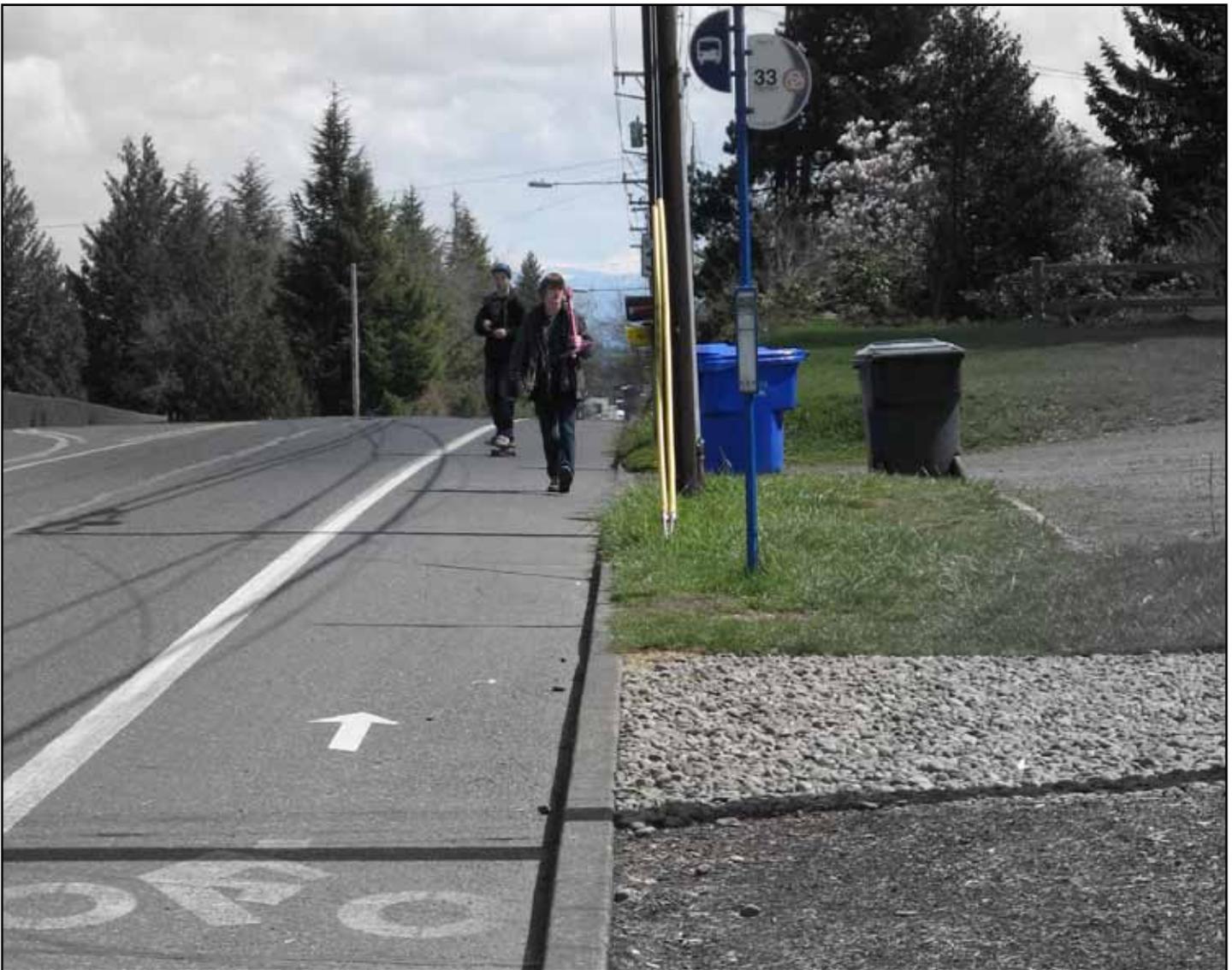




Oregon City

Clackamas County Red Soils Campus



Clackamas County Red Soils Campus—Oregon City

The Clackamas County Red Soils Campus focus area is located in the City of Oregon City. It is situated approximately 1.5 miles from Oregon City's downtown and seven miles from Clackamas Regional Center. There are connections to bus lines at the Oregon City Transit Center, located in downtown Oregon City. Within the focus area there is a variety of retail and services. Nearly all of the County's offices and services are located in this focus area at its Red Soils Campus. The fact the County has all of its services located in the area, combined with the mix of uses makes it a good location for infrastructure investments that will improve a person's ability to walk to transit stops and local destinations safely, directly, and comfortably.

Places to access locally by foot

If a person walks within this focus area, these are examples of the places he or she could walk to or from:

- Retail (e.g. Hilltop Mall, Fred Meyer, Goodwill)
- Housing (Senior, Multi-family, Single-Family)
- Clackamas County Red Soils Campus
- Schools (Gardiner Middle School, Mt. Pleasant Elementary School)
- Park (Hillendale Park, Singer Creek Park)

Places to access regionally by transit

If a person boards a TriMet bus or train in this focus area, these are examples of the places he or she could travel to or from without making a transfer:

Oregon City: Downtown Oregon City, Clackamas Community College

Clackamas Town Center: Clackamas Town Center

Milwaukie: Downtown Milwaukie

Portland: Downtown Portland, Portland State University

Transit centers and MAX stations: Oregon City Transit Center, Clackamas Town Center Transit Center, new Portland to Milwaukie light rail line stations

2040 growth concept centers: Central City, Oregon City Regional Center, Clackamas Regional Center, Milwaukie Town Center

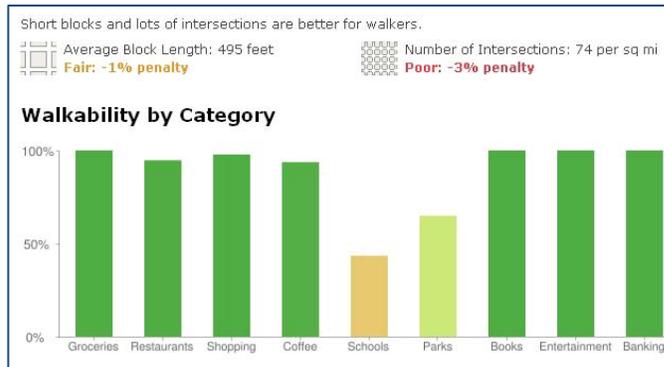
15 minutes by walking

The map below displays the area a person can walk to, from the intersection of Molalla Ave. & Warner Milne Rd., within 15 minutes, using the street network. It was created using the website *walkscore.com*. Additional information about Walkscore's beta street smart feature can be found on their website. As noted earlier, Walkscore has limitations. It cannot rate the quality of a walking environment. For example, it does not know whether a sidewalk is missing or an intersection is dangerous to cross. The "observed behavior" section of this report begins to assess the focus area from a more qualitative, user experience perspective.

Walk shed map: score 88 out of 100—very walkable—most errands can be accomplished on foot



Source: *walkscore.com* (beta street smart feature)



15 minutes by transit

The map below displays the area a person can travel to within 15 minutes, using TriMet transit service, from the intersection of Molalla Ave. & Warner Milne Rd. It was created using the website *mapnificent.net*, and assumes the person is starting travel at 9 a.m. on a weekday.



Source: *mapnificent.net*

The table below shows, during an average week, how many people are getting on and off a bus at stops located at an intersection. We know every person who got on or off the bus had to walk or roll for some part of their trip to the bus stop. Therefore, when no other pedestrian count data is available, the total number of ons and offs can be used as a proxy for the *minimum* number of pedestrians walking around an intersection during an average week. Likewise, the table shows how many times the bus ramp or lift is deployed. The number of ramp/lift deployments is an indicator of the number of people needing an accessible walking environment, often because they are using a mobility device, stroller, or shopping cart.

Top 5 intersections with TriMet customer ons and offs

Transit stop locations - intersection	Transit line(s)	Weekly ons and offs at intersection	Monthly vehicle ramp/lift deployment at intersection
Molalla & Clairmont	33,99	1,210	22
Beavercreek & Library Ct	33	617	8
Beavercreek 400 Block	33	413	5
Molalla & Gaffney	33	404	23
Molalla & Mountain View	33	387	8

Observed behavior

1. People walking in bicycle lanes along Warner Milne Rd. where no sidewalks exist on the south side of the road, between Leland Rd. & Beavercreek Rd.
2. People pushing young children in strollers along neighborhood streets with no sidewalks in the residential neighborhoods located off of Clairmont Way & S. Gaffney La.
3. Motor vehicles inconsistently yielding for pedestrians at mid-block crossings along Molalla Ave.
4. People crossing, just north of Clairmont Way, from apartments on Westside of Molalla Ave. to the shopping center on the east side of the street.
5. People walking through grass, on Beavercreek Rd. where there is no sidewalk, to reach the bus stop located at Library Ct.

Clackamas County Red Soils Campus—pedestrian and transit needs

Needs help

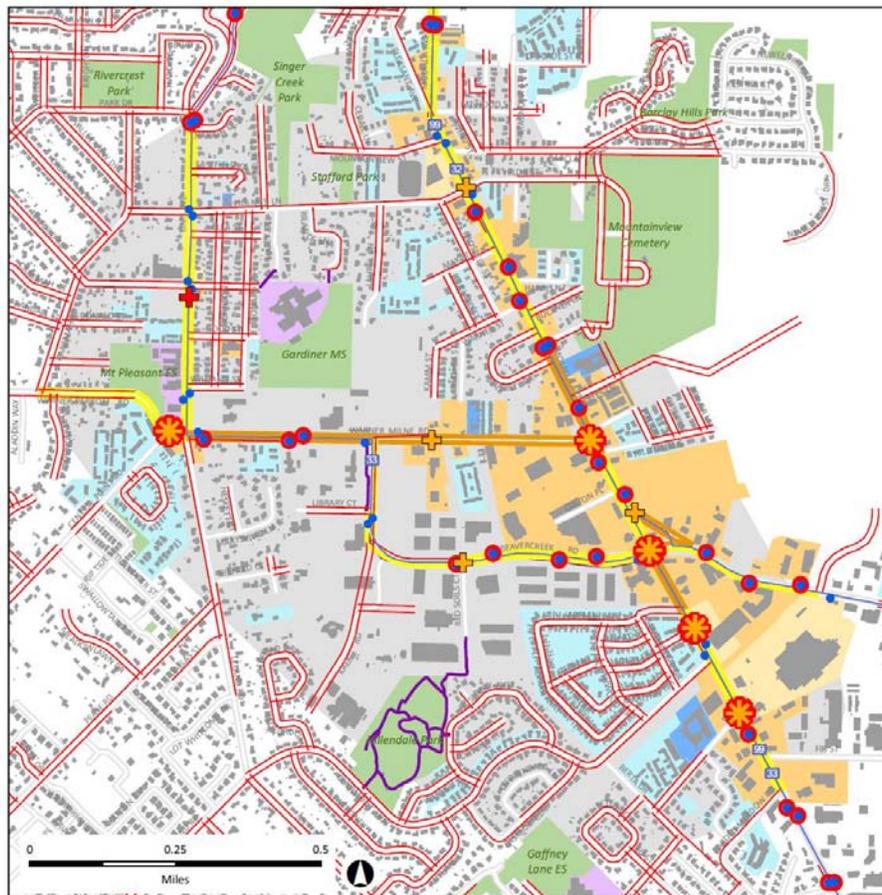


Warner Milne Rd. & Beaver Creek Rd., near bus Stop ID 9517

Something positive to build from



S. Beaver Creek Rd. near bus Stop ID 9582



C. Maher - 1 July 2012 - Focus_Area_Existing_Cond_85x11.mxd

- | | | | | | |
|--|---|--|-----------------------------------|--|----------------------|
| | Conflict at crossing with turning vehicles | | TriMet stops | | Multi-family housing |
| | Fatality or serious injury bike/ped crash | | Stops >150' from marked crosswalk | | Senior housing |
| | Injury bike/ped crash | | TriMet bus lines | | Pre-to-middle school |
| | Minimal buffer between sidewalk and traffic | | Existing multi-use path | | High school |
| | No buffer between sidewalk and traffic | | Proposed multi-use path | | Library |
| | Sidewalk gaps | | Focus area boundary | | Health clinic |
| | | | Parks and open space | | Grocery store |
| | | | | | Commercial: other |

Five actions to take to make the area safer, easier, and comfortable to walk

- 1.** Build sidewalks that are at least 10 ft. wide along Warner Milne Rd., where there are none. Ensure there is a landscaped buffer between pedestrians and the roadway.
- 2.** Build sidewalks on both sides of the street on local, residential streets, particularly those that connect to roadways with transit service, for example on Clairmont Way and on S. Gaffney La.
- 3.** Install additional pedestrian warning systems at mid-block crossings along Molalla Ave. Consider treatments like Rectangular Rapid-Flashing Beacons (RRFBs) to provide more visibility to drivers and assist pedestrians with crossing the street.
- 4.** Provide an additional, protected pedestrian crossing on Molalla Ave, just North of Clairmont Way, to connect the apartments on the west side of Molalla to the shopping center on the east side of the street. Consider treatments like medians with pedestrian refuges, and pedestrian warning signs, like Rectangular Rapid-Flashing Beacons (RRFBs) to assist people with crossing the street.
- 5.** Build sidewalks, where there are none, along the north edge of Beaver Creek Rd., west of Molalla Ave. Ensure there is a landscaped buffer between pedestrians and motor vehicles.