



Hillsboro

Tanasbourne Town Center



Tanasbourne Town Center—Hillsboro

The Tanasbourne Town Center focus area is located in the City of Hillsboro. It is situated approximately six miles from the City of Hillsboro's downtown and the City of Beaverton's downtown. Light rail and bus connections converge at three transit centers accessible by bus from the focus area. The closest one is the Willow Creek/SW 185th Ave Transit Center. Within the focus area a variety of retail and service providers are located along NW185th Ave. The mix of uses in the area makes this focus area a prime location for infrastructure investments that will improve a person's ability to walk to transit stops and local destinations safely, directly, and comfortably. It is an area of attention for the City of Hillsboro as it thinks about how to attract new investment.

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. Streets of Tanasbourne, Tanasbourne Village, Tanasbourne Center)
- Housing (senior, multi-family, single-family)
- Kaiser Medical Facility (under construction)
- McKinley Elementary School
- Rock Creek Trail, Evergreen 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:

Hillsboro: Downtown Hillsboro, SW Evergreen Pkwy and SW Cornell Rd. Employment Corridors, Hillsboro Airport, Pacific University (Hillsboro Campus)

Aloha: Aloha High School

Beaverton: Downtown Beaverton, Beaverton High School, Valley Catholic High School

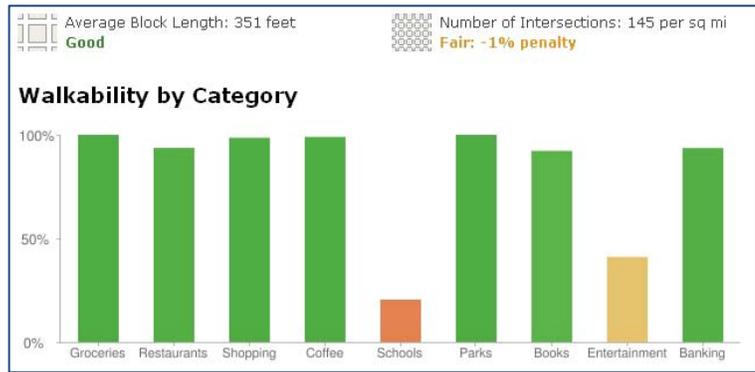
Transit centers and MAX stations: Willow Creek/SW 185th Ave Transit Center, Hillsboro Central/SE 3rd Ave Transit Center, Beaverton Transit Center

2040 growth concept centers: Tanasbourne Regional Center, Hillsboro Regional Center, Beaverton Regional Center, Aloha Town Center

15 minutes by walking

The map below displays the area a person can walk to, from the intersection of NW Cornell Rd. & NW Stucki Ave., 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.

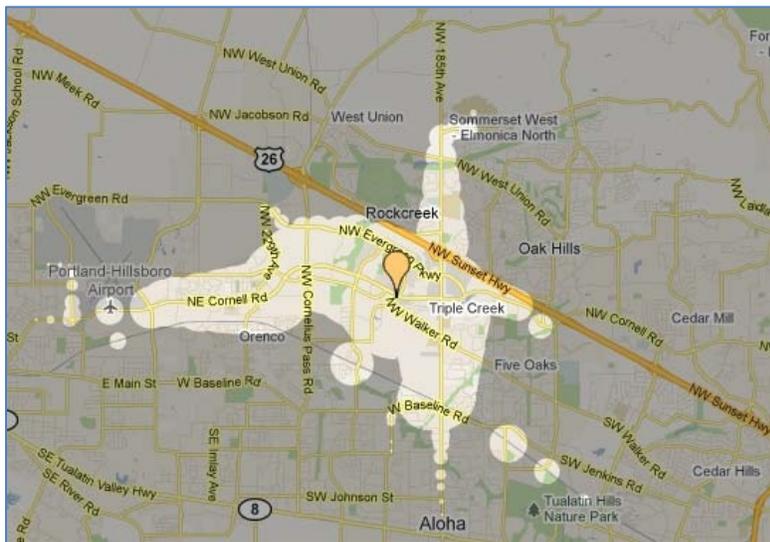
Walk shed map: score 88 out of 100— very walkable— most errands can be accomplished on foot



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 NW Cornell Rd. & NW Stucki Ave. 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
185th & Cornell	47,48,52	2,363	47
185th & Tanasbourne Rd	52	2,011	63
185th & Evergreen	52	717	33
185th & McKinley School/Sunset Square	47,48,52	562	16
Cornell & Stucki	48	298	7

Observed behavior

1. People having to wait a long time before being able to get a walk signal, crossing very long distances, and being on the watch for motor vehicles making permitted right turns on red at the intersection of NW Cornell Rd. & NW 185th Ave. There are 2,363 people who get on or off a bus at this intersection every week. Most of them likely have to walk across this intersection.
2. People having to wait a long time before being able to get a walk signal, crossing very long distances, and being on the watch for motor vehicles making permitted right turns on red at the intersection of NW Evergreen Pkwy. & NW 185th Ave.
3. Pedestrians crossing NW Stucki Ave., mid-block, at the driveway entrance to Tanasbourne Town Center to get to retail located on the other side of the street.
4. People walking in the roadway on NW Walker Rd., where there are no sidewalks, between NW Amberglen Pkwy. & 185th Ave., near Oregon Health & Science University.
5. People with strollers boarding the bus at the corner of NW Evergreen Pkwy. and NW 188th Ave., where there are no bus landing pads.

Tanasbourne Town Center—pedestrian and transit needs

Needs help

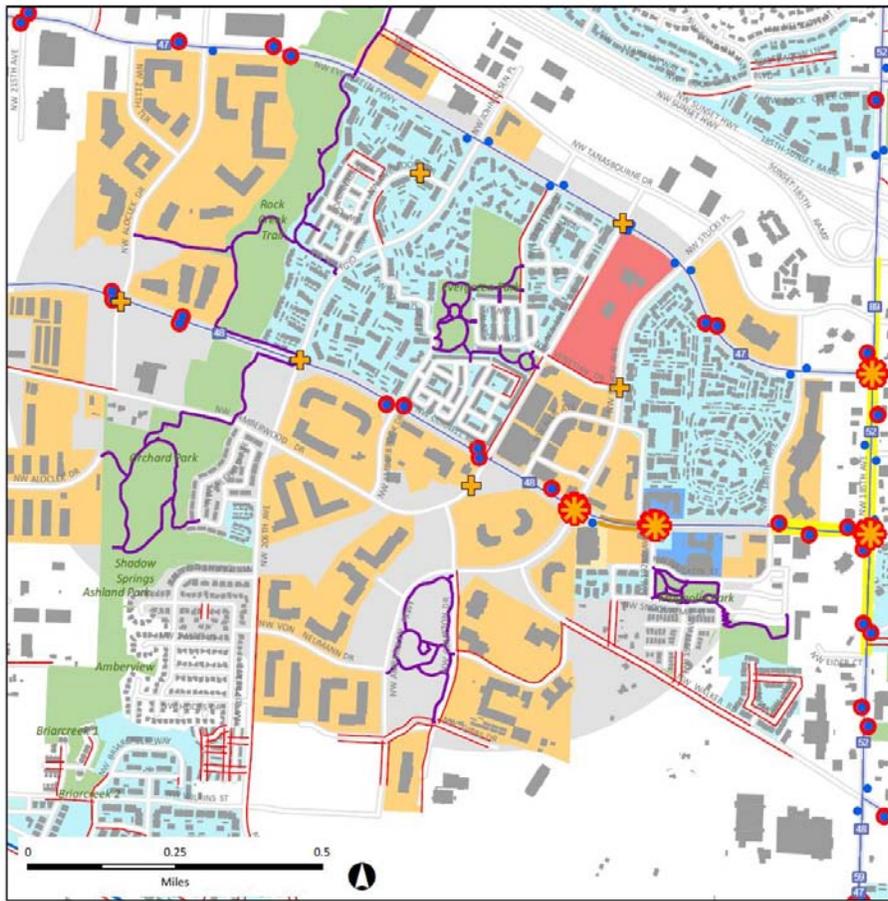


NW Cornell & NW Stucki/Amberglen, near bus Stop ID 10032

Something positive to build from



NW Evergreen Pkwy. & 188th Ave., near bus Stop ID 1159



C. Maher - 1 July 2012 - Focus_Area_Existing_Cond_8.5x11.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.** Shorten crossing distances and provide more time for pedestrians to cross at the intersection of NW 185th Ave. & NW Cornell Rd. All signals should, at a minimum, be timed so people have one second to walk 3.5 ft. Given the intersection's proximity to senior centers and a major retail center, a more appropriate time would be one second for every 2.5 ft. to allow children and senior citizens, who tend to walk more slowly, to cross comfortably under the protection of the walk phase. Consider other signal treatments like leading pedestrian phases, automatic recall for pedestrian actuated signals, and right turn on red restrictions. Curb radius reduction and crossing island treatments should also be considered to shorten crossing distances.
- 2.** Shorten crossing distances and provide more time for pedestrians to cross at the intersection NW 185th & NW Evergreen Pkwy. All signals should, at a minimum, be timed so people have one second to walk 3.5 ft. Given the intersection's proximity to senior centers and a major retail center, a more appropriate time would be one second for every 2.5 ft. to allow children and senior citizens, who tend to walk more slowly, to cross comfortably under the protection of the walk phase. Consider other signal treatments like leading pedestrian phases, automatic recall for pedestrian actuated signals, and right turn on red restrictions. Curb radius reduction and crossing island treatments should also be considered to shorten crossing distances.
- 3.** Consider crossing treatments, like medians with pedestrian refuges, and pedestrian warning signs, like Rectangular Rapid-Flashing Beacons (RRFBs) to assist people with crossing the street at the driveway into the Tanasbourne Town Center on NW Stucki Ave.
- 4.** Build sidewalks along NW Walker Rd., between NW Amberglen Pkwy. & 185th Ave. where there are none. Ensure there is a landscaped buffer between pedestrians and motor vehicles.
- 5.** Provide ADA accessible landing pads at bus stops along Evergreen Pkwy. to makes stops accessible to people using mobility devices.