall and through Zoom video. The public is invited to watch the meeting in person at City Hall, online through the City of Milwaukie YouTube page (https://www.youtube.com/channel/UCRFbfqe3OnDWLQKSB_m9cAw), or on Comcast Channel 30 within city limits.

If you wish to provide comments, the city encourages written comments via email at planning@milwaukieoregon.gov. Written comments should be submitted before the Planning Commission meeting begins to ensure that they can be provided to the Planning Commissioners ahead of time. To speak during the meeting, visit the meeting webpage (https://www.milwaukieoregon.gov/bc-pc/planning-commission-136) and follow the Zoom webinar login instructions.

- 1.0 Call to Order Procedural Matters 6:30 PM
 - 1.1 Native Lands Acknowledgment
- 2.0 Planning Commission Minutes Motion Needed
 - 2.1 April 22, 2025
 - 2.2 May 13, 2025
- 3.0 Information Items
- **4.0** Audience Participation This is an opportunity for the public to comment on any item not on the agenda
- 5.0 Work Session Items
 - 5.1 Affordable Housing Incentives

Summary: Code Amendments

Staff: Senior Planner Vera Kolias

5.2 Transportation System Plan Update

Summary: Project Review

Staff: Associate Planner Ryan Dyar, Planning Manager Laura Weigel

- 6.0 Community Involvement Advisory Committee (CIAC)
- 7.0 Planning Department Other Business/Updates
- 8.0 Forecast for Future Meetings

June 24, 2025 1. Hearing Item: CSU-2025-002 (8835 SE 42nd Ave.)

July 8, 2025 No items at this time

Milwaukie Planning Commission Statement

The Planning Commission serves as an advisory body to, and a resource for, the City Council in land use matters. In this capacity, the mission of the Planning Commission is to articulate the Community's values and commitment to socially and environmentally responsible uses of its resources as reflected in the Comprehensive Plan.

- 1. **PROCEDURAL MATTERS.** If you wish to register to provide spoken comment at this meeting or for background information on agenda items please send an email to planning@milwaukieoregon.gov.
- 2. **PLANNING COMMISSION and CITY COUNCIL MINUTES.** City Council and Planning Commission minutes can be found on the City website at www.milwaukieoregon.gov/meetings.
- **3. FORECAST FOR FUTURE MEETINGS.** These items are tentatively scheduled but may be rescheduled prior to the meeting date. Please contact staff with any questions you may have.
- **4. TIME LIMIT POLICY.** The Commission intends to end each meeting by 10:00pm. The Planning Commission will pause discussion of agenda items at 9:45pm to discuss whether to continue an agenda item to a future date or finish the item.

Public Hearing Procedure

Those who wish to testify should attend the Zoom meeting posted on the city website, state their name and city of residence for the record, and remain available until the Chairperson has asked if there are any questions from the Commissioners. Speakers are asked to submit their contact information to staff via email so they may establish standing.

- 1. **STAFF REPORT.** Each hearing starts with a brief review of the staff report by staff. The report lists the criteria for the land use action being considered, as well as a recommended decision with reasons for that recommendation.
- 2. CORRESPONDENCE. Staff will report any verbal or written correspondence that has been received since the Commission was presented with its meeting packet.
- 3. APPLICANT'S PRESENTATION.
- **4. PUBLIC TESTIMONY.** Comments or questions from interested persons and testimony from those in support or opposition of the application.
- **5. QUESTIONS FROM COMMISSIONERS.** The commission will have the opportunity to ask for clarification from staff, the applicant, or those who have already testified.
- **6. REBUTTAL TESTIMONY FROM APPLICANT.** After all public testimony, the commission will take rebuttal testimony from the applicant.
- 7. CLOSING OF PUBLIC HEARING. The Chairperson will close the public portion of the hearing. The Commission will then enter into deliberation. From this point in the hearing the Commission will not receive any additional testimony from the audience but may ask questions of anyone who has testified.
- 8. COMMISSION DISCUSSION AND ACTION. It is the Commission's intention to make a decision this evening on each issue on the agenda. Planning Commission decisions may be appealed to the City Council. If you wish to appeal a decision, please contact the Planning Department for information on the procedures and fees involved.
- 9. **MEETING CONTINUANCE.** Prior to the close of the first public hearing, any person may request an opportunity to present additional information at another time. If there is such a request, the Planning Commission will either continue the public hearing to a date certain or leave the record open for at least seven days for additional written evidence, argument, or testimony. The Planning Commission may ask the applicant to consider granting an extension of the 120-day time period for making a decision if a delay in making a decision could impact the ability of the City to take final action on the application, including resolution of all local appeals.

Meeting Accessibility Services and Americans with Disabilities Act (ADA) Notice

The city is committed to providing equal access to public meetings. To request listening and mobility assistance services contact the Office of the City Recorder at least 48 hours before the meeting by email at ocr@milwaukieoregon.gov or phone at 503-786-7502. To request Spanish language translation services email espanol@milwaukieoregon.gov at least 48 hours before the meeting. Staff will do their best to respond in a timely manner and to accommodate requests. Most Council meetings are broadcast live on the city's YouTube channel and Comcast Channel 30 in city limits.

Servicios de Accesibilidad para Reuniones y Aviso de la Ley de Estadounidenses con Discapacidades (ADA)

La ciudad se compromete a proporcionar igualdad de acceso para reuniones públicas. Para solicitar servicios de asistencia auditiva y de movilidad, favor de comunicarse a la Oficina del Registro de la Ciudad con un mínimo de 48 horas antes de la reunión por correo electrónico a ocr@milwaukieoregon.gov o llame al 503-786-7502. Para solicitar servicios de traducción al español, envíe un correo electrónico a espanol@milwaukieoregon.gov al menos 48 horas antes de la reunión. El personal hará todo lo posible para responder de manera oportuna y atender las solicitudes. La mayoría de las reuniones del Consejo de la Ciudad se transmiten en vivo en el canal de YouTube de la ciudad y el Canal 30 de Comcast dentro de los límites de la ciudad.

Milwaukie Planning Commission:

Joseph Edge, Chair Leesa Gratreak, Vice Chair Juli Garvey Nicolas Hess Ryan Lowther Max Penneck Jacob Sherman

Planning Department Staff:

Laura Weigel, Planning Manager Brett Kelver, Senior Planner Vera Kolias, Senior Planner Ryan Dyar, Associate Planner Petra Johnson, Administrative Specialist II



PLANNING COMMISSION MINUTES

City Hall Council Chambers 10501 SE Main Street April 22, 2025

www.milwaukieoregon.gov

Present: Joseph Edge, Chair

Nicolas Hess Ryan Lowther Max Penneck Jacob Sherman Staff: Justin Gericke, City Attorney

Brett Kelver, Senior Planner Laura Weigel, Planning Manager

Absent: Leesa Gratreak, Vice Chair

Juli Garvey

(00:03:53)

1.0 Call to Order — Procedural Matters*

Chair Edge called the meeting to order at 6:30 p.m., read the conduct of meeting format into the record, and Native Lands Acknowledgment.

Note: The information presented constitutes summarized minutes only. The meeting video is available by clicking the Video link at http://www.milwaukieoregon.gov/meetings.

(00:05:12)

2.0 Planning Commission Minutes

The February 25 & March 11, 2025, minutes were approved as presented.

(00:06:03)

3.0 Information Items

Planning Manager, Laura Weigel called attention to the upcoming events happening in the city.

(00:07:05)

4.0 Audience Participation

No information was presented for this portion of the meeting.

(00:08:18)

5.0 Hearing Item

(00:08:20)

5.1 ZA-2025-001 Amendments to Natural Resources Code

Senior Planner, Brett Kelver, announced the applicable sections of the Milwaukie Municipal Code (MMC): MMC Sections 19.902 and 19.1008. Kelver presented the staff report via a power point presentation. Kelver explained that the city has been working on updating this code for several months, with a particular emphasis on water quality resources (WQRs) and habitat conservation areas (HCAs). These regulations have been in place since 2002 and 2011, respectively, and the project aims to integrate residential tree code standards with natural resource areas, address state mandates for housing development, and improve mapping methodologies.

Kelver noted that the tree code applies only in residential zones, while the natural resources code applies city-wide. Efforts are being made to streamline processes for properties that fall under both codes. The state mandates the removal or lowering of barriers to housing development, and a clear and objective path for water quality resource disturbance is being developed. Proposed changes include establishing criteria that would allow limited WQR disturbance within certain parameters, such as not removing native trees over a certain size and maintaining a minimum distance from the top of the bank.

Improvements to the mapping methodology for HCA areas were also proposed, aiming to provide more accurate and fair assessments of natural resource areas. Additionally, **Kelver** distributed copies of a proposed exemption that was not included in the meeting packet, one for installing benches, picnic tables, and similar outdoor furniture within WQRs on public property.

Public testimony: Milwaukie resident, **Dr. Edward Hacmac**, expressed concerns about the impact of regulations on his property and suggested increasing the allowed disturbance for public furniture installation. **Kelver** addressed the written public testimony, comments, and questions from Milwaukie resident, **Teresa Bresaw**. **Commissioner Sherman** had clarifying questions for staff regarding the public testimony. **Chair Edge** closed the public testimony.

The commission discussed how the new code updates may impact development and the importance of protecting natural resources. **Chair Edge** suggested that the proposed new WQR exemption related to outdoor furniture focus more on new impervious surface than the amount of disturbance area. **Commissioner Sherman** motioned to recommend approval of ZA-2025-001 to City Council as proposed with the conceptual amendments. The motion was seconded by **Commissioner Hess**. The motion passed 5-0 by roll call vote.

(01:45:26)

6.0 Community Involvement Advisory Committee (CIAC)

Chair Edge discussed adjusting the public testimony script to include a section that provides Neighborhood District Association (NDA) representatives with the opportunity to speak following an applicant's presentation and before public testimony.

(01:47:31)

7.0 Planning Department/Planning Commission Other Business/Updates
Commissioner Sherman and Weigel discussed upcoming updates regarding the
Transportation System Plan. **Sherman** let the commission know about Milwaukie's first bike bus in the Ardenwald neighborhood.

(01:50:15)

8.0 Forecast for Future Meetings

May 13, 2025, Hearing Items: CU-2025-002 – 8525 SE 32nd Ave.

DR-2025-001- 10900 SE 21st Ave.

May 27, 2025, No items at this time

Meeting adjourned at approximately 8:30 p.m.

Respectfully submitted,

Petra Johnson, Administrative Specialist II



PLANNING COMMISSION MINUTES

City Hall Council Chambers 10501 SE Main Street May 13, 2025

www.milwaukieoregon.gov

Present: Joseph Edge, Chair

Leesa Grafreak, Vice Chair

Juli Garvey Nicolas Hess Ryan Lowther Max Penneck Staff: Justin Gericke, City Attorney

Brett Kelver, Senior Planner Vera Kolias, Senior Planner

Laura Weigel, Planning Manager

Absent: Jacob Sherman

(00:14:41)

1.0 Call to Order — Procedural Matters*

Chair Edge called the meeting to order at 6:30 p.m., read the conduct of meeting format into the record, and Native Lands Acknowledgment.

Note: The information presented constitutes summarized minutes only. The meeting video is available by clicking the Video link at http://www.milwaukieoregon.gov/meetings.

(00:15:55)

2.0 Planning Commission Minutes

The April 8, 2025, minutes were approved as presented.

(00:16:34)

3.0 Information Items

Planning Manager Laura Weigel encouraged the public to check out the community calendar for upcoming seasonal events.

(00:17:07)

4.0 Audience Participation

No information was presented for this portion of the meeting.

(00:17:34)

5.0 Hearing Items

CITY OF MILWAUKIE PLANNING COMMISSION Minutes of May 13, 2025 Page 2

(00:17:37)

5.1 CU-2025-002 8525 SE 32nd (Vacation Rental)

Senior Planner, Brett Kelver, announced the applicable sections of the Milwaukie Municipal Code (MMC): MMC 19.301, MMC 19.905, MMC 19.1006. **Kelver** presented the staff report via a power point presentation.

The property, previously a primary residence and short-term rental for eight years, will transition to a vacation rental as the owners move. **Kelver** explained the distinction between short-term and vacation rentals, highlighting that the former requires at least nine months of occupancy as a primary residence, while the latter does not and is considered a form of commercial lodging. Vacation rentals necessitate conditional use approval due to their potential impacts on neighborhood compatibility, noise, and parking.

During public testimony, **Milwaukie resident Austin Brown** expressed concerns about late-night noise and the impact on housing affordability. The applicant responded by offering to implement quiet hours, install signage, and maintain open communication with neighbors. Commissioners discussed the mitigations in place, including off-street parking and screening, and emphasized the importance of ongoing dialogue.

Commissioner Leesa Gratreak motioned to approve the application as presented, **Commissioner Juli Garvey** seconded the motion. Application CU-2025-002 was approved by roll call vote, 6-0.

(00:58:43)

5.2 DR-2025-001 (Multi-unit residential development)

Senior Planner, Vera Kolias, announced the applicable sections of the Milwaukie Municipal Code (MMC): Title 12, MMC 19.304, 19.508, 19.600, 19.700, 19.907, 19.1006. **Kolias** presented the staff report via a power point presentation. Both are included in the meeting packet.

The commission reviewed a Type III Downtown Design Review application for a proposed development at 10900 Southeast 21st Avenue, formerly the site of a Chase Bank. The application outlined plans for a four-story, 45-unit residential building with onsite improvements to provide 17 parking spaces, nine of which would be designated for electric vehicles. Additional amenities included a common room and a secure bike storage area.

The project required discretionary review due to its deviation from a specific downtown design standard, which mandates a six-foot step back on upper floors above the base maximum height. The applicant proposed alternative design elements, such as a three-foot cornice, balconies, and two-foot step backs, to mitigate the perceived mass of the building.

Staff recommended approval of the application, concluding that the proposed design elements met the intent of the guidelines. The commission noted public comment

CITY OF MILWAUKIE PLANNING COMMISSION Minutes of May 13, 2025 Page 3

expressing concerns about affordability and parking. Applicant testimony: **Gene Bolante**, architect, spoke in support of the application.

The commission discussed the long-term implications of the variance and its impact on downtown's visual and spatial openness. While some members raised concerns about potential cumulative effects of similar variances, the majority recognized the necessity of increasing downtown housing supply and supported the design's alignment with existing standards and guidelines. **Commissioner Leesa Gratreak** motioned to approve the application as presented, **Commissioner Nicholas Hess** seconded the motion. Application DR-2025-001 was approved by roll call vote, 4-2.

(01:37:33)

6.0 Community Involvement Advisory Committee (CIAC)

No information was presented for this portion of the meeting.

(01:38:00)

7.0 Planning Department/Planning Commission Other Business/Updates No information was presented for this portion of the meeting.

(01:38:13)

8.0 Forecast for Future Meetings

May 27, 2025, Canceled

June 10, 2025, Work Session Items:

Transportation System Plan Project Review

Affordable Housing Incentives Code Amendments

Meeting adjourned at approximately 8:00 p.m.

Respectfully submitted,

Petra Johnson, Administrative Specialist II



To: Planning Commission

Through: Laura Weigel, Planning Manager

From: Vera Kolias, Senior Planner

Date: June 3, 2025, for June 10, 2025, Work Session

Subject: Affordable Housing Incentives: code amendments

ACTION REQUESTED

Staff requests feedback from the Planning Commission in advance of a future public hearing.

BACKGROUND INFORMATION

The city's <u>Housing Production Strategy (HPS)</u> identifies a variety of action steps to increase housing development in Milwaukie, including evaluating incentives for affordable housing development.

For detailed background on the proposed amendments, please review the three City Council work sessions held earlier this year:

<u>January 7, 2025</u>: Council held a work session to discuss a draft package of code amendments for affordable housing incentives.

March 18, 2025: Council held a second work session to discuss a revised draft package of code amendments for affordable housing incentives.

<u>May 6, 2025</u>: Council held a third work session to discuss final revisions to the package of draft code amendment for affordable housing incentives in advance of moving forward to the public hearing process.

Approach

Staff is proposing a new code section that would aggregate all code-based affordable housing incentives, to centralize information for prospective applicants. The proposed code language includes eligibility requirements for qualifying developments and specific incentives, including variances to setbacks, lot coverage, and certain minimum design standards (see Attachment 1 for the draft language). The goal is to remove barriers to residential development that includes income-restricted units.

The code language proposes a variety of incentives for qualifying developments that are middle housing, multi-unit, or mixed-use residential, organized as a package of variance requests to

existing land use regulation and design and development standards for housing development. The proposal would limit variance applications to no more than 10 distinct variances to these standards. The proposed review process for these variances is an expedited Type II review already included in Milwaukie Municipal Code (MMC) 19.1006, that would reduce the timeframe for a decision from 120 days to 100 days.

Key code provisions:

- Qualifying developments must be designed and constructed so that at least:
 - o Fifty percent (50%) of the total number of proposed dwelling units are restricted to households earning 60% 80% Area Median Income (AMI) or below; or
 - o Forty percent (40%) of the total number of proposed dwelling units are restricted to households earning 40% 60% AMI or below; or
 - Thirty percent (30%) of the total number of proposed dwelling units are restricted to households earning 30% - 40% AMI or below; or
 - Twenty percent (20%) of the total number of proposed dwelling units are restricted to households earning less than 30% AMI; and
 - o Comply with all applicable provisions of the affordable housing incentives code.
- A development can use one of the following additional incentives:
 - For housing developments where 100% of the total number of proposed dwelling units are restricted to low-income households as defined by HUD (80% AMI or below), the incentives are increased by an additional 10 percentage points over the stated amount. This would include a building height bonus of one story or 12 feet for qualifying developments. OR
 - o For housing developments where 100% of the total number of proposed dwelling units are homeownership units and are eligible for the incentives as defined in Subsection 19.511.B, the incentives identified in this subsection are increased by an additional 10% (10 percentage points) over the stated amount. This increase does not apply to building height. Homeownership developments must use a community land trust model, shared equity, or similar model, that can ensure continued affordability and compliance monitoring.
- Summary of code incentives (see Attachment 1):
 - o Ability to package up to 10 distinct variances into one application
 - Application processed in an expedited Type II review process (100 days)
 - Specific reductions available to:
 - Minimum setbacks, open space/landscaping, lot area, width, and depth
 - Minimum required bike parking
 - Maximum lot coverage increased
 - o Additional allowances related to development in the DMU zone:
 - Multi-unit development in the DMU zone reviewed under 19.505.3, rather than downtown code

- Allowance for dwelling units on ground floor
- Townhouse developments the allowed number of consecutive townhouses increased to six from four
- Continued Affordability
 - The land use permit application for the residential project must include the procedures proposed by the developer to maintain the continued affordability of the income-restricted units.
 - Ownership developments: Developments must maintain the availability
 of income-restricted units for a minimum of sixty (60) years, and must
 enter into a development agreement, or show adequate legal proof of
 restriction/affordability covenant, with the city to ensure retention; or
 - Rental developments: Developments must maintain the availability of income-restricted units for a minimum of ninety-nine (99) years, and must enter into a development agreement, or show adequate legal proof of restriction/affordability covenant, with the city to ensure retention.
- Affordable housing projects will be given priority over other types of projects during permit and land use review and during the inspection process.

ATTACHMENTS

Attachments are provided as indicated by the checked boxes. All material is available for viewing upon request.

		PC	Public	Packet
		Packet	Copies	1 acker
1.	Proposed code	\boxtimes		\boxtimes

Key:

PC Packet = paper materials provided to Planning Commission 7 days prior to the meeting. Public Copies = paper copies of the packet available for review at City facilities and at the Planning Commission meeting. E-Packet = packet materials available online at https://www.milwaukieoregon.gov/planning/planning-commission-136.

CHAPTER 19.500 SUPPLEMENTARY DEVELOPMENT REGULATIONS

19.511 AFFORDABLE HOUSING INCENTIVES

A. Purpose.

The purpose of this section is to offer incentives to developers for providing housing that is affordable to the types of households and qualifying residents identified in subsection B (Eligibility for Incentives), below. Affordable housing incentive requests of this chapter can be made concurrently as part of a land use permit application, as applicable.

B. Eligibility for Incentives.

To be eligible for an adjustment and other incentives provided by this section, a proposed residential project must meet the following requirements:

- 1. Development must be middle housing, mixed-use residential, or multi-unit residential:
- 2. Middle housing, multi-unit, and mixed-use residential development must be designed and constructed so that at least:
 - a. Fifty percent (50%) of the total number of proposed dwelling units are restricted to households earning 60% 80% Area Median Income (AMI) or below; or
 - b. Forty percent (40%) of the total number of proposed dwelling units are restricted to households earning 40% 60% AMI or below; or
 - c. Thirty percent (30%) of the total number of proposed dwelling units are restricted to households earning 30% 40% AMI or below; or
 - d. Twenty percent (20%) of the total number of proposed dwelling units are restricted to households earning less than 30% AMI; and
 - e. Comply with all applicable provisions of this title.
- 3. Where the calculation of the number of affordable units does not result in a whole number, the result will be rounded up to the nearest whole number.
- 4. The income restricted units must be reasonably dispersed throughout the development, must contain on average the same number of bedrooms as the market rate units in the development, and must be compatible with the design of the market rate units in terms of size, appearance, materials, and finish quality.
- C. Types of Variances and Incentives Allowed.

A residential project that satisfies all applicable provisions of this section is entitled to apply for the following incentives. A variance application may ask for no more than a total of 10 distinct variances between the development and design standards identified below. For the purposes of this section, multiple instances of the same variance type will be considered one distinct variance.

AFFORDABLE HOUSING INCENTIVES: CODE AMENDMENTS

- 1. The following variances to development standards will be reviewed via an expedited Type II review process pursuant to Section 19.1005:
 - a) Minimum side yard setbacks: 40% reduction.
 - b) Minimum front, rear, street side yard setbacks: 25% reduction; 50% reduction for middle housing except cottage clusters.
 - c) Common area, minimum landscaping, or open space: reduction of up to 25%.
 - d) Minimum lot area: up to 25% reduction.
 - e) Minimum lot width or depth: up to 10% reduction.
 - f) Maximum lot coverage: up to 10 percentage points increase over the base maximum.
 - g) Bike parking: a reduction to the minimum number of long-term and short-term spaces (0.5 spaces/dwelling required for each) and location of spaces.
 - h) Maximum building height: for multi-unit and mixed-use residential developments, allowance of up to an additional 20 ft. This bonus is not in addition to allowable height bonuses in the General Mixed Use (GMU) zone. In the Downtown Mixed Use (DMU) zone, this bonus is in addition to allowable height bonuses for developments where 50% of the total number of proposed dwelling units are restricted to households earning no more than 60% AMI.
 - i) Maximum density: none.
 - j) In the DMU: ground-floor residential units are allowed on all streets.
 - k) In the DMU: nonresidential active uses that support the residential use, such as lobbies, community rooms, exercise rooms, offices, day care, etc., are allowed on the ground floor.
 - I) Townhouse developments: the allowed number of consecutive townhouses that share a common wall is increased to six (6).
- 2. The following variances to design standards will be reviewed via an expedited Type II review process (Section 19.1005):
 - a) Façade articulation: full adjustment to the standard.
 - b) Inclusion of a minimum of three (3) detailed design features in Subsection 19.505.1.C.4. rather than 5.
 - c) Total window area: reduction of up to 30%; minimum 12% required.
- 3. A development can use one of the following additional incentives:
 - a. For housing developments where 100% of the total number of proposed dwelling units are for low-income households as defined by the federal department of Housing and Urban Development (HUD) as 80% AMI or below, the incentives identified in this subsection are increased by an additional 10 percentage points over the stated amount. This increase does not apply to building height. OR
 - b. For housing developments where 100% of the total number of proposed dwelling units are homeownership units and are eligible for the incentives as defined in Subsection 19.511.B, the incentives identified in this subsection are increased by an additional 10 percentage points over the stated amounts. This increase does not apply to building height. Homeownership developments must use a

AFFORDABLE HOUSING INCENTIVES: CODE AMENDMENTS

DRAFT DATE 05/19/2025

community land trust model, shared equity, or similar model, that can ensure continued affordability and compliance monitoring.

4. Other Incentives.

- a. Qualifying multi-unit residential-only developments (not mixed-use developments) proposed in the DMU zone will be reviewed for compliance with Subsection 19.505.3 (Multi-Unit Housing).
- b. This section does not prohibit developers of qualifying affordable residential projects from requesting other regulatory incentives or concessions from the City.

D. Continued Affordability.

The land use permit application for the residential project must include the procedures proposed by the developer to maintain the continued affordability of the income-restricted units. Developments receiving a direct financial contribution or other financial incentives from the City or utilizing any of the incentives provided in this subsection, must maintain the availability of income-restricted homeownership units for a minimum of 60 years and of income-restricted rental units for a minimum of 99 years. Developers must enter into a development agreement or provide legal proof of restriction/affordability covenant with the City of Milwaukie to ensure retention. This should also include the monitoring and verification process that will be utilized throughout the duration of the affordability term to ensure the appropriate income levels are being certified for prospective renters or buyers.

E. Processing of Incentive Requests.

Proposed incentive requests must be included as part of the land use application or permitting materials required for the residential project by this title, including the application of all relevant criteria.

- 1. Approval Criteria. The approval of the incentives by the review body or City designee must also comply with the following approval criteria:
 - a. The approval criteria for Type II variances identified in Subsection 19.911.4.A; and
 - b. There are sufficient provisions to guarantee that the dwelling units will remain affordable in the future as required.
 - c. Evidence has been provided to show compliance with Subsection 19.511.B.4.

F. Priority Processing of Affordable Housing Projects.

A residential project that satisfies all applicable provisions of this section will be given priority over other types of projects and permits by all City departments in the processing of land use permit and building permit applications, and in inspections of the project during the construction process.

CHAPTER 19.900 LAND USE APPLICATIONS

19.911 VARIANCES

19.911.3 Review Process.

B. Type II Variances

Type II variances allow for limited variations to numerical standards. The following types of variance requests shall will be evaluated through a Type II review per Section 19.1005:

- 11. For any middle housing development, except townhouses and cottage clusters, that includes at least one dwelling unit that is affordable that meets the exemption standards as defined in Section 3.60.050, the minimum setbacks in Table 19.301.4 may be reduced to the following:
- a. Front yard: 10 ft
- b. Rear yard: 10 ft
- c. Side yard: 5 ft
- d. Street side yard: 10 ft



To: Planning Commission

From: Laura Weigel, Planning Manager

Ryan Dyar, Associate Planner Jen Garbely, City Engineer

Camilo Alvarez Tuta, Associate Engineer

Date: May 30, 2025, for June 10, 2025, Work Session

Subject: Transportation System Plan Project Update

ACTION REQUESTED

The Planning Commission is asked to review and provide feedback on:

• Draft Future Conditions and Solutions Memo (Attachment 1)

The attached memo is the same memo, with updated maps, that was presented and discussed with the Transportation System (TSP) Advisory Committee on May 15 and Technical Committee on May 21, 2025.

BACKGROUND INFORMATION

<u>February 7, 2023:</u> Council approved the appointment of the TSP Advisory Committee, including a Planning Commission representative, Joseph Edge.

June 20, 2023: Council authorized an intergovernmental agreement (IGA) with the Oregon Department of Transportation (ODOT) to update the city's Transportation System Plan (TSP) through an in-kind grant award from the transportation and growth management program.

<u>February 27, 2024</u>: Staff provided the Commission with a TSP update including an overview of the timeline, Plan and Policy Framework, Community Profile, Engagement Plan, and the Financial Forecast.

May 14, 2024: Staff provided the Commission with a draft version of the TSP goals and policies. The Commission provided substantial feedback on the draft document.

<u>June 25, 2024</u>: Staff provided the Commission with the Vision, Goals and Policies Memorandum for a second round of feedback and the Commission also reviewed the Draft Analysis Methodology and Performance Measures Memorandum, and the Draft Livable Streets Analysis and Recommendations Memorandum.

February 25, 2025: Staff provided the Commission with the following memos for review:

- Draft Transportation System Conditions Memo
- Draft Multimodal Functional Classification Memo
- Draft Project Evaluation Matrix

ANALYSIS

Oregon's Transportation Planning Rule (TPR), which implements <u>Oregon's Statewide Planning Goal 12: Transportation</u> and is codified in Oregon Administrative Rule (OAR) Chapter 660, Division 12, establishes requirements for jurisdictions updating or creating a Transportation System Plan (TSP). The <u>Climate Friendly Equitable Communities (CFEC)</u> rulemaking process amended the TPR in 2022, establishing a new model for TSP development aimed at reducing transportation-related greenhouse gas (GHG) emissions and promote more equitable planning processes and outcomes for underserved populations.

The update to the city's TSP kicked off in the summer of 2023. To review the work prior to this update please refer to the background information in the previous section and/or visit the city's TSP webpage or to find more detailed information visit the TSP Engage Milwaukie page.

NEXT STEPS

Staff will provide the Commission's suggestions to City Council when they review the memo on June 17. A community workshop is scheduled for June 18 at Ledding Library from 6:00-7:30 to review the draft project maps and provide prioritization feedback. The same information will be provided on Engage Milwaukie for feedback.

ATTACHMENTS

1. Draft Future Conditions and Solutions Memo

DRAFT FUTURE CONDITIONS AND SOLUTIONS MEMO

Date: May 30, 2025

To: Milwaukie Planning Commission and City Council

From: Kittelson & Associates, Inc./City Staff

Project: Milwaukie Transportation System Plan

Subject: Future Conditions and Solutions

*** Note to PC and CC (05/30/25). This memorandum is DRAFT. This dated version contains the <u>updated</u> list of Pedestrian, Bicycle, Roadway/Intersection, Transit, and Freight projects as reviewed by the project Technical Committee and Advisory Committee. ***

Executive Summary

This memorandum (memo) summarizes transportation gaps and deficiencies identified in the Transportation System Conditions, Needs, and Gaps Memo, and with a focus on the TSP Vision and Goals develops an initial project list to address these gaps and deficiencies.

Vision Statement: Milwaukie will have a complete network of sidewalks, bike lanes, and paths along with well-maintained streets and a robust transit system that connects our community. Travel within and through Milwaukie is safe, efficient, equitably planned, and meets the needs of the entire community.

Project List

In the last planning effort, the project team identified transportation needs and gaps based on several factors including a Pedestrian Level of Traffic Stress (PLTS) analysis, a Bicycle Level of Traffic Stress (BLTS) analysis, a vehicular/safety analysis of select intersections, a review of projects previously identified in other local and regional transportation planning documents, and review of committee/public feedback. From these efforts, this section presents the draft modal projects that are being considered for inclusion in the Milwaukie Transportation System Plan (TSP).

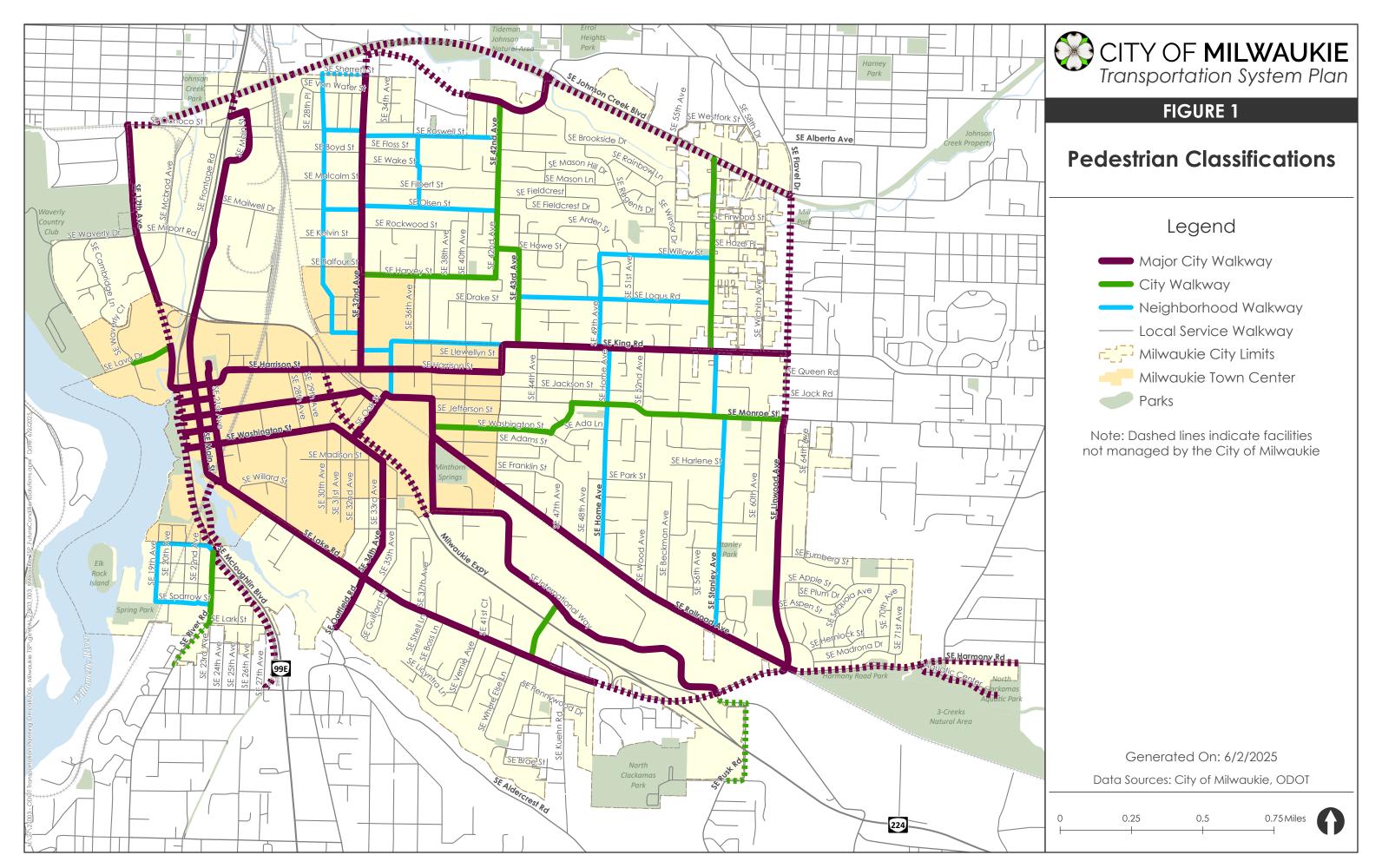
Details on the process for identifying projects are documented in the modal and evaluation sections of this memorandum. More details on modal network classifications are included in the Functional Classification Memo.

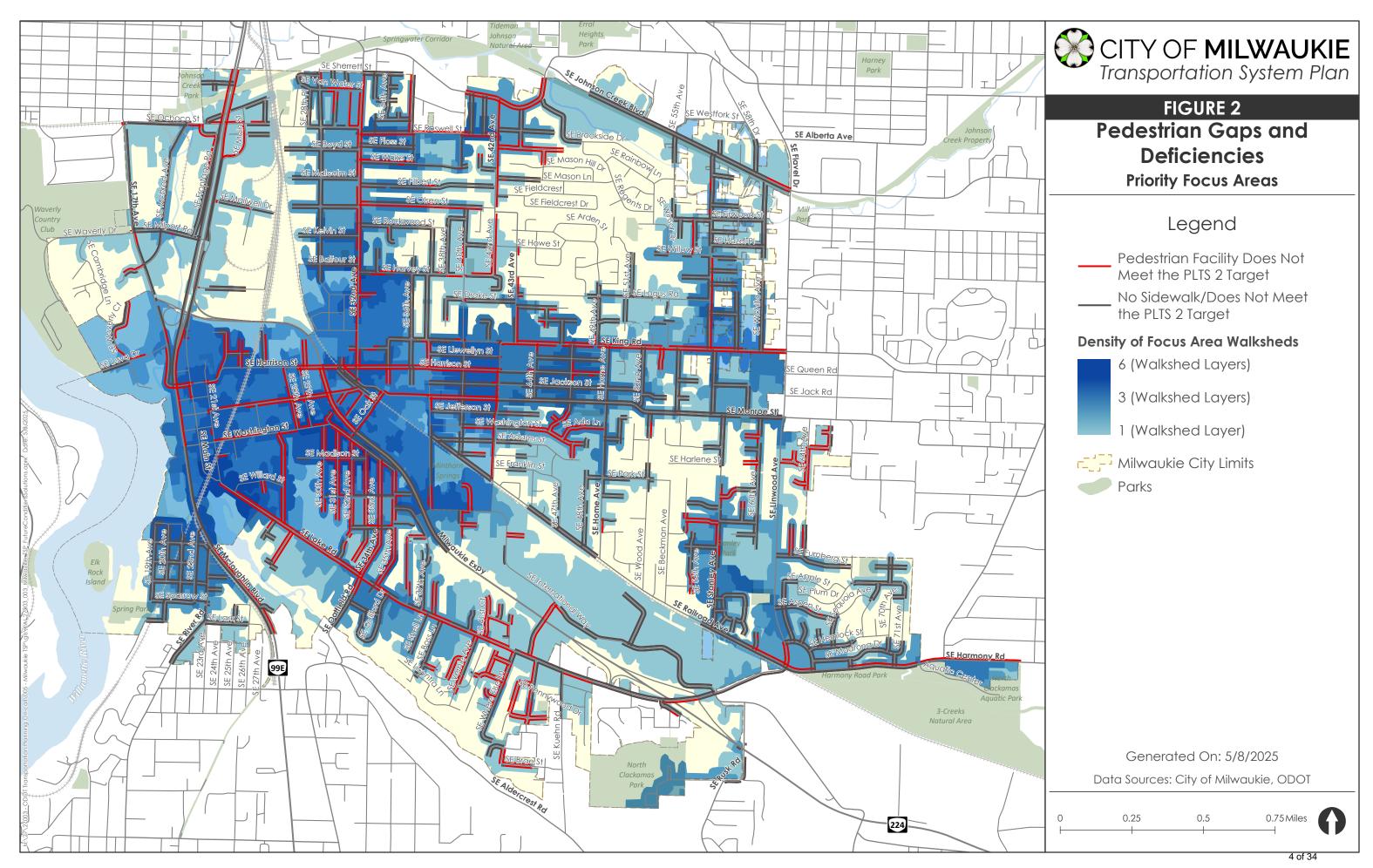
Pedestrian Facilities

Pedestrian facilities refer to infrastructure designed for people walking or using mobility devices and typically include sidewalks, on-street pathways, multi-use trails, and street crossings. A well-connected pedestrian network provides safe and efficient links between pedestrian trip generators like schools, parks, commercial areas, neighborhood hubs, residential neighborhoods, and other pedestrian attractors. To help ensure these connections are made and prioritized at the planning level, Figure 1 illustrates the proposed pedestrian street classifications. As shown, all roadways in Milwaukie will be classified as either a Major City Walkway, City Walkway, Neighborhood Walkway, or Local Service Walkway. While the classifications do not prescribe a specific facility type or treatment (e.g., bicycle lane, multi-use pathway, curb-extensions, etc.), they do indicate the role of a facility within the larger modal network and the infrastructure expectations for meeting that role.

Pedestrian travel in Milwaukie is challenged by an incomplete sidewalk network, local street connectivity limitations, and barriers created by two major highways (224 and 99E) and light and freight rail corridors. Only 15 percent of the existing roadway network in Milwaukie achieves a Pedestrian Level of Traffic Stress (PLTS) score or 1 or 2, due to the lack of sidewalk facilities or obstructions that limit the effective sidewalk width to levels that can impede walking and rolling. Figure 2 illustrates the pedestrian needs and gaps overlayed on priority focus areas.

To begin to address these needs, Table 1 and Figure 3 list and illustrate the proposed pedestrian projects. These projects fill some of the identified gaps along Major City Walkways, City Walkways, and Neighborhood Walkways and enhance/make new connections to/from/within Milwaukie's priority focus areas. The project lists also include SAFE projects and connectors on Local Service Walkways that overlap with priority focus areas.





Project ID	Street	Start Extents	End Extents	Current Condition	Detailed Project Description (for cost estimating purposes)	Project Type	Ped Classification	Roadway Classification
P-1	SE Moores St	HWY 99E	SE Main Street	Narrow sidewalk, PLTS 3/4	Reconstruct and widen to 6ft curb-tight sidwalk (south side)	Sidewalk reconstruction; obstruction removal	Major City Walkway	Local Street
P-2	SE 32nd Ave	SE Sherrett St	SE Harrison St	and Utilites poles limiting effective width of sidewalk; PLTS 3/4	Reconstruct 6 ft curb-tight sidewalks (both sides) and remove utility obstructions	Sidewalk reconstruction; obstruction removal	Major City Walkway	Collector
P-3	SE Johnson Creek Blvd	SE 40th Ave	SE 45th Ave	Mailboxes and utility poles limiting effective sidewalk width, PLTS 3/4	Reconstruct 6 ft curb-tight sidewalks (both sides) and remove utility obstructions $ \label{eq:constructions} % \begin{subarray}{cccccccccccccccccccccccccccccccccccc$	Sidewalk reconstruction; obstruction removal	Major City Walkway	Collector
P-4	SE King Rd	SE 34th Ave	SE 40th Ave	Missing sidewalks, PLTS 4	Construct new 5ft minimum curb-tight sidewalk (north side)	New sidewalk	Neighborhood Walkway	Local Street
P-5	SE Harmony Rd	SE Linwood Ave	Aquatic Center Access Rd	SAFE Project. Missing sidewalk on the south side, PLTS 4 narrow sidewalk on the north side, PLTS 3	; Construct 8-10ft ped/bike pathway on south sides of road	New ped/bike pathway	Major City Walkway	Arterial
P-6	SE Lake Rd	SE 34th Ave	SE Harmony Rd	International Way; frequent sidewalk obstructions on existing sidewalk, PLTS 3/4	Construct 8-10ft ped/bike pathway on south sides of road	New sidewalk; New ped/bike pathway	Major City Walkway	Arterial
P-7	SE Johnson Creek Blvd	West city limits	SE Linwood Ave	Missing sidewalk, PLTS 4	Coordinate with City of Portland to ensure construction of 6 ft curb-tight sidewalks (north side) $ \\$	New sidewalk	Major City Walkway	Arterial
P-8	SE Oatfield Rd	SE Lake Rd	City Limits	SAFE Project. Missing sidewalk, PLTS 4	Construct new buffered 8ft sidewalks (both sides)	New sidewalks; landscape buffer	Major City Walkway	Arterial
P-9	SE 34th Ave	SE Washington St	SE Lake Rd	Narrow sidewalks, PLTS 3	Construct 8-10ft ped/bike pathway on west side of road. Reconstruct 6ft curb-tight sidewalk on the east side.	New ped/bike pathway; reconstructed sidewalk	Major City Walkway	Collector
P-10	SE 37th Ave	SE Washington St	SE International Way	Sidewalk gaps on east side of roadway, PLTS 4	Construct new 6ft curb-tight sidewalk on the east side of road.	New sidewalk	Major City Walkway	Collector
P-11	SE Washington St	SE Oak St	SE 34th Ave	Narrow or missing sidewalk, PLTS 3/4	Construct 8-10ft ped/bike pathway on south side of road.	New ped/bike pathway	Major City Walkway	Collector
P-12	SE Lake Rd	SE 23rd Ave	SE 34th Ave	Narrow/obstructed sidewalk environment, PLTS 3/4	Remove sidewalk obstructions (north side)	Sidewalk obstruction removal	Major City Walkway	Arterial
P-13	SE Harrison St	HWY 99E	SE Main Street	Narrow/obstructed sidewalk segments, PLTS 3	Remove utility obstructions	Sidewalk obstruction removal	Major City Walkway	Arterial
P-14	SE Monroe St	SE 21st St	OR 224	Narrow sidewalks, PLTS 3	Reconstruct 6ft curb-tight sidewalks (both sides)	Sidewalk reconstruction	Major City Walkway	Collector
P-15	SE Monroe St	OR 224	SE Campbell St	Narrow sidewalks, PLTS 3	Reconstruct 6ft curb-tight sidewalks (both sides)	Sidewalk reconstruction	Major City Walkway	Collector
P-16	SE Harrison St	SE 29th St	SE 32nd Ave	Narrow sidewalks, PLTS 4	Reconstruct buffered 6ft sidewalks (both sides)	Sidewalk reconstruction; landscape buffer	Major City Walkway	Arterial
P-17	SE Harrison St	SE 32nd Ave	SE 42nd Ave	SAFE project. Narrow sidewalks, PLTS 3/4	Reconstruct buffered 6ft sidewalks (both sides)	Sidewalk reconstruction; landscape buffer	Major City Walkway	Arterial
P-18	SE Campbell St	SE Monroe St	SE Oak St	Narrow/missing sidewalks, PLTS 3/4	Reconstruct 6ft curb-tight sidewalks (both sides)	Sidewalk reconstruction	Major City Walkway	Collector
P-19	SE River Rd	SE Lark St	South City Limit	Missing sidewalk, PLTS 4	Construct new 8ft curb-tight sidewalk on both sides of road.	New Sidewalk	City Walkway	Arterial
P-20	SE Harvey St	SE 32nd St	SE 42nd St	Narrow/missing/obstructed sidewalks, PLTS 3/4	Construct 5ft minimum curb-tight sidewalks (north side)	New Sidewalks	City Walkway	Neighborhood Route
P-21	SE 42nd Ave	SE Harvey St	SE Johnshon Creek Blvd	Frequent sidewalk obstructions	Remove sidewalk obstructions (both sides) and opportunities allow	Utility pole/mailbox relocation	City Walkway	Collector
P-22	SE Stanley Ave	SE Johnson Creek Blvd	SE King Rd	Missing sidewalks, PLTS 4	Construct 8-10ft ped/bike pathway on one side of road	New ped/bike pathway	City Walkway	Collector
P-23	SE 43rd Ave	SE King Rd	SE Howe St	Frequent sidewalk obstructions (east side)	Remove sidewalk obstructions (east side)	Mailbox relocation	City Walkway	Collector
P-24	SE Washington St	SE 37th Ave	SE Garrett Dr	Narrow/missing sidewalks, PLTS 3/4	Construct 5ft minimum curb-tight sidewalks (both sides)	New Sidewalks	City Walkway	Collector
P-25	SE Monroe St	SE 37th Ave	SE Garrett Dr	Narrow/Missing Sidewalks, PLTS 3/4	Construct 6ft minimum curb-tight sidewalks (both sides)	New Sidewalks	Neighborhood Walkway	Collector
P-26	SE Monroe St	SE Garrett Dr	SE Linwood Ave	Missing sidewalks, PLTS 4	Construct buffered 7ft minimum sidewalks (north side)	New Sidewalks	City Walkway	Collector
P-27	SE Railroad Ave	SE 37th Ave	SE Harmony	Missing sidewalks, PLTS 4	Construct 8-10ft ped/bike pathway on north side of road	New ped/bike pathway	Major City Walkway	Collector

Project ID	Street	Start Extents	End Extents	Current Condition	Detailed Project Description (for cost estimating purposes)	Project Type	Ped Classification	Roadway Classification
P-28	SE International Way	SE Freeman Way	SE Lake Rd	SAFE project. Missing sidewalks, PLTS 4	Construct 5ft minimum curb-tight sidewalks (both sides)	New Sidewalks	Major City Walkway	Collector
P-29	SE Rusk Rd	SE Lake Rd	HWY 224	30 mph missing sidewalks, PLTS 4	Coordinate with Clackamas County to ensure construction of 6 ft curb-tight sidewalks (west side)	New sidewalks	City Walkway	Collector
P-30	SE Rusk Rd	HWY 224	South City Limit	30 mph, missing sidewalk buffer on the west side, PLTS	Coordinate with Clackamas County to ensure construction of 6 ft 3 curb-tight sidewalks (west/north side)	New sidewalks	City Walkway	Collector
P-31	SE 29th Ave	SE Sherrett St	SE Balfour St	Missing sidewalks, PLTS 4	Maintain shared roadway environment with signing and striping enhancements	Signing/striping	Neighborhood Walkway	Local Street
P-32	SE Llewellyn St	SE 32nd Ave	SE 34th Ave	Sidewalk gaps, PLTS 4	Construct 8-10ft ped/bike pathway on north side of road	New ped/bike pathway	Neighborhood Walkway	Local Street
P-33	SE 34th Ave	SE King Rd	SE Harrison St	Missing sidewalks, PLTS 4	Construct 8-10ft ped/bike pathway on west side of road. Reconstruct 6ft curb-tight sidewalk on the east side.	New ped/bike pathway	Neighborhood Walkway	Local Street
P-34	SE 34th Ave	SE Harrison St	SE 34th Dead End	Sidewalks under 5 ft in width, PLTS 4	Construct 8-10ft ped/bike pathway on west side of road. Reconstruct 6ft curb-tight sidewalk on the east side.	New ped/bike pathway	Neighborhood Walkway	Local Street
P-35	SE Roswell St	SE 29th Ave	SE 32nd St	Missing sidewalks, PLTS 4	Maintain shared roadway environment with signing and striping enhancements	Signing/striping	Neighborhood Walkway	Local Street
P-36	SE Roswell St	SE 32nd Ave	SE 42nd Ave	Frequent sidewalk obstructions (32nd to 36th and 39th to 42nd), PLTS 4	Maintain shared roadway environment with signing and striping enhancements	Signing/striping	Neighborhood Walkway	Neighborhood Route
P-37	SE Olsen St	SE 29th Ave	SE 32nd Ave	Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (north side)	New sidewalks	Neighborhood Walkway	Neighborhood Route
P-38	SE Olsen St	SE 32nd Ave	SE 42nd Ave	SAFE project. Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (north side)	New sidewalks	Neighborhood Walkway	Local Street
P-39	SE Willow St	SE Winsor Dr	SE 49th Ave	Sidewalk gaps	Construct 5ft curb-tight sidewalk (south side) to connect Glover Street Alley	New sidewalks	Neighborhood Walkway	Neighborhood Route
P-40	SE 49th Ave	SE Willow Ave	SE King Rd	SAFE project. Missing sidewalks, PLTS 4	Construct 5ft curb-tight sidewalk (west side)	New sidewalks	Neighborhood Walkway	Neighborhood Route
P-41	SE Logus Rd	SE 43rd Ave	SE 49th Ave	Missing sidewalks, PLTS 4	Construct 5ft curb-tight sidewalk (south side)	New sidewalks	Neighborhood Walkway	Neighborhood Route
P-42	SE Stanley Ave	SE King Rd	SE Monroe St	Sidewalk missing on both sides	Construct 5ft minimum curb-tight sidewalks (both sides)	New sidewalks	Neighborhood Walkway	Collector
P-43	SE Stanley Ave	SE Monroe St	SE Railroad Ave	Sidewalk missing on both sides	Fill gaps and construct 5ft minimum curb-tight sidewalks (both sides)	New sidewalks	Neighborhood Walkway	Collector
P-44	SE 51st Ave	SE Logus Rd	SE Winworth Ct	SAFE project. Sidewalks missing on both sides	Construct 5ft curb-tight sidewalk (east side)	New sidewalks	Local Service Walkway	Local Street
P-45	SE Willow St	SE Windsor Dr	SE 51st Ave	Unimproved ped/bike pathway	Construct a 10ft multi-use path	New multi-use pathway	Neighborhood Walkway	(off street)
P-46	SE Willow Ave alley	SE Winworth Ct	SE Howe St	Unimproved ped/bike pathway	Construct a 10ft multi-use path	New multi-use pathway	Neighborhood Walkway	(off street)
P-47	SE 37th Ave	SE Wister St Path	SE Edison St	Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (south/west side)	New sidewalks	Not designated	Neighborhood Route
P-48	SE Brookside Drive	SE Johnson Creek Blvd	SE Regents Dr	SAFE project. Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (south side)	New sidewalks	Not designated	Neighborhood Route
P-49	SE Regents Dr	SE Brookside Dr	SE Winsor Dr	SAFE project. Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (south side)	New sidewalks	Not designated	Neighborhood Route
P-50	SE Mason Ln	SE 42nd Ave	SE Regents Dr	SAFE project. Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (south side)	New sidewalks	Not designated	Neighborhood Route
P-51	SE 44th Ave	SE Monroe St	SE Harrison St	Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (both sides)	New sidewalks	Not designated	Local Street
P-52	SE Harrison St	SE 44th Ave	SE Home St	Missing/obstructed sidewalks, PLTS 3/4	Construct 5ft curb-tight sidewalk (both sides)	New sidewalks	Not designated	Local Street
P-53	SE 27th Ave	SE Lake Rd	SE Washington St	Narrow/obstructed sidewalks on east side, PLTS 3/4	Reconstruct 5 ft curb-tight sidewalks (east side) and remove utility obstructions	Sidewalk reconstruction; obstruction removal	Local Service Walkway	Neighborhood Route
P-54	SE Edison St	SE 35th Ave	OR 224	Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (north side)	New sidewalks	Not designated	Local Street

Project ID	Street	Start Extents	End Extents	Current Condition	Detailed Project Description (for cost estimating purposes)	Project Type	Ped Classification	Roadway Classification
P-55	SE Bluebird St	SE 19th Ave	SE 22nd Ave	Missing sidewalk, PLTS 4	Maintain shared roadway environment with signing and striping enhancements	Signing/striping	Neighborhood Walkway	Local Street
P-56	SE 19th Ave	SE Eagle St	SE Sparrow St	Missing sidewalk, PLTS 4	Maintain shared roadway environment with signing and striping enhancements	Signing/striping	Neighborhood Walkway	Local Street
P-57	SE Sparrow St	SE 19th Ave	SE River Rd	Missing sidewalk, PLTS 4	Construct 5ft curb-tight sidewalk (south side)	New sidewalks	Neighborhood Walkway	Local Street
P-58	SE Ochoco St	SE 17th Ave	Springwater Trail	SAFE project. Incomplete trail corridor	Coordinate with City of Portland to ensure construction of a 10ft multi-use path	New multi-use pathway	Major City Walkaway	Collector
P-59	SE Ochoco St	Springwater Trail	SE McBrod Ave	SAFE project. Missing sidewalk, PLTS 4	Coordinate with City of Portland to ensure construction of 5ft curb-tight sidewalk (north side)	New sidewalk	Not designated	Collector
P-60	SE Mallard Way	End of road	SE International Way	Missing sidewalk, PLTS 4	Construct 5ft minimum curb-tight sidewalks (both sides)	New Sidewalks	Not designated	Local Street
P-61	SE 42nd Ave/SE Roswell St	intersection		Increase pedestrian safety	Install RRFB across SE 42nd Ave	Enhanced crossing treatment	City Walkway	Collector
P-62	SE 32nd Ave/SE Meek St	intersection		Increase pedestrian safety	Install RRFB across SE 32nd Ave	Enhanced crossing treatment	City Walkway	Collector
P-63	SE King Rd/SE Home St	Intersection		Increase pedestrian safety	Install RRFB across SE King Rd	Enhanced crossing treatment	Major City Walkway	Arterial
P-64	SE King Rd/SE Stanley Ave	Intersection		Increase pedestrian safety	Install RRFB across SE King Rd Construct at grade bike/ped crossing of Railroad Ave and adjacent	Enhanced crossing treatment Enhanced crossing treatment		Arterial
P-65	SE Railroad Ave/SE Home Ave	Intersection		Increase pedestrian connectivity	rail line to SE Mallard Way	and rail crossing	Major City Walkway	Collector
P-66	OR 224/SE Freeman Way	Intersection		Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	City Walkway	Regional Route
P-67	SE Stanley Ave/SE Logus Rd	Intersection		Increase pedestrian safety	Install RRFB across SE Stanley Ave	Enhanced crossing treatment	City Walkway	Collector
P-68	OR 224/SE 37th Ave	Intersection		Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway	Regional Route
P-69	OR 224/SE Oak St	Intersection		Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway	Regional Route
P-70	OR 224/SE Monroe St	Intersection		Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway	Regional Route
P-71	OR 224/SE Harrison St	Intersection		Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway	Regional Route
P-72	SE Olsen St	Western extents of SE Olse St	n SE Mailwell Dr	Increase pedestrian connectivity	Construct bike/ped crossing of rail line to SE Mailwell Dr	Rail crossing	Not designated	Local Street
P-73	SE Stanley Ave/SE Monroe St	Intersection		Increase pedestrian safety	Install RRFB across SE Monroe St	Enhanced crossing treatment	City Walkway	Collector
P-74	SE King Rd	SE 44th Ave	SE Linwood Ave	Narrow sidewalks, PLTS 3	Construct 8-10ft ped/bike pathway on north and south side of road	New ped/bike pathway	Major City Walkway	Arterial
P-75	SE 32nd Ave	SE Meek St	SE Llewellyn St	Already PLTS 2	Construct a new 8-10ft ped/bike pathway on east side of road	New ped/bike pathway	Major City Walkway	Collector
P-76	OR 224/SE Rusk Rd	Intersection		Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway	Collector
P-77	SE Olsen St/SE 42nd Ave	Intersection		Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	City Walkway	Collector
P-78	SE Millport Rd	99E	SE 17th Ave	Missing sidewalks, PLTS 4	Construct 5ft minimum curb-tight sidewalks (both sides)	New Sidewalks	Not designated	Local Street
P-79	99E/SE Ochoco St	Intersection		Increase pedestrian safety	To Be Determined	Enhanced crossing treatment	Not designated	Regional Route
P-80	99E/SE Milport RD	Intersection		Increase pedestrian safety	To Be Determined	Enhanced crossing treatment	Not designated	Regional Route
P-90	SE Garrett St	SE Washington St	SE Monroe St	Narrow sidewalks, PLTS 3	Reonstruct 5ft minimum curb-tight sidewalks (both sides)	New Sidewalks	City Walkway	Local Street

Table 1 - Pedestrian Projects

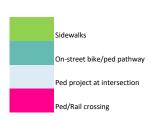
						Detailed Project Description (for cost estimating			Roadway
Р	roject ID	Street	Start Extents	End Extents	Current Condition	purposes)	Project Type	Ped Classification	Classification
P-	-106	SE Harlow St/SE 56th Ave	SE 56th Ave	SE Stanley Ave	Missing sidewalks, PLTS 4	Reonstruct 5ft minimum curb-tight sidewalks (south side)	New Sidewalks	Local Service Walkway	Local Street
P-	-107	SE Hazel Pl	SE Stanley Ave	SE Wichita Ave	Missing sidewalks, PLTS 4	Reonstruct 5ft minimum curb-tight sidewalks (south side)	New Sidewalks	Local Service Walkway	Local Street
P-	-108	SE Wichita Ave	SE King Rd	SE Johnson Creek Blvd	Missing sidewalks, PLTS 4	Reonstruct 5ft minimum curb-tight sidewalks (west side)	New Sidewalks	Local Service Walkway	Local Street
						Maintain shared roadway environment with signing and striping			
P-	-109	SE Boss Ln	SE Lake Rd	SE Licyntra Ln	Missing sidewalks, PLTS 4	enhancements	Signing/striping	Local Service Walkway	Local Street

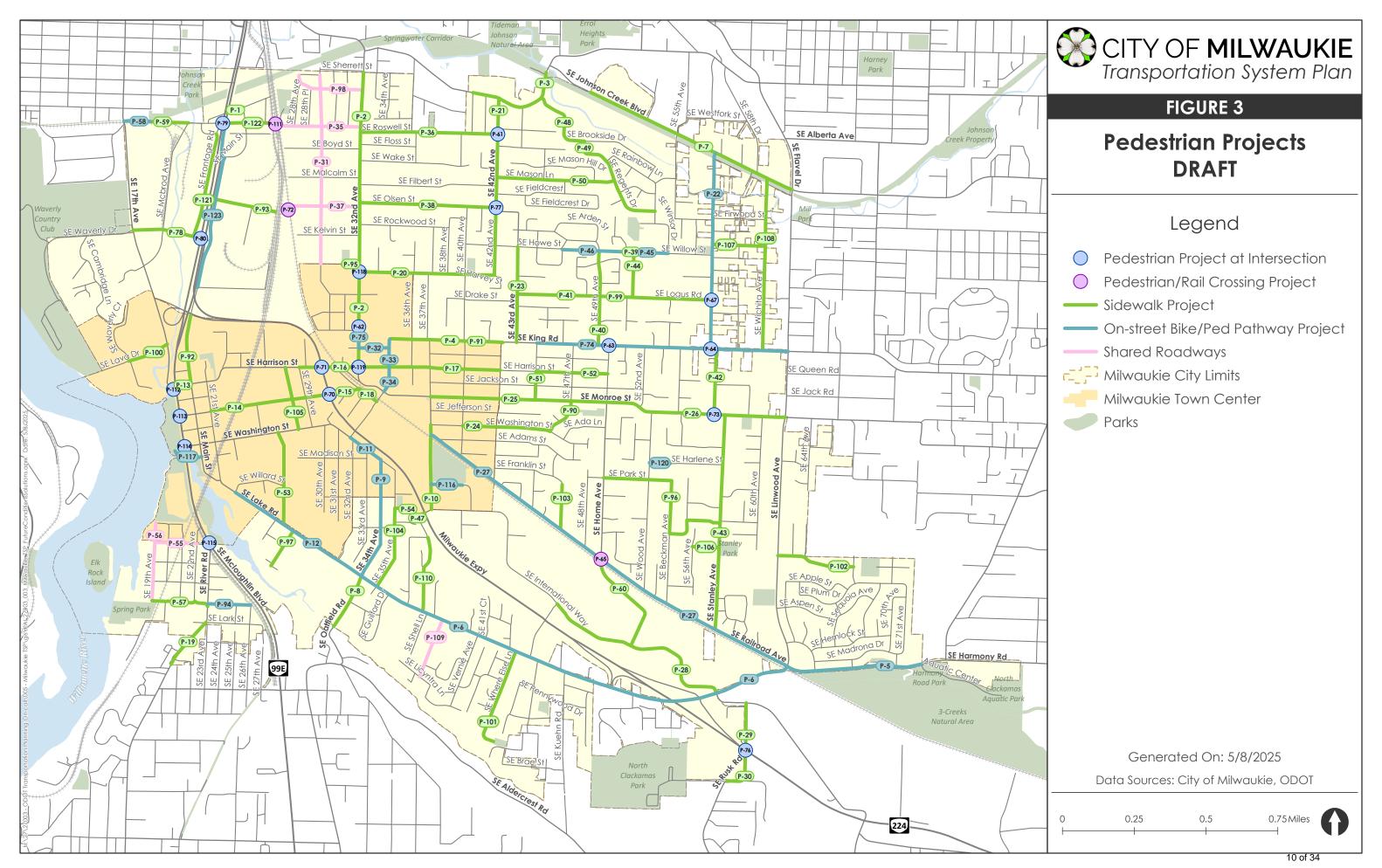
SAFE Projec	ts Up To 2024 (not completed)						
P-91	SE King Road	SE 40th Ave	SE 43rd Ave	SAFE Project - Details TBD	TBD	Neighborhood Walkway	Neighborhood Route
P-92	SE Main St	SE Harrison St	Expressway (OR 224)	SAFE Project - Details TBD	TBD	Major City Walkway	Collector
P-93	SE Mailwell Drive	SE Main St	UPRR	SAFE Project - Details TBD	TBD	Local Service Walkway	Local Street
P-94	SE Sparrow Street	SE River Road	Trolley Trail / 26th Avenue				
P-95	SE Balfour Street	SE 32nd Ave	Balfour Park				
P-96	Park Street/ Lloyd Street	Home Avenue	Stanley Avenue	SAFE Project - Details TBD, SRTS	TBD	Local Service Walkway	Local Street
P-97	SE 26th Ave	SE Lake Rd	Lake Village Apartments	SAFE Project - Details TBD	TBD	Local Service Walkway	Local Street
P-98	SE 28th Ave - Van Water Street	Springwater Corridor	32nd Avenue	SAFE Project - Details TBD, SRTS	Signing/striping	Local Service Walkway	Local Street
P-99	SE Logus Rd	SE Stanley Ave	43th Avenue	SAFE Project - Details TBD, SRTS	TBD	Neighborhood Walkway	Neighborhood Route
P-100	SE Lava Drive / Waverly Court	SE 17th Ave	Highland Apartments Entrance	SAFE Project - Details TBD	TBD	City Walkway	Local Street
P-101	Where Else Lane	SE Lake Rd	Bowman and Brae Park	SAFE Project - Details TBD	TBD	Local Service Walkway	Neighborhood Route
P-102	Aspen - Furnberg Street	SE Lindwood Ave	Furnberg Park	SAFE Project - Details TBD	TBD	Local Service Walkway	Local Street
P-103	SE 47th Ave	SE Franklin St	Railroad Avenue	SAFE Project - Details TBD	TBD	Local Service Walkway	Local Street
P-104	SE 35th Ave	SE Lake Rd	Edison Street	SAFE Project - Details TBD	TBD	Local Service Walkway	Local Street
P-105	SE 28th Ave	SE Washington St	Harrison Street	SAFE Project - Details TBD, SRTS	TBD	Local Service Walkway	Local Street

P-110) S	SE 37th Ave	SE Lake Rd	SE Grogan Ave	Missing sidewalks, PLTS 4	Construct 5ft minimum curb-tight sidewalks (south side)	New Sidewalks	Local Service Walkway	Local Street
P-111	S	SE Roswell St	Western extents of SE Roswell St	SE Ochoco Dr	Increase pedestrian connectivity	Construct bike/ped crossing of rail line to SE Ochoco St	Rail crossing	Not designated	Local Street

Table 1 - Pedestrian Projects

					Detailed Project Description (for cost estimating			Roadway
Project ID	Street	Start Extents	End Extents	Current Condition	purposes)	Project Type	Ped Classification	Classification
P-112	99E/SE Harrison St	Intersection			Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway
P-113	99E/SE Monroe St	Intersection			Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway
P-114	99E/SE Washington St	Intersection			Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway
P-115	99E/ SE River Rd	Intersection			Increase pedestrian safety	Improve pedestrian crossing	Enhanced crossing treatment	Major City Walkway
P-116	SE Minthorn Loop Rd	SE 37th Ave	Minthorn Loop Road	Unimproved ped/bike pathway				Off Street
P-117	Kellog Creek	SE Main St	Trolley Trail	Trail opportunity after dam removal				Off Street
P-118	32nd Ave/Harvey St	Intersection			Improve safety of crossing at intersection			
P-119	32nd Ave/Harrison	Intersection			Signal retiming and improve safety of crossing at intersection			
P-120	SE Harlene St	west extents	SE Wood Ave			-	-	-
P-121	SE Frontage Rd	SE Ochoco St	SE Millport Rd	no sidewalks	Construct 5ft minimum curb-tight sidewalks (west side)	New Sidewalks	Local Service Walkway	Local Street
P-122	SE Ochoco St	east extents	Highway 99E	Narrow/missing sidewalks, PLTS 4	Reonstruct 5ft minimum curb-tight sidewalks (north side)	New Sidewalks	Local Service Walkway	Local Street
P-123	SE Main St	SE Hanna Harvester Dr	SE Ochoco St	BLTS 4; 35mph; no formally striped bike facility.	Construct 8-10ft ped/bike pathway on east side of road	New ped/bike pathway	City Walkway	Collector

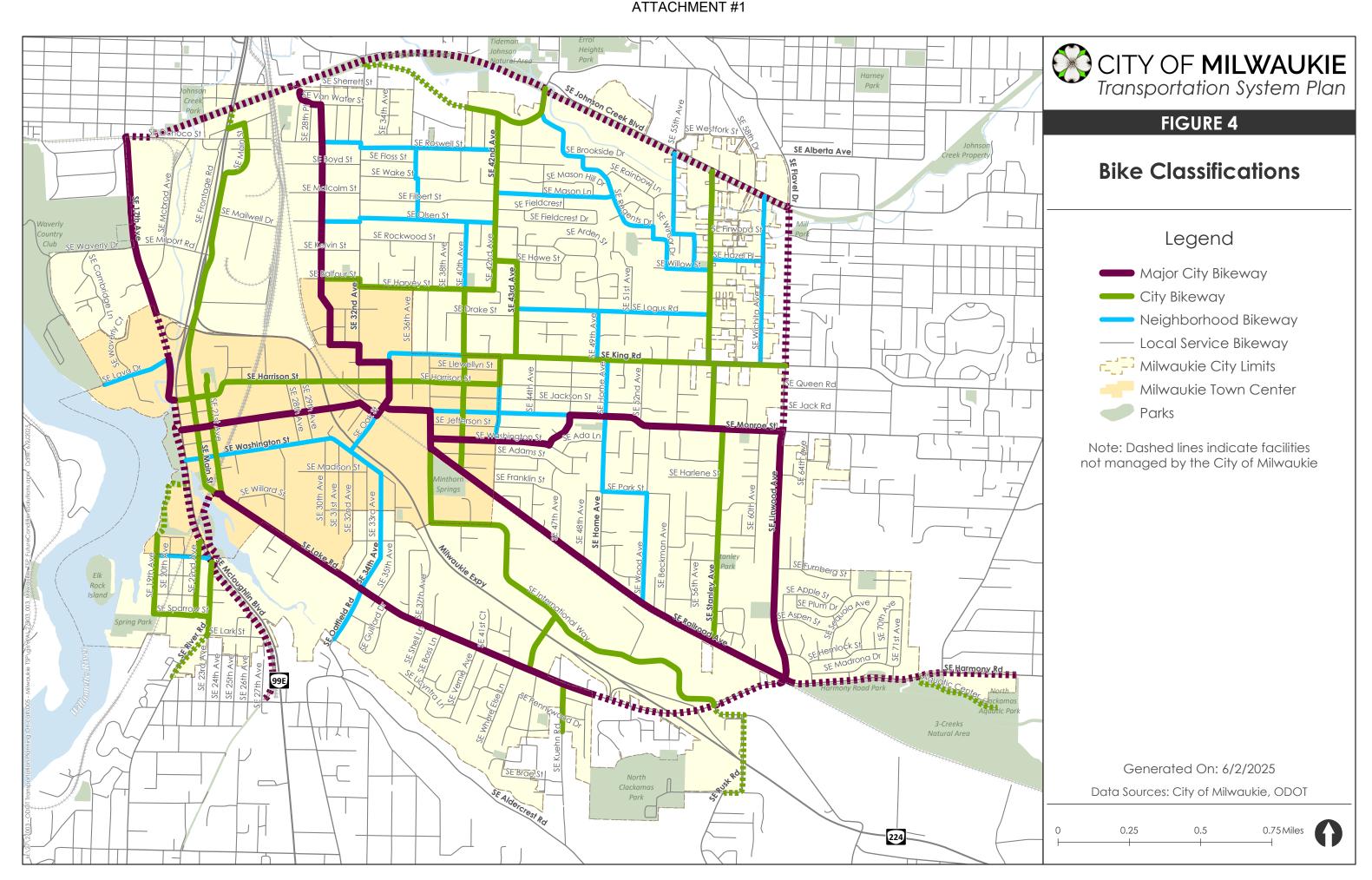




Bicycle Facilities

Bicycle facilities serve a variety of trips, including trips to major attractions such as schools, parks, retail centers, and public facilities; commuter trips; recreational trips; and access to transit. The existing bicycle system in the City of Milwaukie consists of dedicated bicycle lanes, shared use on-street pathways, multiuse trails, and paved shoulders. Figure 4 illustrates the proposed bicycle street classifications, including Major City Bikeways, City Bikeways, Neighborhood Bikeways, and Local Service Bikeways.

Under existing conditions, approximately 30% of the roadways in Milwaukie do not meet the City's BLTS 1 target. Most of these deficient roadways are concentrated along the Arterial and Collector network. Figure 5 illustrates the bicycle needs and gaps overlayed on priority focus areas. To address some of these needs, Table 2 and Figure 6 list and illustrate the proposed bicycle projects. These projects generally fill identified gaps along Major City Bikeways, City Bikeways, and Neighborhood Bikeways. The project lists also include SAFE projects and key connectors on Local Service Bikeways that overlap with priority focus areas.



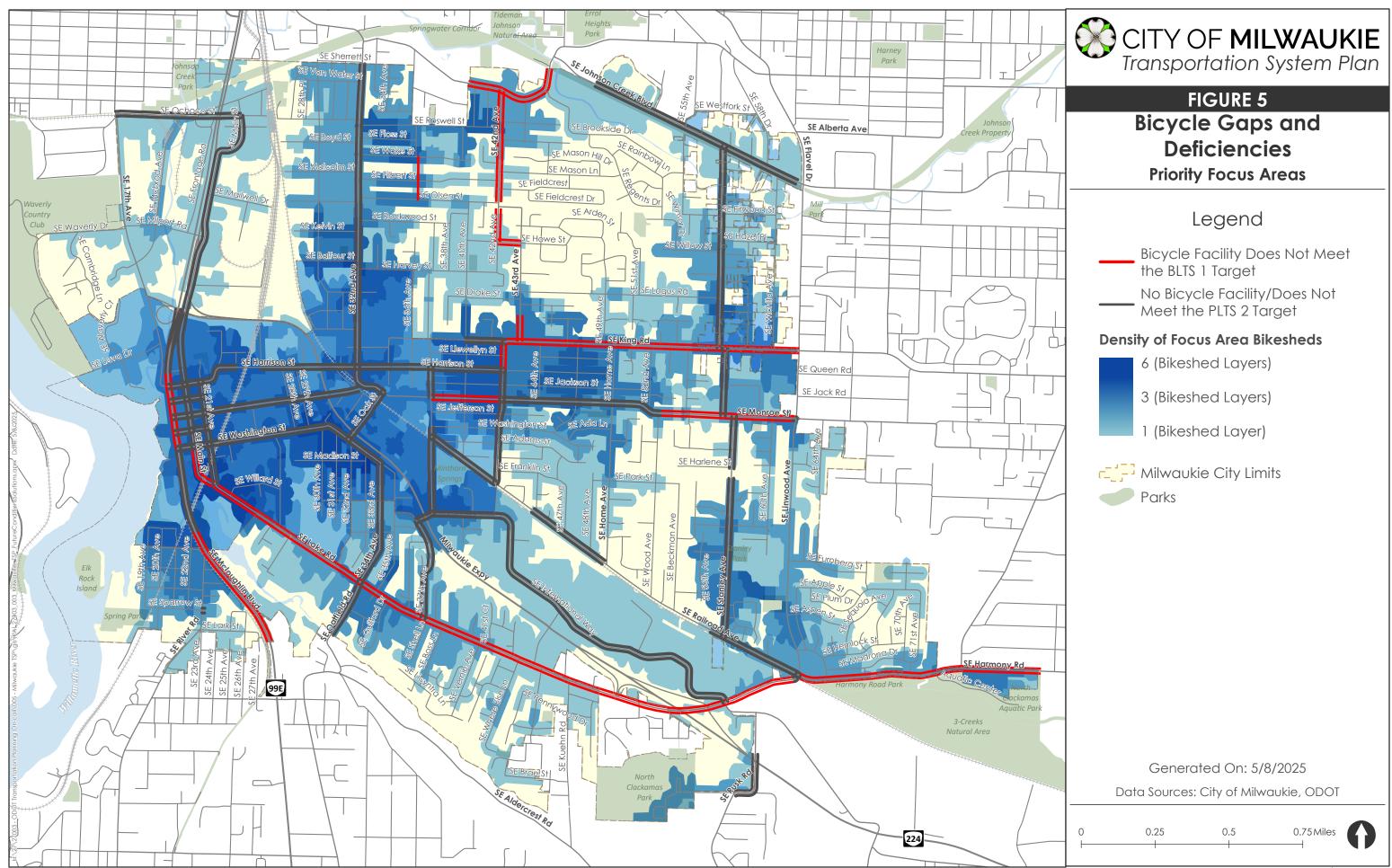


Table 2 - Bicycle Projects

					Detailed Project Description (for cost estimating		
Project ID	Street	Start Extents	End Extents	Current Condition	purposes)	Bike Classification	Roadway Classification
B-1	SE Ochoco St	SE 17th Ave	Springwater Corridor	BLTS 3; no bike facility; 25mph	Coordinate with City of Portland to ensure construction of a 10ft multi-use path	Major City Bikeway	Collector
B-2	SE Main St	SE Moores St	SE Hanna Harvester Dr	BLTS 4; 35mph; no formally striped bike facility. SAFE Project	: Construct 8-10ft ped/bike pathway on east side of road	City Bikeway	Collector
B-3	SE 32nd Ave	SE Meek St	SE Llewellyn St	BLTS 3; no bike facility; 25mph	Construct 8-10ft ped/bike pathway on east side of road	Major City Bikeway	Collector
B-4	SE Johnson Creek Blvd	SE 40th	SE 45th Ave	BLTS 2; 5ft bike lanes present; 25mph	Restripe roadway to a 5.5' bike lane (both directions)	City Bikeway	Collector
B-5	SE 42nd Ave	SE Harvey St	SE Howe St	BLTS 3; shared lane; 25mph	Install shared roadway lane markings, signage, and traffic calming improvements	City Bikeway	Collector
B-6	SE 43rd Ave	End of multi-use path South of SE Rhodesa St	SE King Rd	BLTS 3; multi-use path drops to <5' bike lane	Construct 8-10ft ped/bike pathway on west side of road	City Bikeway	Collector
B-7	SE King Rd	SE 44th Ave	SE Linwood Ave	BLTS 3; swtiches from 25mph to 35mph at 44th; 5ft bicycle lanes	Construct 8-10ft ped/bike pathway on north and south side of road	City Bikeway	Arterial
B-8	SE Stanley Ave	SE Johnson Creek Blvd	SE King Rd	BLTS 3; no bike facility; 25mph	Construct 8-10ft ped/bike pathway on one side of road	City Bikeway	Collector
B-9	SE Stanley Ave	SE King Rd	SE Monroe St	BLTS 2; unmarked centerline; no bike facility	Construct 5.5ft bike lanes (both directions)	City Bikeway	Collector
B-10	SE Stanley Ave	SE Monroe St	SE Railroad Ave	BLTS 2; unmarked centerline; no bike facility	Construct 5.5ft bike lanes (both directions)	City Bikeway	Collector
B-11	SE Monroe St	SE Garrett Dr	SE Linwood Ave	BLTS 2; shared lane; 25mph	Install shared roadway lane markings, signage, and traffic calming improvements	Major City Bikeway	Collector
B-12	SE Railroad Ave	SE 37th Ave	SE Harmony	BLTS 3; no bike facility; 35mph	Construct 8-10ft ped/bike pathway on north side of road	Major City Bikeway	Collector
B-13	SE Harmony Rd	SE Linwood Ave	Aquatic Center Access Rd	SAFE Project BLTS 3; no bike facility; 35mph	Construct 8-10ft ped/bike pathway on south sides of road	Major City Bikeway	Arterial
B-14	SE International Way	SE 37th Ave	SE Freeman Way	SAFE project. BLTS 3; 3 lanes until SE Freeman Wy; 25mph	Restripe roadway to include 7ft buffered bike lanes (both directions)	City Bikeway	Collector
B-15	SE International Way	SE Freeman Way	SE Lake Rd	SAFE project. BLTS 3; 2 lanes until Lake Rd; 25mph	Construct 7ft buffered bike lanes (both directions)	City Bikeway	Collector
B-16	SE Rusk Rd	SE Lake Rd	SE Kellog Creek Rd	BLTS 3; no bike facility; 30mph until HWY 224 / 25 mph south of HWY 224	Construct 5.5' bike lanes (both directions) Coordinate with Clackamas County on bicycle facility enhancements	City Bikeway	Collector
B-17	SE Lake Rd	SE Kuehn Ct	SE Harmony Rd	BLTS 3; on street bike facility; 40mph	Construct 8-10ft ped/bike pathway on south side of road	Major City Bikeway	Arterial
B-18	SE 34th Ave	SE King Rd	SE 34th Dead End	BLTS 1	Construct 8-10ft ped/bike pathway on east side of road	Major City Bikeway	Local Street
B-19	SE Oatfield Rd	SE Lake Rd	City limits	SAFE project. BLTS 3; no formal bike facility; 30mph	Construct 5.5ft bike lanes (both directions)	Nieghborhood Bikeway	Arterial
B-20	SE Oak St	SE Monroe St	SE Campbell St	BLTS 3; no bike facility; 25mph; 3 lanes	Construct 8-10ft ped/bike pathway on both sides of road	Major City Bikeway	Arterial
B-21	SE Railroad Ave	SE 37th Ave	SE Harmony	BLTS 3; no bike facility; 35 mph	Construct 8-10ft ped/bike pathway on north side of road	Major City Bikeway	Collector
B-22	SE Monroe St	SE 21st Ave	SE Campbell St	BLTS 3; no bike facility; unmarked centerline; 25mph	Install shared roadway lane markings, signage, and traffic calming improvements	Major City Bikeway	Collector
B-23	SE Harrison St	Hwy 99E	SE 24th Ave	BLTS 3; no bike facillity; 20mph until SE 21st Ave / 25mph	Install shared roadway lane markings, signage, and traffic calming improvements	City Bikeway	Arterial
B-24	SE Harrison St	SE 26th Ave	SE 42nd Ave	SAFE project. BLTS 3; no bike facility; 25mph; 2 lanes + parking both sides	Construct 5.5ft bike lanes (both directions)	City Bikeway	Arterial

Table 2 - Bicycle Projects

Project ID	Street	Start Extents	End Extents	Current Condition	Detailed Project Description (for cost estimating purposes)	Bike Classification	Roadway Classification
B-25	SE King Rd	SE 34th Ave	SE 40th Ave	BLTS 3; no bike facilities; 25mph; unmarked centerline	Improve roadway surface and install shared lane markings (both directions)	Neighborhood Bikeway	Local Street
B-26	SE 42nd Ave	SE Harrison St	SE Washington St	BLTS 2; 25mph; no bike facilities; 2 lanes + parking	Remove on street parking and construct 5.5ft bike lane (both directions)	Neighborhood Bikeway	Collector
B-27							
B-28	SE Ochoco St/SE 17th Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Major City Bikeway	Arterial
B-29	SE Lava Dr & SE 17th Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Major City Bikeway	Arterial
B-30	SE Railroad Ave & SE Linwood Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Major City Bikeway	Arterial
B-31	SE Lake Rd & SE International Way	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Major City Bikeway	Arterial
B-32	OR 224/SE Rusk Rd	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Major City Bikeway	Collector
B 33	OR 224/SE Freeman Way	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Local Street
B-34	OR 224/SE 37th Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Collector
B-35	OR 224/SE Oak St	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Neighborhood Bikeway	Collector
B-36	OR 224/SE Monroe St	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Major City Bikeway	Collector
B-37	OR 224/SE Harrison St	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Arterial
B-38	SE Harrison St/SE 21st Av	e Intersection		Challenging Intersection	Improve safety of crossing at intersection	Major City Bikeway	Arterial
B-39	SE King Rd/SE Stanley Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Collector
B-40	SE Harrison St/SE 42nd Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Collector
B-41	SE Johnson Creek Blvd/SE Stanley Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Collector
B-42	SE Rosewell Ave	SE 29th Ave	SE 42nd Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-43	SE Olsen St	SE 29th Ave	SE 42nd Ave	SAFE project. Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-44	SE Mason Ln	SE 42nd Ave	SE Regents Dr	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-45	SE Regents Dr	SE Brookside Dr	SE Windsor Dr	SAFE project. Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-46	SE Brookside Dr	SE Johnson Creek Blvd	SE Regents Dr	SAFE project. Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-47	SE Windsor Dr	SE Regents Dr	SE Willow St	SAFE project. Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-48	SE Willow St	SE Windsor Dr	SE Stanley Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route

Table 2 - Bicycle Projects

Project ID	Street	Start Extents	End Extents	Current Condition	Detailed Project Description (for cost estimating purposes)	Bike Classification	Roadway Classification
B-49	SE Logus Rd	SE 43rd Ave	SE Stanley Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-50	SE 49th Ave	SE King Rd	SE Logus Rd	SAFE project. Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-51	SE Hazel St	SE Stanley Ave	SE Wichita Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Local Street
B-52	SE Wichita Ave	SE King Rd	SE Johnson Creek Blvd	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Local Street
B-53	SE Hazel St	SE Stanley Ave	SE Wichita Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Local Street
B-54	SE Home Ave	SE King Rd	SE Railroad Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-55	SE Park St	SE Home Ave	SE Wood Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-56	SE Wood Ave	SE Park St	SE Railroad Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-57	SE Washington St	SE 37th Ave	SE Garrett Dr	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Local Street
B-58	SE Garrett Dr	SE Washington St	SE Monroe St	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Local Street
B-59	SE 40th Ave	SE Olsen St	SE Railroad Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	City/Neighborhood Bikewa	ay Neighborhood Route
B-60	SE 19th Ave	SE Bluebird St	SE Sparrow St	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	City/Neighborhood Bikew	ay Local Street
B-61	SE Bluebird St	SE 22nd Ave	SE 19th Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	City/Neighborhood Bikewa	ay Local Street
B-62	SE Sparrow St	SE 19th Ave	SE 22nd Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	City/Neighborhood Bikewa	ay Local Street
B-63	SE Kuehn Rd	SE Lake Rd	City limits	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	City/Neighborhood Bikewa	ay Local Street
B-64	SE 34th Ave	SE Lake Rd	SE Washington St	BLTS 3; no bike facility; 25mph	Construct 8-10ft ped/bike pathway on west side of road	Neighborhood Bikeway	Collector
B-65	SE Washington St	SE Oak St	SE 34th Ave	BLTS 3; no bike facility; 25mph	Construct 8-10ft ped/bike pathway on west side of road	Neighborhood Bikeway	Collector
B-66	SE Freeman Way	SE International Way	SE Lake Rd	Meeting BLTS 1	Remove on-street parking and stipe 5.5ft bike lanes (both directions)	City Bikeway	Local Street
B 67	SE 29th Ave	SE Van Water St	SE Meek St	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	- Major City Bikeway	Local Street
B-68	SE Harvey St	SE 32nd Ave	SE 42nd Ave	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	City Bikeway	Neighborhood Route
B-69	SE 55th Ave	SE Firwood St	SE Johnson Creek Blvd	Meeting BLTS 1	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Neighborhood Route
B-70	SE Oak St	SE Campbell St	SE Washington St	BLTS 3; no bike facility; 25mph; 3 lanes	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Collector
B-71	SE Lake Road	SE Kuehn Rd	SE 21st Ave	BLTS 2	Construct 8-10ft ped/bike pathway on south side of road	Major City Bikeway	Arterial
B-72	SE Johnson Creek Blvd/SE 45 Pl	Intersection		Challenging Intersection	Improve safety of crossing at intersection. Coordinate with City of Portland.	Major City Bikeway	Arterial

Table 2 - Bicycle Projects

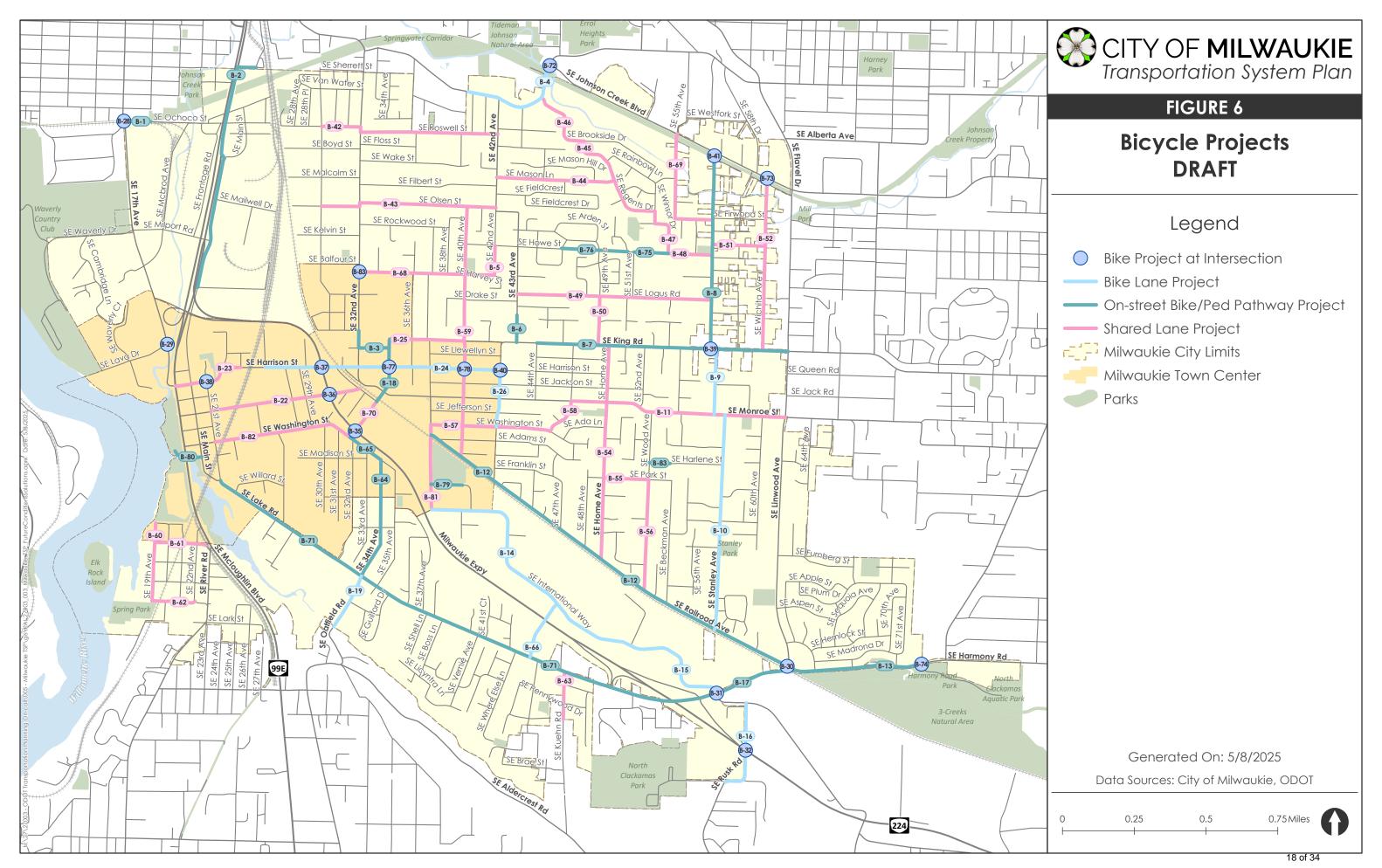
Project ID	Street	Start Extents	End Extents	Current Condition	Detailed Project Description (for cost estimating purposes)	Bike Classification	Roadway Classification
B-73	SE Johnson Creek Blvd/SE Wichita Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	Neighborhood Bikeway	Collector
B-74	SE Harmony Rd/Aquatic Center	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Arterial
B-75	SE Willow St	SE Windsor Dr	SE 51st Ave	Unimproved ped/bike pathway	Construct a 10ft multi-use path	_City Bikeway	Off Street
B-76	SE Willow Ave alley	SE Winworth Ct	SE Howe St	Unimproved ped/bike pathway	Construct a 10ft multi-use path	City Bikeway	Off Street
B-77	SE Harriston St/SE 34th Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Local Street
B-78	SE Harriston St/SE 40th Ave	Intersection		Challenging Intersection	Improve safety of crossing at intersection	City Bikeway	Neighborhood Route
B-79	SE Minthorn Loop Rd	SE 37th Ave	Minthorn Loop Road	Unimproved ped/bike pathway	Construct a 10ft multi-use path	Off Street	Off Street
B-80	Kellog Creek	SE Main St	Trolley Trail	Trail opportunity after dam removal	Construct a 10ft multi-use path	Off Street	Off Street
B-81	SE 37th Ave	SE International Way	SE Washington St	BLTS 3; no bike facility; 25mph; 3 lanes	Install shared roadway lane markings, signage, and traffic calming improvements	City Bikeway	Collector
B-82	SE Washington St	Hwy 99E	SE Oak St	BLTS 3; no bike facility; 25mph	Install shared roadway lane markings, signage, and traffic calming improvements	Neighborhood Bikeway	Collector
B-83	SE Harlene St	west extents	SE Wood St	No connection	Construct a 10ft multi-use path	-	-

Shared lanes

Bike lanes

On-street bike/ped pathway

Bike project at intersection

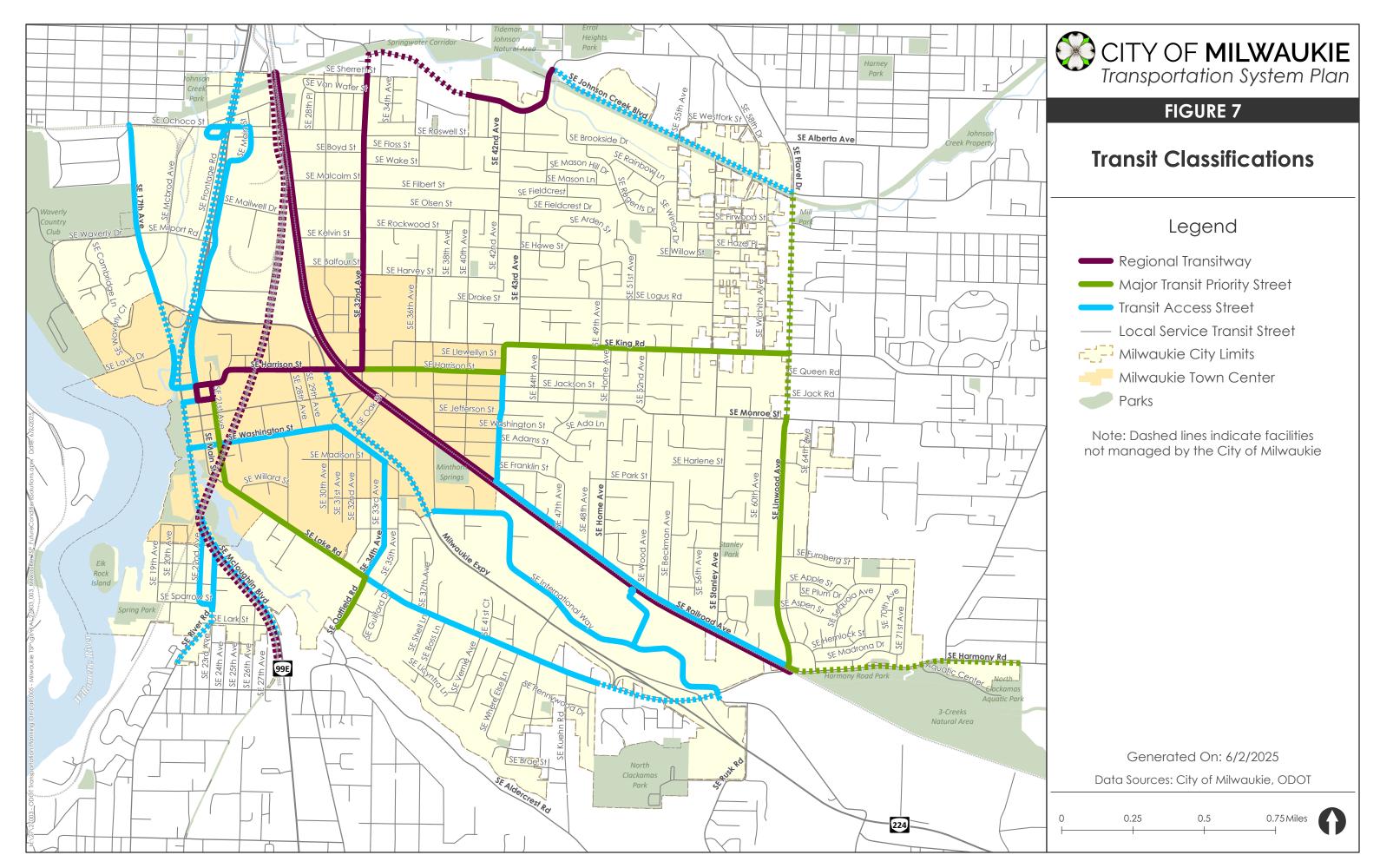


Transit System

Public transit enhances climate-friendly and equitable outcomes by supporting accessibility for people who cannot drive and reducing reliance on single-occupancy vehicles. Public transit in Milwaukie includes the MAX Orange Line, TriMet Frequent Service Routes, TriMet Standard Service Routes, and paratransit service. The majority of Milwaukie is located within a half-mile walkshed from an existing transit stop. Figure 7 illustrates the proposed transit street classifications, including Regional Transitway, Major Transit Priority Street, Transit Access Street, and Local Service Transit Street.

Gaps and projects were identified based on a review of projects previously identified in other local and regional transportation planning documents, and review of previous committee/public feedback. Figure 8 illustrates the transit needs and gaps overlayed on priority focus areas. Note that these gaps focus on direct transit improvements. Quarter-mile walksheds and bikesheds to transit stops were included in development of priority focus areas to identify gaps in comfortable walking and biking access to transit facilities.

Table 3 and Figure 9 illustrate the proposed transit projects. Projects include adjusting existing routes, adding Bus Rapid Transit (BRT), and bus shelter/stop safety improvements.



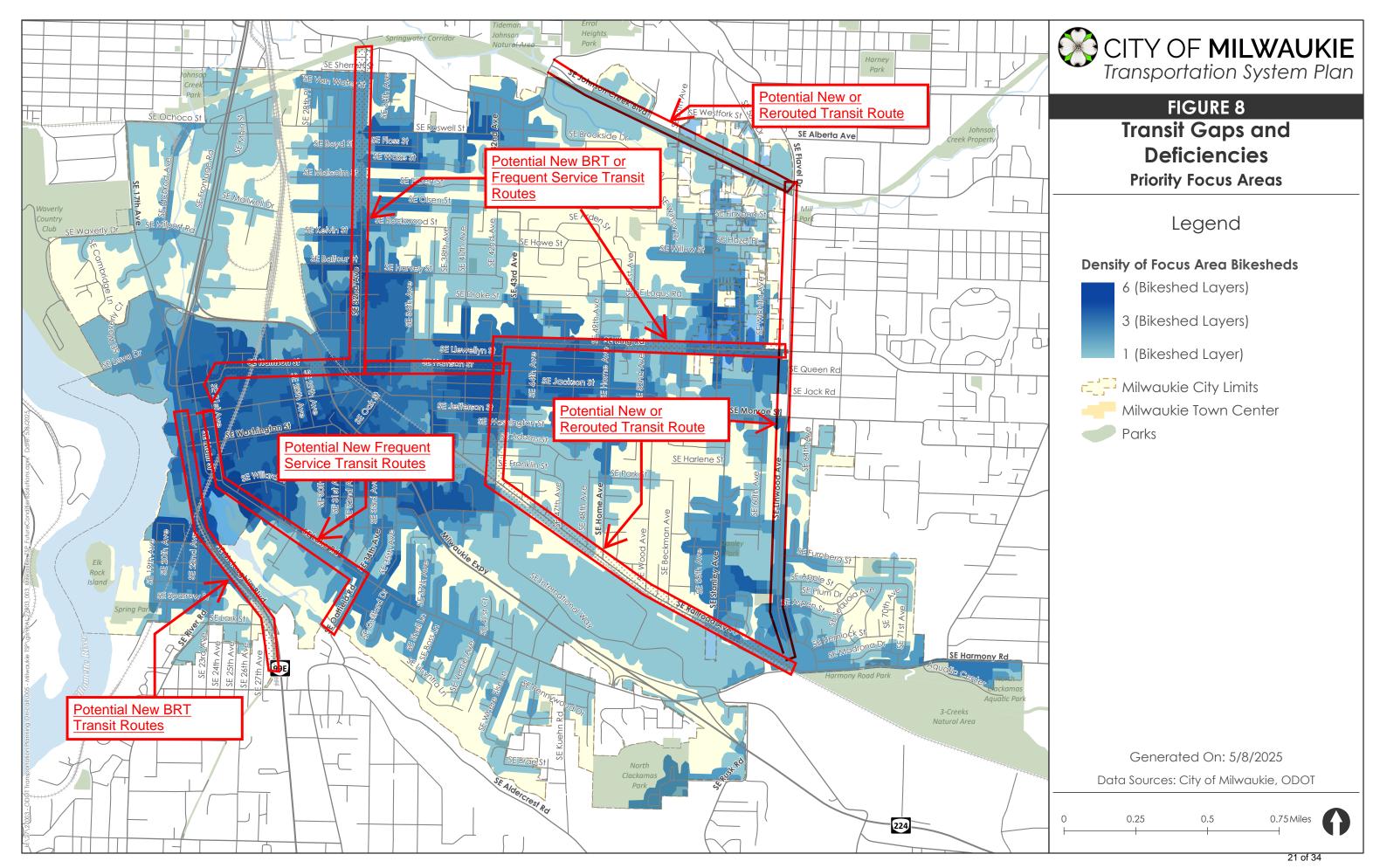
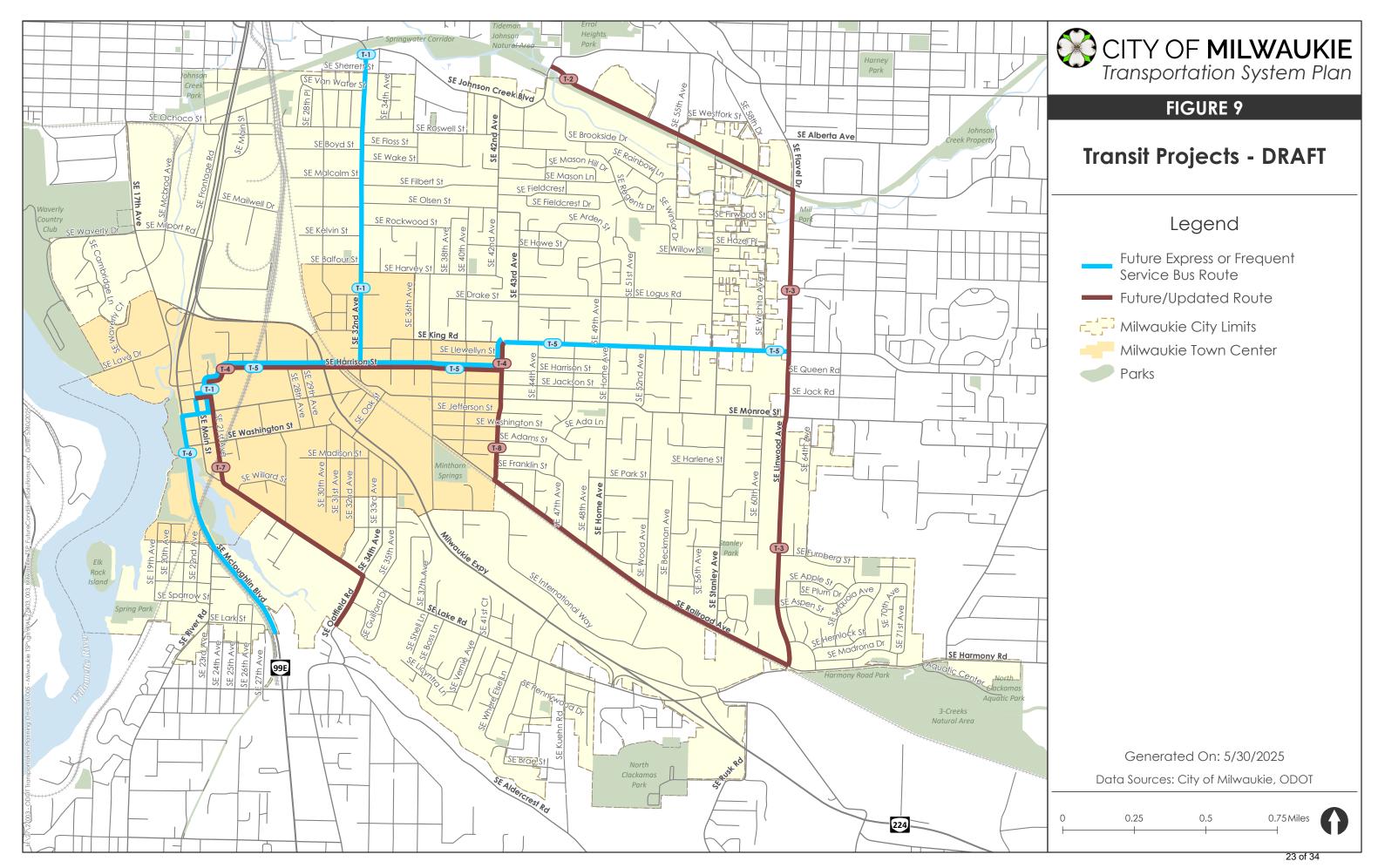


Table 3 - Transit Projects

					Detailed Project Description (for cost estimating	Transit
Project ID	Street	Start Extents	End Extents C	Current Condition	purposes)	Classification
		SE Johnson Creek			Coordinate with TriMet to help implement new Bus Rapid	
T-1	32nd Ave	Blvd	Harrison St		Transit/Express Service route	Regional Transitway
			Eastern City		Coordinate with TriMet to help implement new Frequent Service	
T-2	Johnson Creek Blvd	45th Ave	Limits		route	Transit Access Street
		SE Johnson Creek				Major Transit Priority
T-3	Linwood Ave	Blvd	SE Railroad Ave		Coordinate with TriMet to help implement new bus service route	Street
					Coordinate with TriMet to help implement new Frequest Service	
T-4	Harrison St	SE 21st Ave	King Road		Route	Regional Transitway
					Coordinate with TriMet to help implement new Bus Rapid	Major Transit Priority
T-5	King Road	SE 42nd Ave	SE Linwood Ave		Transit/Frequent Service route	Street
		Milwaukie Town	Oregon City		Coordinate with TriMet to help implement new Frequent Service	Major Transit Priority
T-6	McLoughlin Blvd	Center	Town Center		route	Street
					Coordinate with TriMet to help implement new Frequent Service	Major Transit Priority
T-7	Lake Rd-Oatfield Rd	SE Monroe St	Oatfield Rd		route	Street
					Coordinate with TriMet to help implement new Frequent Service	
T-8	Railroad/37th	SE Railroad Ave	SE 37th Ave		route	Transit Access Street
					Work with TriMet to identify and add transit stop amenities at	
T-9	Bus Shelter/Stop Safety Improvements	Citywide			main stops along bus routes	
					Work with Clackamas County to implement transit priority	
T-10	Transit Priority Signalization	Citywide			signalization along key transit corridors.	
T-11	Weekend Service Improvements	Citywide			Work with TriMet to improve hus service on various transit lines	
T-11	Weekend Service Improvements	Citywide			Work with TriMet to improve bus service on various transit lines	



Roadway System

Roadways provide infrastructure for motor vehicles, freight, bicycle, pedestrian, and transit facilities. The roadway network establishes links both within the city and outside of its boundaries, connecting surrounding areas and neighboring jurisdictions.

Limited connectivity between Milwaukie neighborhoods often forces motorists to travel out of direction and increases traffic volumes and miles traveled on the few connecting streets.

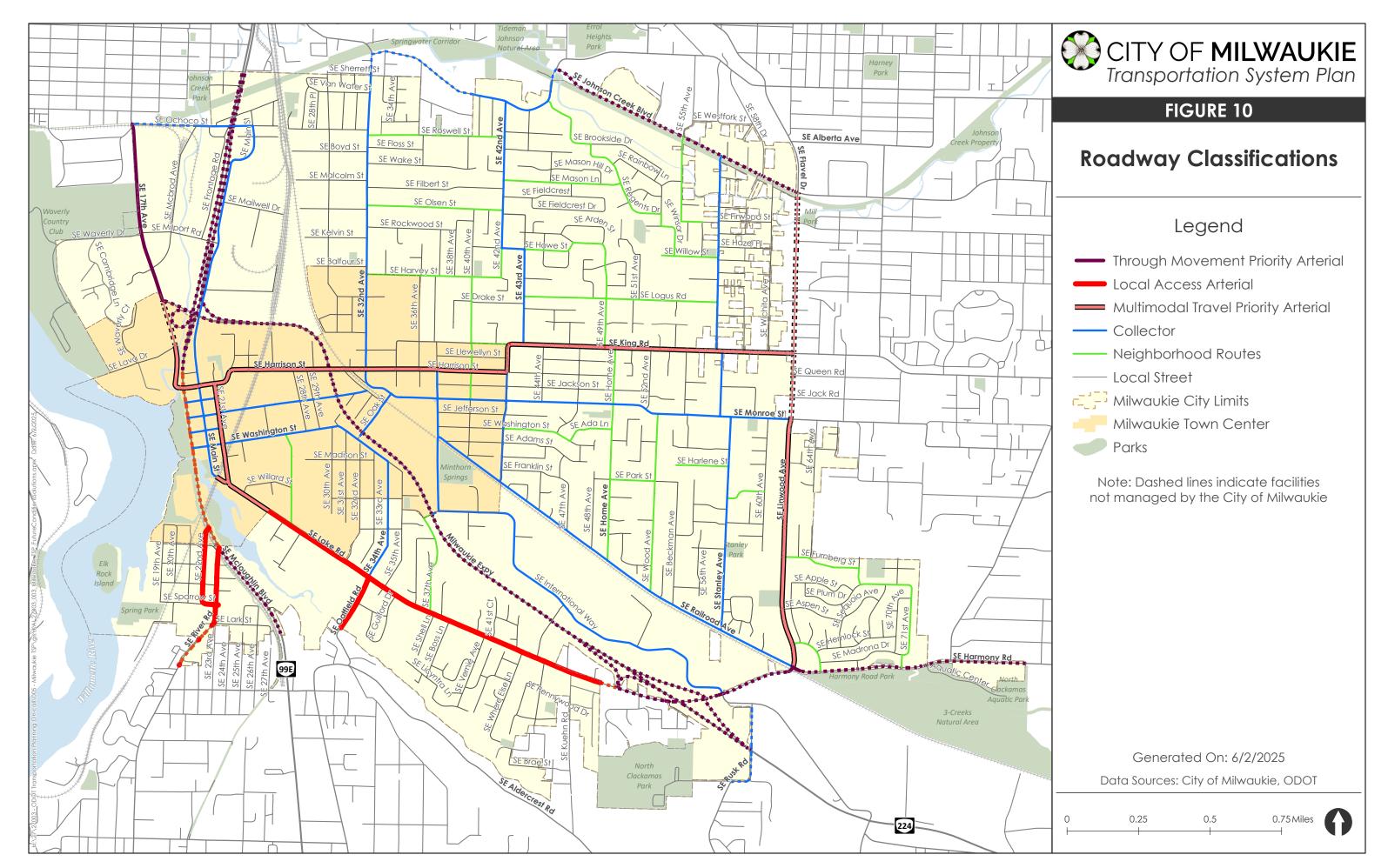
Posted speeds on City facilities are generally 25 to 35 MPH. Posted speeds on ODOT facilities range from 35 to 50 MPH, except for the segment of OR 99E near and through downtown Milwaukie, which is posted at 30 MPH. Due to recent legislative changes to ORS 810.180, The City of Milwaukie can establish by ordinance a reduction in the speed limit on local residential streets from 25 MPH to 20 MPH.

Figure 10 illustrates the roadway functional classifications, including updates to the current Milwaukie's TSP classifications to designate Johnson Creek Boulevard from SE 45th Place to the east city limits as an Arterial, Harmony Road from Linwood Ave to east city limits, and SE 17th Ave from SE Waverly Place to north city limits as arterials. This also includes proposed arterial subclassifications according to the following categories as newly required in OAR 660-012-0810(4)(a):

- Local access priority arterial
- Through movement priority arterial
- Multimodal travel priority arterial

Figure 11 illustrates the roadway needs and gaps based on a vehicular/safety analysis of select intersections, a review of projects previously identified in other local and regional transportation planning documents, and review of previous committee/public feedback. These are not overlayed on priority focus areas because prioritization of roadway projects does not necessarily align with the intent of the priority focus areas, which were developed to identify the need to improve walking, biking, and transit access.

Table 4 and Figure 12 list and illustrate the proposed roadway projects, including projects that fill in local street connections, projects that address traffic control needs, and refinement studies to improve safety, operations, and access for all modes.



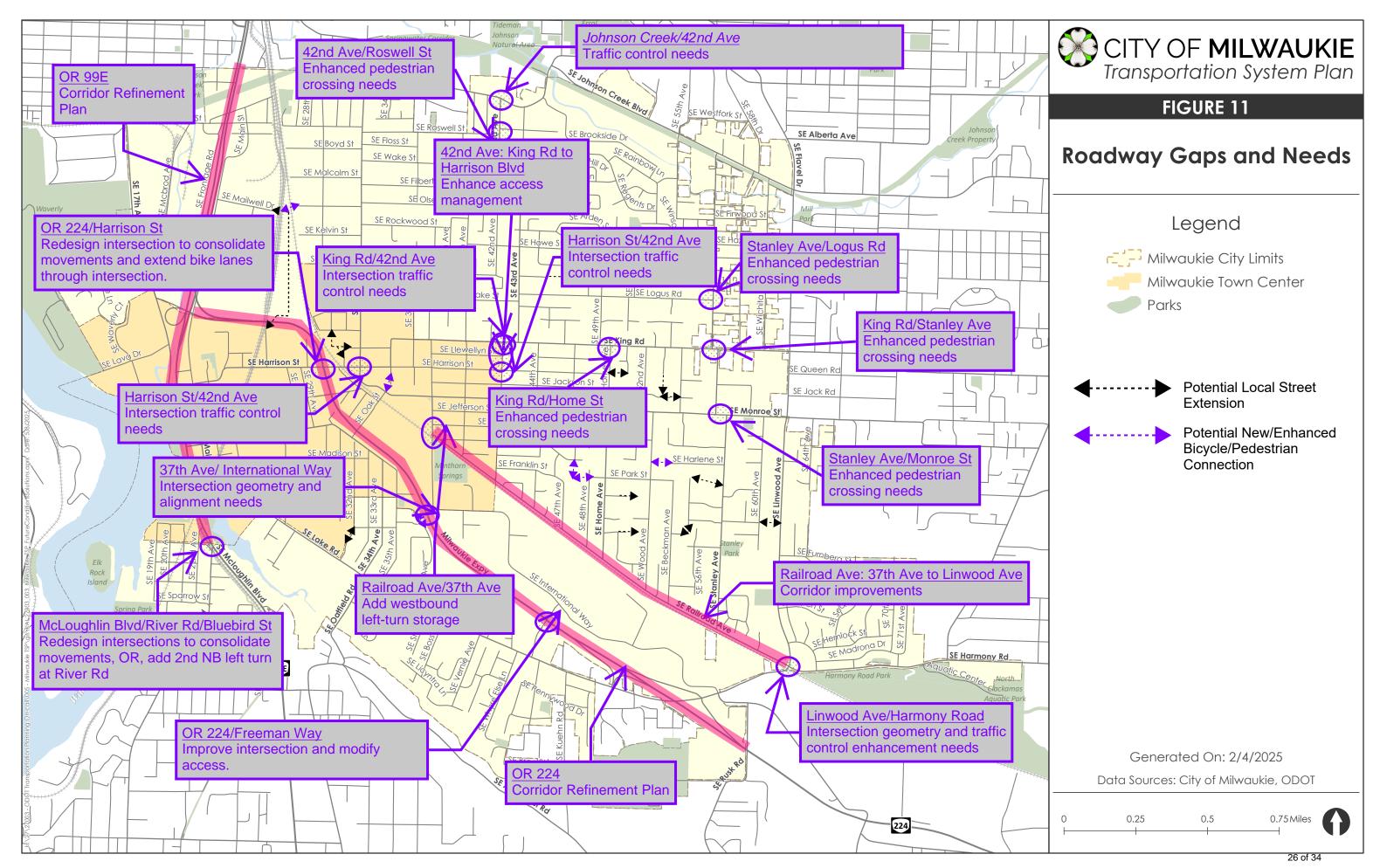
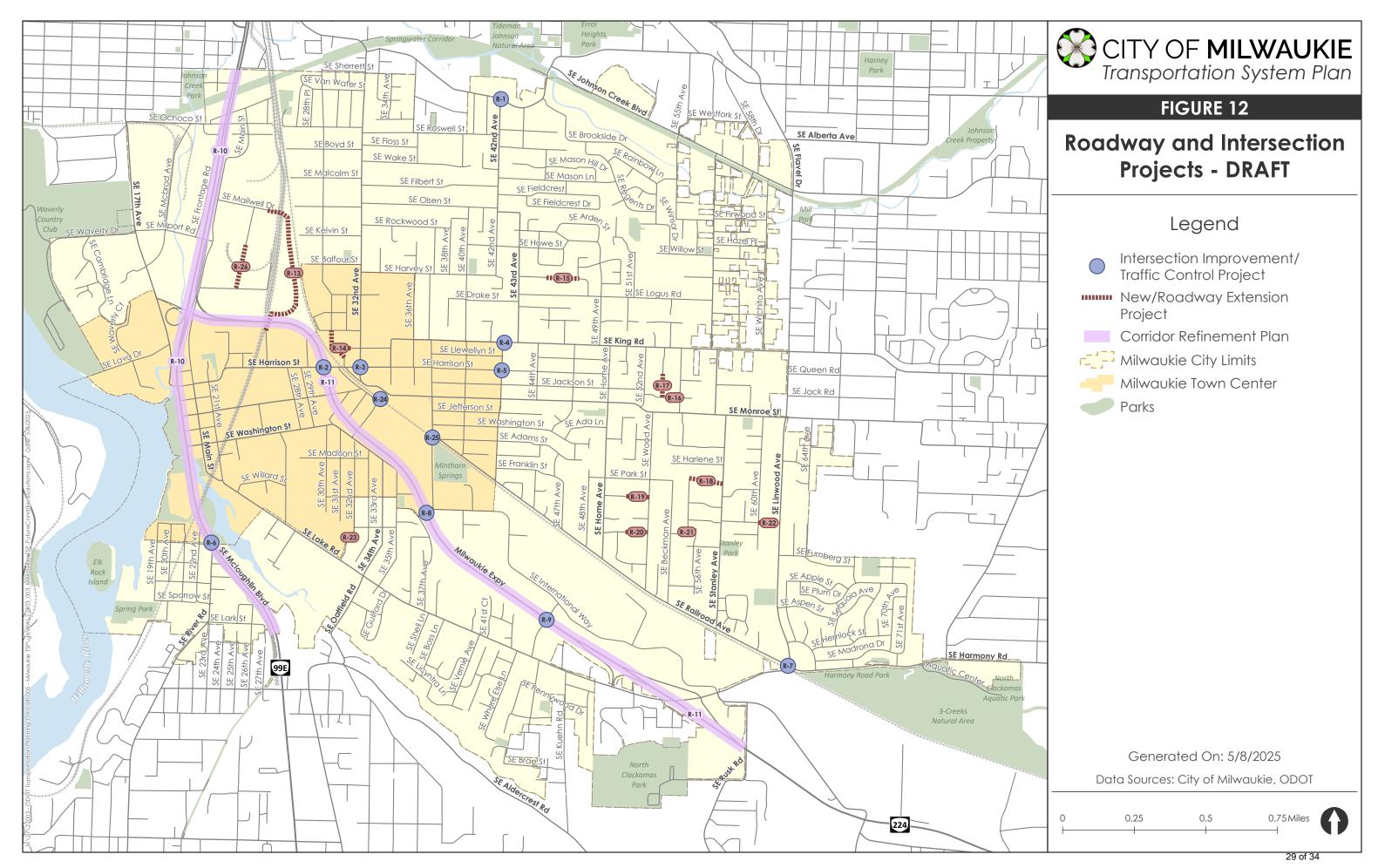


Table 4 - Roadway Projects

					Detailed Project Description (for cost estimating	Roadway
Project ID	Street	Start Extents	End Extents	Current Condition	purposes)	Classification
R-1	Johnson Creek/42nd Ave			Traffic control Needs	Replace all-way stop with a roundabout or traffic signal (when warranted)	Collector
R-2	OR 224/Harrison St			Geometric limitations	Coordinate with ODOT to add left-turn lanes and protected signal phasing on the east and west Harrison Street approaches to OR 224	Arterial
R-3	Harrison St/32nd Ave			Intersection traffic control needs	Modify the north and south approaches to provide separate left-turn lanes	Collector
R-4	King Rd/42nd Ave			Intersection traffic control needs	Install permanent geometric delineators	Arterial
R-5	Harrison St/42nd Ave			Intersection traffic control needs	Replace all-way stop with a roundabout or traffic signal (when warranted)	Arterial
R-6	McLoughlin Blvd/River Rd/Bluebird St			Capacity needs	Coordinate with ODOT and widen the northbound River Road approach to 99E to provide a second NB left-turn lane	Arterial
R-7	Linwood Ave/Harmony Road			Intersection geometry and capacity needs	Perform a refinement study that will look to accomodate vehicles, pedestrians, bicycles, and mobility vehicles. Retrofit existing traffic control infrastructure while mantaining optimal traffic operations.	
R-8	37th Ave/International Way/OR 224			Intersection geometry and alignment needs.	Coordinate with ODOT and consolidate the two northern legs of 37th Ave and International Way into one leg at OR 224. Improve pedestrian crossing of OR 224	Collector
R-9	OR 224/Freeman Way			Intersection geometry and alignment needs.	Coordinate with ODOT to improve intersection operations at the OR 224/Freeman Way intersection. Improve pedestrian crossings of OR 224	
R-10	OR 99E	Northern City Limits	Southern City Limits	Corridor Refinement Plan	Conduct a refinement study to establish alternative mobility targets for OR 99E for locations not meeting applicable State targets, and explore ways to minimize barrier effect and improve auty and freight mobility	Regional Route
R-11	OR 224	SE McLoughlin Blvd	Southern City Limits	Corridor Refinement Plan	Conduct a refinement study to establish alternative mobility targets for OR 224 for locations not meeting applicable State targets, and explore ways to minimize barrier effect and improve auty and freight mobility	Regional Route
R-12	SE Railroad Ave	SE 37th Ave	SE Linwood Ave	Two-lane roadway	Widen Railroad Ave to a three-lane roadway	Collector
R-13	SE Mailwell Drive extension	SE Crystal Lake Dr	SE Mailwell Dr	Lack of local street	Extend SE Mailwell Drive east across MAX line connecting to Crystal Lake Drive/SE 26th Ave via the OR 224 underpass.	Local
R-14	SE 29th Ave extension	SE Meet St	SE 32nd Ave	Lack of local street	Extend SE 29th Ave south of SE Meet St to SE 32nd Ave	Local
R-15	SE Melody Lane	east extents	TBD	Lack of local street	Extend SE Melody Lane	Local

Table 4 - Roadway Projects

					Detailed Project Description (for cost estimating	Roadway
Project ID	Street	Start Extents	End Extents	Current Condition	purposes)	Classification
R-16	SE Jackson Street	SE 55th Ave	SE 55th Ave	Lack of local street	SE Jackson St extension	Local
R-17	SE 53rd PI	South extents	SE Jackson St extension	Lack of local street	SE 53rd Pl extenstion	Local
R-18	SE Park St	SE 56th Ave	SE Stanley Ave	Lack of local street	SE Park extenstion	Local
R-19	SE Hunter Ct	SE Home Ave	SE Wood Ave	Lack of local street	SE Hunter Ct extenstion	Local
R-20	SE Guido Bocci Dr	SE Home Ave	SE Wood Ave	Lack of local street	SE Guido Bocci Dr Extension	Local
R-21	SE Beckman Terrace	east extents	SE 56th Ave	Lack of local street	SE Beckman Terrace extension	Local
R-22	SE Lloyd St	SE 60th Ave	SE Linwood Ave	Lack of local street	SE Lloyd Street Extension	Local
R-23	SE 32nd Ave			Lack of local street connectivity	32nd Ave Extension/Connection	Local
R-24	Oak/Railroad/Monroe			Forecast to exceed mobility standard	Install a mini roundabout	Collector
R-25	Railroad Ave/37th Ave			Queuing limitations	Widen WB Railroad Avenue approach to provide additional left- turn storage	Collector
R-26	SE Omark Dr	SE Mailwall Dr	SE Hanna Harvester Dr	Lack of local street	Extend SE Omark Dr to connect to SE Hanna Harvester Drive	Local



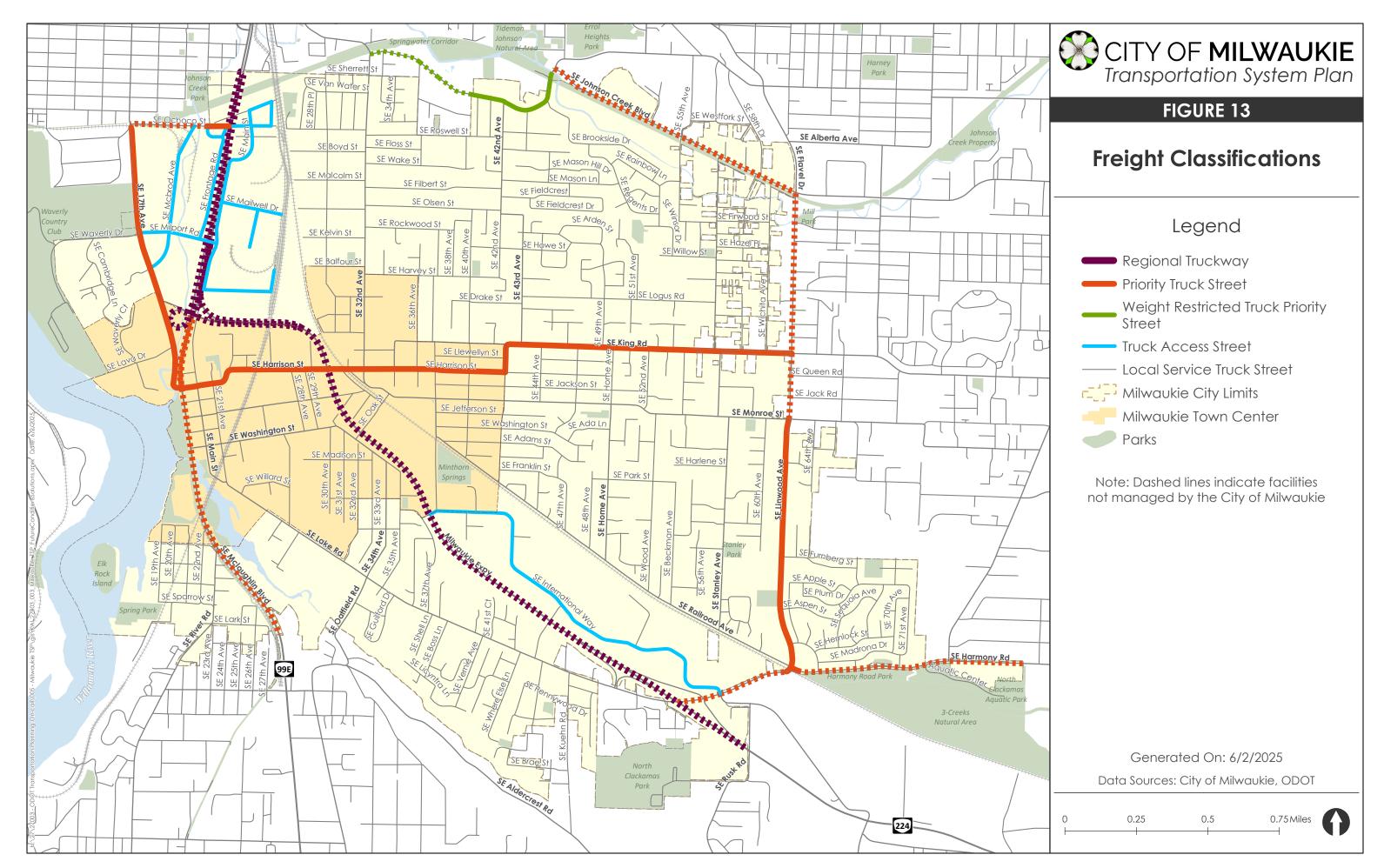
Freight Facilities

While all cities have some need for local delivery of goods to retailers and similar activities, in Milwaukie a majority of employment is in the heavy manufacturing, warehousing, and distribution sectors, which are dependent on efficient movements of large quantities of both raw materials and finished products. A well-functioning and reliable system for the movement of freight into and out of the city contributes significantly to the City's ability to attract and retain industrial investment—and the jobs and tax proceeds that come with that investment.

Figure 13 illustrates the proposed freight street classifications, including Regional Truckway, Priority Truck Street, Weight Restricted Truck Priority Street, Truck Access Street, Local Service Truck Street.

Figure 14 illustrates the freight needs and gaps based on a review of projects previously identified in other local and regional transportation planning documents and input from the project management team and technical advisory committee. These are not overlayed on priority focus areas because prioritization of freight projects does not align with the intent of the priority focus areas, which were developed to identify need to improve walking, biking, and transit access.

Table 5 and Figure 15 list and illustrate the proposed freight projects. Projects are focused on addressing geometric deficiencies, particularly along OR 224, the Regional Truckway.



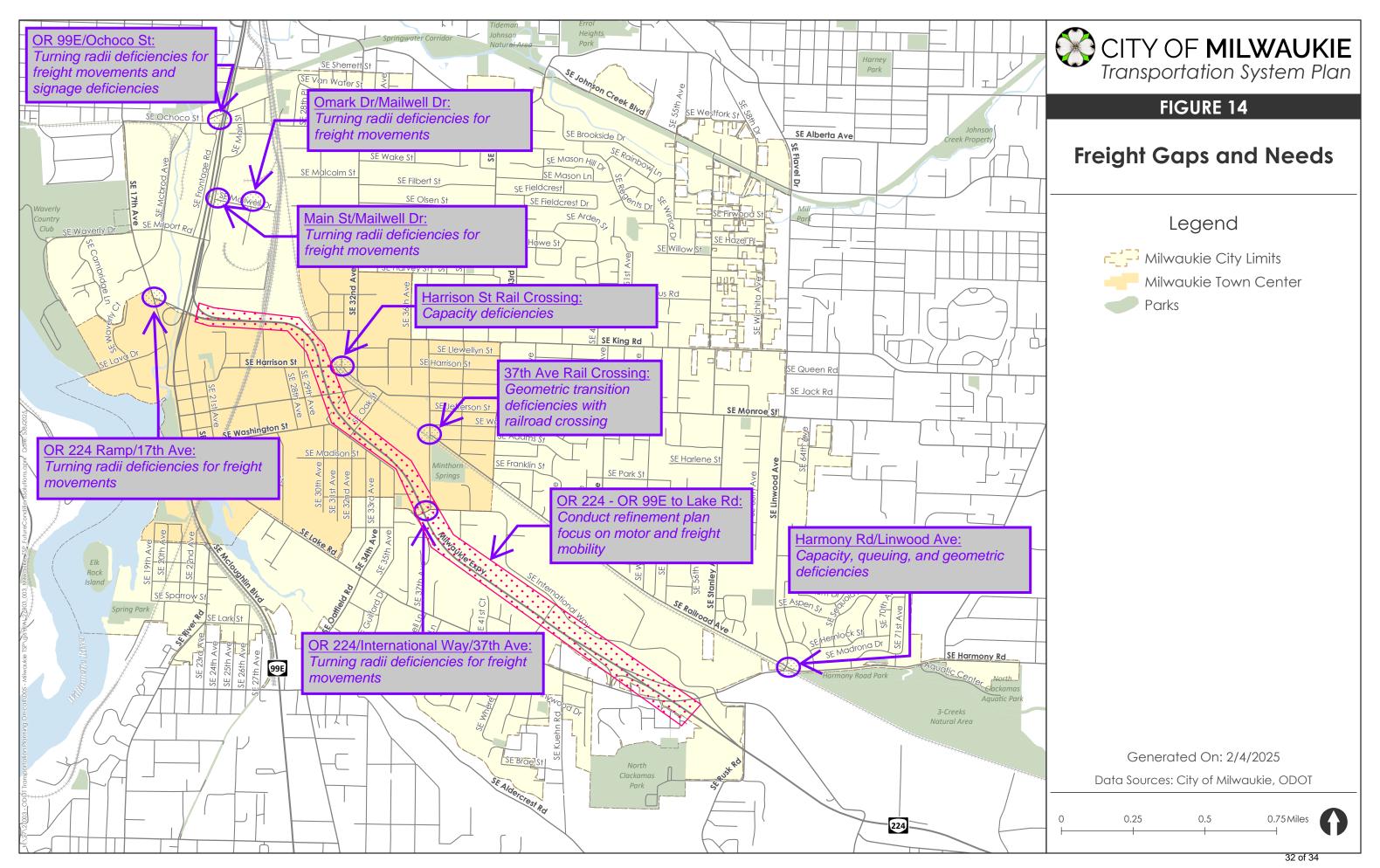


Table 5 - Freight Projects

					Detailed Project Description (for cost estimating	Freight
Project ID	Street	Start Extents	End Extents	Current Condition	purposes)	Classification
F-1	OR 99E/Ochoco St			Turning radii deficiencies for freight movements and signage deficiencies	Coordinate with ODOT to reconstruct the northwest corner of the intersection to provide enhanced turning movement accommodations for trailers.	Priority Truck Street
F-2	SE Omark Dr/SE Mailwell Dr			Turning radii deficiencies for freight movements	Upgrade intersection turing radii in the northwest quadrant to better accommodate freight movements	Truck access street
F-3	SE Main St/SE Mailwell Dr			Turning radii deficiencies for freight movements	Upgrade intersection turing radii in the northeast and southeast quadrants to better accommodate freight movements	Truck Access Street
F-4	OR 224	OR 99E	Lake Rd		Conduct refinement plan with a focus on motor and freight mobility	Regional Truck Way
F-5	OR 224 Ramp/17th Ave			Turning radii deficiencies for freight movements	Coordinate with ODOT to upgrade intersection turing radii in the northeast quadrant o better accommodate freight movements	Priority Truck Street
F-6	SE Ochoco St	SE Main St	East extents	Failing roadway surface	Upgrade street to better accommodate freight vehicles	Truck access street
F-7	SE Mailwell Dr	SE Main St	SE Omark Dr	Failing roadway surface	Upgrade street to better accommodate freight vehicles	Truck access street
F-8	SE Hanna Harvester Dr	SE Main St	SE Hanna Dr	Failing roadway surface	Upgrade street to better accommodate freight vehicles	Truck access street

