

# PEDESTRIAN PLAN



## Why are Pedestrian Facilities Important?

- Walking allows people of all ages to travel throughout the City with little impact to the environment.
- Pedestrian facilities promote the well-being of people who live and work in Milwaukie.
- Walking encourages human interaction and strengthens neighborhoods.
- Pedestrian facilities provide safe travel routes for everyone, including the elderly, disabled, and children.

## Problems to Solve

- Lack of pedestrian facilities along many of the City's streets, especially around parks and schools.
- Lack of local street connectivity forces people to walk on high-traffic roads.
- Not enough safe places to cross arterials and collectors.
- Lack of sidewalks and paths, poor connectivity, and unsafe crossings make it difficult and unsafe to reach important places such as schools, parks, and regional trails like the Springwater Trail.

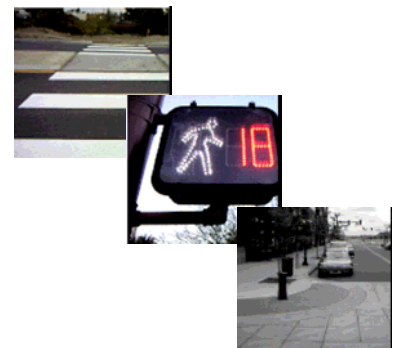


Local street without pedestrian facilities.

## Tools We Can Use

### Different Types of Pedestrian Facilities

- Sidewalks or paths along streets that safely separate pedestrians from vehicular traffic.
- Off-street facilities (trails) that accommodate cyclists and pedestrians.
- Intersection improvements as appropriate, such as pavement markings, signage, curb ramps, and pedestrian signals.



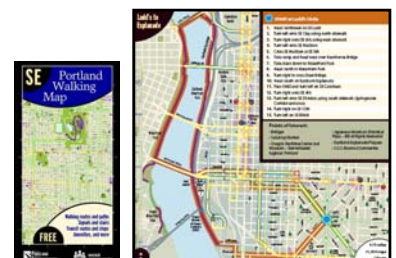
### Implementation Tools

- Capital Improvement Projects – improvements funded by public resources.
- Development-related Improvements – improvements at, on, or near properties being developed; required improvements are specified in the development code.

### Operational Projects

- Walking maps.
- Speed limit enforcement.
- Education for drivers and pedestrians.

Walking Map Example



# PEDESTRIAN PLAN



## Key Recommendations

- **Arterial and Collector Street Improvements.** Construct walkways along key collector and arterial streets, especially when project is publicly-funded:
  - SE Monroe Street from SE 42<sup>nd</sup> Avenue to eastern City limit
  - SE Stanley Avenue within the City limits
  - SE Linwood Avenue within City limits
  - SE 17<sup>th</sup> Avenue north of downtown
  - SE Railroad Avenue within the City limits
- **Local Street Improvements.** Walkways on local streets to be mostly constructed by new/infill development.
- **Intersection Improvements.** Construct intersection improvements to improve pedestrian safety near Highway 224 and the Milwaukie Marketplace:
  - SE Oak Street by the railroad tracks
  - SE Harrison and Highway 224
  - SE Railroad Avenue and SE 37<sup>th</sup> Avenue
- **Other improvements.**
  - Maintain existing sidewalks (e.g., uneven surfaces, overgrown vegetation) through property owner education and enforcement.
  - Develop and distribute walking maps that shows routes to major destinations such as parks, schools, commercial areas, and trails.
  - Enforce against speeding and running stop signs.



SE Monroe Street

## Pedestrian and Bicycle Working Group Participants

The following individuals attended one or more of the two meetings:

Aaron Tarfman	Mark Gamba	Lisa Batey
Ann Wilson	Matt Menely	Steven Kung
Anne Nottigham	Matt Picio	Susanna Pai
Cheryl Ausmann-Moreno	Nick Dougher	Debbie Cronk
Connie Ottoboni	Noah Cowgill	Dottie Teeple
David Aschenbrenner	Parker Fitzpatrick	Sherri Dow
David DeVore	Paul Sylvester	Renee Moog
Emily Gardner	Jerry Bitz	Jon Stoll
Forris Frick	John Climaldi	Keith Neubauer
Heather Andrews		





# Transportation System Plan

## FIGURE 5 - 1

### PEDESTRIAN MASTER PLAN

May 2007

DRAFT

**LEGEND**

<b>Planned Improvements</b>	<b>Existing Sidewalks</b>
Sidewalks on Both Sides of Roadway if not Currently Existing	< 5 ft. Width
Intersection with Potential Safety Improvement	5 ft. - 10 ft. Width
Springwater Trail/Kellogg Trail	

Note: Letter corresponds to project ID reference

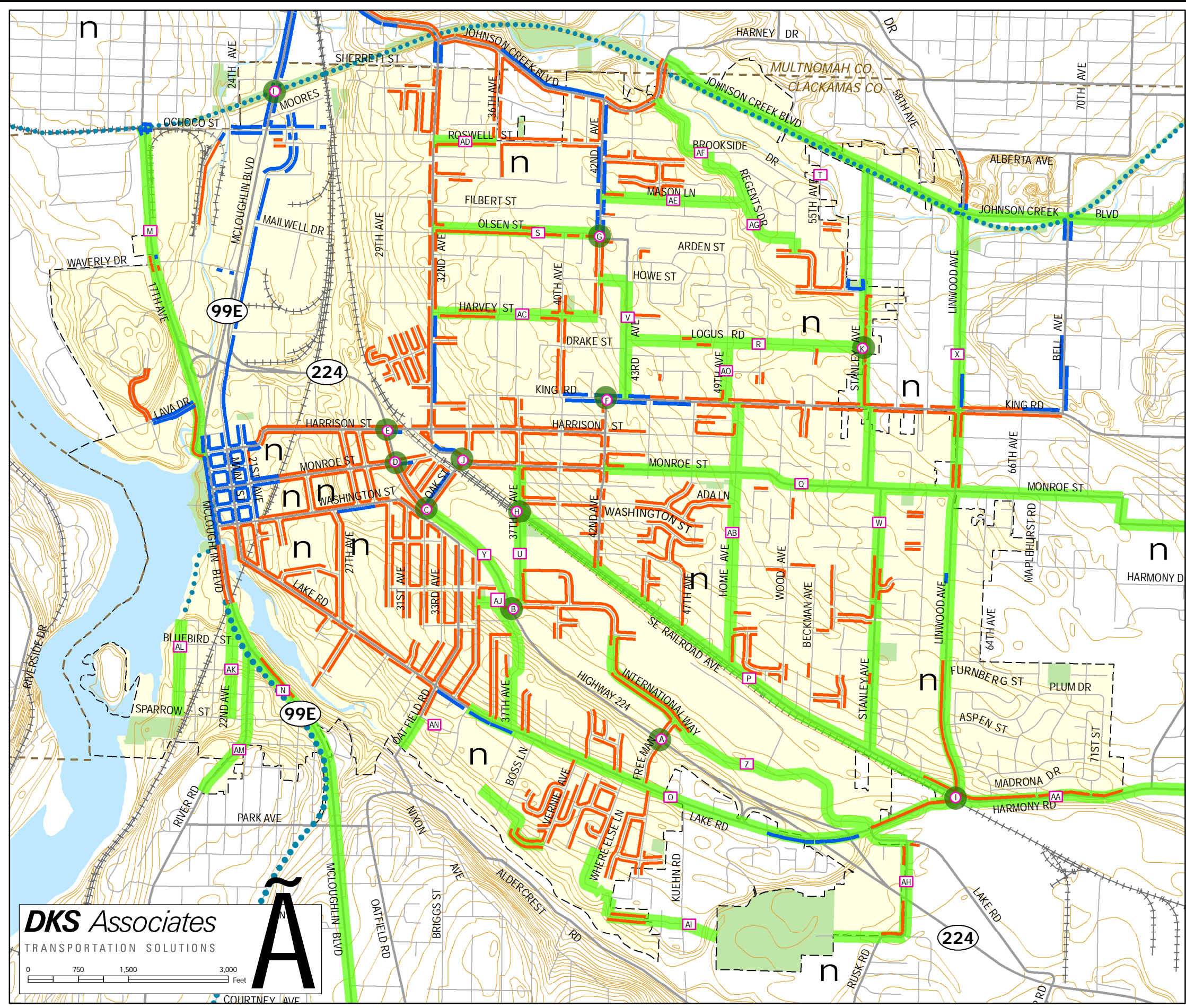
### POTENTIAL PROJECTS

#### Intersection Improvement Related to Pedestrian Safety

- A** SE Freeman Way/HWY 224
- B** SE 37th Avenue/HWY 224
- C** SE Oak Street/HWY 224
- D** SE Monroe Street/HWY 224
- E** SE Harrison Street/HWY 224
- F** SE 42nd Avenue/SE King Road
- G** SE Olsen Street/SE 42nd Avenue
- H** SE Railroad Avenue/SE 37th Avenue
- I** SE Harmony Road/SE Lake Road
- J** SE Railroad Avenue/SE Oak Street
- K** SE Stanley Avenue/SE Logus Road
- L** Improved Ramp at Springwater Trail/SE McLoughlin Boulevard

#### Provide Walkways on Both Sides of Roadway

- M** SE 17th Avenue from Ochoco Street to McLoughlin Boulevard
- N** SE McLoughlin Blvd from SE Washington Street to City limits
- O** SE Lake Road from SE Oatfield Road to HWY 224
- P** SE Railroad Avenue from SE 37th Avenue to SE Harmony Road
- Q** SE Monroe Street from SE 42nd Avenue to City limits
- R** SE Logus Road from SE 43rd Avenue to SE Stanley Road
- S** SE Olsen Street from SE 32nd Avenue to SE 42nd Avenue
- T** SE Johnson Creek Boulevard from SE Harney Drive to City limits
- U** SE 37th Avenue from SE Lake Road to SE Harrison Street
- V** SE 43rd Avenue from SE King Road to SE 42nd via SE Howe Street
- W** SE Stanley Avenue from SE Johnson Creek Blvd to SE Railroad Avenue
- X** SE Linwood Avenue from SE Johnson Creek Blvd to SE Railroad Avenue
- Y** HWY 224 from SE Oak Street to SE 37th Avenue
- Z** SE International Way from SE Criterion Court to SE Lake Road
- AA** SE Harmony Road from SE Linwood Avenue to City limits
- AB** SE Home Avenue from SE Railroad Avenue to SE King Road
- AC** SE Harvey Street from SE 32nd Avenue to SE 42nd Avenue
- AD** SE Roswell Street from SE 32nd Avenue to SE 36th Avenue
- AE** SE Mason Lane from SE 42nd Avenue to SE Regents Drive
- AF** SE Brookside Drive from SE Johnson Creek Blvd to SE Regents Drive
- AG** SE Regents Drive from SE Brookside Drive to SE Winsor Drive
- AH** SE Rusk Road from SE Lake Road to North Clackamas Park
- AI** Connections from North Clackamas Park to Rowe Middle School
- AJ** SE Edison Street from SE 35th Avenue to SE 37th Avenue
- AK** SE 22nd Avenue from SE McLoughlin Blvd to SE Sparrow Street
- AL** SE 19th Avenue from Kellogg Creek Trail to SE Sparrow Street
- AM** SE River Road from SE McLoughlin Blvd to City Limit
- AN** SE Oatfield Road from SE Guilford Court to City Limit
- AO** SE 49th Avenue from SE Logus Road to SE King Road



**DKS Associates**  
TRANSPORTATION SOLUTIONS

0 750 1,500 3,000 Feet

## Pedestrian Master Plan Project List

Priority	Type	Location	Improvement	From	To	Order-of-Magnitude Cost
High	C	SE 17 <sup>th</sup> Avenue	Fill in sidewalk gaps on both sides of street.	SE Ochoco Street	SE McLoughlin Boulevard	\$\$\$
High	C	SE Lake Road	Fill in sidewalk gaps on both sides of street.	SE Oatfield Road	Hwy 224	\$\$\$
High	C	SE Monroe Street	Fill in sidewalk gaps on both sides of street.	SE 42nd Avenue	City limit	\$\$\$
High	C	SE Stanley Avenue	Fill in sidewalk gaps on both sides of street.	SE Johnson Creek Boulevard	SE Railroad Avenue	\$\$\$
High	C	SE Railroad Avenue	Fill in sidewalk gaps on both sides of street.	SE 37th Avenue	SE Harmony Road	\$\$\$
High	O	Sidewalk maintenance	Clear overhanging vegetation and other obstructions from sidewalks; Repair of safety hazards on existing sidewalks	Citywide	Citywide	\$\$
High	O	Walking Maps	Develop maps that identify walking paths in the city and direct pedestrians on routes to activity centers	Citywide	Citywide	\$
Med	C	SE International Way	Fill in sidewalk gaps on both sides of street.	SE Mallard Way	SE Lake Road	\$\$\$
Med	C	SE 43 <sup>rd</sup> Avenue/SE King Road	Intersection enhancements	Location specific	Location specific	\$
Med	C	SE Brookside Drive	Fill in sidewalk gaps on both sides of street.	SE Johnson Creek Boulevard	SE Regents Drive	\$
Med	C	SE McLoughlin Boulevard	Fill in sidewalk gaps on both sides of street.	SE Washington Street	City limits	\$\$\$
Med	C	SE Railroad Avenue/SE Oak Street	Intersection enhancements	Location specific	Location specific	\$
Med	O	Identify walkways	Provide maps and signage on streets to identify ways to get through the city	Citywide	Citywide	\$
Med	O	Pedestrian Amenities along routes	Install amenities, such as benches, and similar improvements along key walking routes	Citywide	Citywide	\$\$
Med	P	Policy to develop walkways on essential routes	Focus on construct sidewalk or appropriate walkways on important pedestrian routes	Citywide	Citywide	\$

Notes:

C = Capital Project

O = Operational Project

P = Policy Project

High = High priority

Med = Medium priority

Low = Low Priority

\$\$\$ = > \$400K

\$\$ = \$100K - \$400K

\$ = < \$100K

Priority	Type	Location	Improvement	From	To	Order-of-Magnitude Cost
Med	P	Police enforcement on automobiles	Enforcement of speeding violations, including photo radar, to make the streets generally safer; Enforcement of laws related to pedestrian crossings and crosswalks	Citywide	Citywide	\$
Med	P	Pedestrian safety at schools	Utilize safe routes to schools programs and resources	Citywide	Citywide	\$
Med	P	Policies that encourage walking	Support mixed-use development and services near residential areas; Re-examine automobile centered policies, such as high amounts of required parking	Citywide	Citywide	\$
Low	C	SE 19th Avenue	Fill in sidewalk gaps on both sides of street.	SE Eagle Street	SE Sparrow Street	\$\$
Low	C	SE 22nd Avenue	Fill in sidewalk gaps on both sides of street.	Hwy 99E	SE Sparrow Street	\$\$
Low	C	SE 37th Avenue	Fill in sidewalk gaps on both sides of street.	SE Lake Road	SE Harrison Street	\$\$\$
Low	C	SE 43rd Avenue	Fill in sidewalk gaps on both sides of street.	SE Olsen Street	SE King Road	\$\$\$
Low	C	SE Edison Street	Fill in sidewalk gaps on both sides of street.	SE 35th Avenue	SE 37th Avenue	\$\$
Low	C	SE Harmony Road	Fill in sidewalk gaps on both sides of street.	SE Linwood Avenue	City limits	\$
Low	C	SE Harvey Street	Fill in sidewalk gaps on both sides of street.	SE 32nd Avenue	SE 42nd Avenue	\$\$\$
Low	C	SE Home Avenue	Fill in sidewalk gaps on both sides of street.	SE Railroad Avenue	SE King Road	\$\$\$
Low	C	SE Johnson Creek Boulevard	Fill in sidewalk gaps on both sides of street.	SE Harney Drive	City limits	\$\$
Low	C	SE Linwood Avenue	Fill in sidewalk gaps on both sides of street.	SE Johnson Creek Boulevard	SE Railroad Avenue	\$\$\$
Low	C	SE Logus Road	Fill in sidewalk gaps on both sides of street.	SE 43rd Avenue	SE Stanley Road	\$\$\$
Low	C	SE Mason Lane	Fill in sidewalk gaps on both sides of street.	SE 42nd Avenue	SE Regents Drive	\$\$\$
Low	C	SE Oatfield Road	Fill in sidewalk gaps on both sides of street.	SE Guilford Court	City Limits	\$\$

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Priority	Type	Location	Improvement	From	To	Order-of-Magnitude Cost
Low	C	SE Regents Drive	Fill in sidewalk gaps on both sides of street.	SE Brookeside Drive	SE Winsor Drive	\$\$\$
Low	C	SE River Road	Fill in sidewalk gaps on both sides of street.	Hwy 99E	SE Lark Street	\$\$\$
Low	C	SE Roswell Street	Fill in sidewalk gaps on both sides of street.	SE 32nd Avenue	SE 36th Avenue	\$\$
Low	C	SE Rusk Road	Fill in sidewalk gaps on both sides of street.	SE Lake Road	North Clackamas Park	\$\$\$
Low	C	SE Olsen Street	Fill in sidewalk gaps on north side of street.	SE 32nd Avenue	SE 43rd Avenue	\$\$\$
Low	C	Intersections throughout the City	Install curb ramps at all intersections with sidewalks*	Citywide	Citywide	\$
Low	C	SE Monroe Street/Hwy 224	Intersection enhancements	Location specific	Location specific	\$
Low	C	SE 37th Avenue/Hwy 224	Intersection enhancements	Location specific	Location specific	\$
Low	C	SE Freeman Way/Hwy 224	Intersection enhancements	Location specific	Location specific	\$
Low	C	SE Harmony Road/SE Lake Road	Intersection enhancements	Location specific	Location specific	\$
Low	C	SE Harrison Street/Hwy 224	Intersection enhancements	Location specific	Location specific	\$
Low	C	Hwy 224	Fill in sidewalk gaps on both sides of street.	SE Oak Street	SE 37th Avenue	\$\$\$
Low	C	SE Oak Street/Hwy 224	Intersection enhancements	Location specific	Location specific	\$
Low	C	SE Olsen Street/SE 42nd Avenue	Intersection enhancements	Location specific	Location specific	\$
Low	C	SE Railroad Avenue/SE 37 <sup>th</sup> Avenue	Intersection enhancements	Location specific	Location specific	\$
Low	C	North Clackamas Park	Provide sidewalks to connect park to school.	North Clackamas Park	Rowe Middle School	\$\$\$
Notes: C = Capital Project                      High = High priority                      \$\$\$ = > \$400K O = Operational Project                  Med = Medium priority                      \$\$ = \$100K - \$400K P = Policy Project                          Low = Low Priority                              \$ = < \$100K						

Priority	Type	Location	Improvement	From	To	Order-of-Magnitude Cost
Low	C	SE Stanley Avenue/SE Logus Road	Intersection enhancements	Location specific	Location specific	\$
Low	C	Improved Ramp at Springwater Trail/SE McLoughlin Boulevard	Intersection enhancements	Location specific	Location specific	\$
Low	C	SE 49th Avenue	Fill in sidewalk gaps on both sides of street.	SE Logus Road	SE King Road	\$\$
Low	P	Policy to develop walkways throughout the City	Construct sidewalks or appropriate walkways everywhere as development occurs or capital funds become available.	Citywide	Citywide	\$
Low	P	Police enforcement on pedestrians	Enforce laws related to pedestrians and street crossings	Citywide	Citywide	\$
Low	P	Improved Education	Educate general public about pedestrian safety; Inform general public about traffic laws related to pedestrians	Citywide	Citywide	\$

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