

## Walking Lab PLAN 639

The route starts on South Columbia Street at the bus stop at the Health Sciences Library. The route then proceeds north on Columbia before turning right at South Road. From there the route continues to the Morehead-Patterson Bell Tower before crossing South Road. It then continues east until reaching Raleigh Street, where the route turns left. The route goes north to the eastern parking lot (ATM Drive) at Davis Library, travels along the edge of the lot, and then turns west at Lenoir Drive, following to the end of the road. Then the route travels through campus before crossing East Cameron Avenue at the crosswalk on the western side of the Play Makers Theater. The route stops at the Old Well. Then it continues down E Cameron before turning right on S Columbia, stopping at the bus stop at Abernathy Hall. You can see the route in Figure 1.

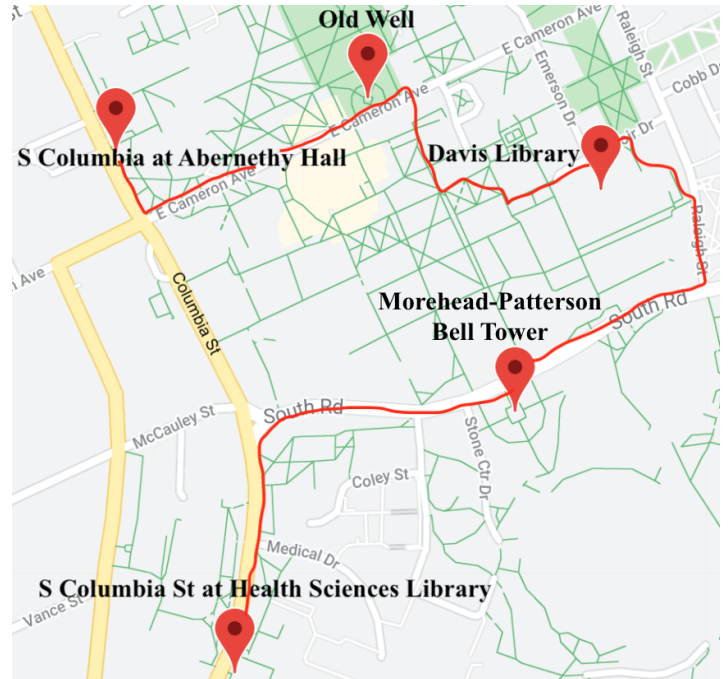


Figure SEQ Figure \\* ARABIC 1: Route Map

### Waypoint 1: S Columbia Street @ Health Sciences Library Bus Stop

Figure 2 shows this waypoint. People at this location are either waiting for the bus or walking through the area. The traffic lane closest to the sidewalk is bus only. If there are multiple buses arriving at or close to the same time, the sidewalk can get congested, potentially making it difficult to travel through the area as a pedestrian. The space appears easy to navigate for everyone.



### Travel Between Waypoint 1 and Waypoint 2

#### **Types of Streets:**

South Columbia Street: one-way arterial (Chapel Hill Map, n.d.)

South Road: bi-directional arterial (Chapel Hill Map, n.d.)

**Travel Modes/Types of Travelers:** buses, cars, bicyclists, pedestrians

**Appropriateness of Street Design for Wheeled Pedestrians:** The design is mostly appropriate for wheeled pedestrians on both S. Columbia St. and South Rd. Design is more appropriate when buffered by vegetation or bollards, and less appropriate when the sidewalk directly borders the road.

There are a couple particularly pleasant areas along the route here, both along S. Columbia St. The first, Figure 3, is where there are hedges and bollards to buffer pedestrians from motor traffic. It makes the area feel much safer than if the sidewalk directly bordered the road. The second, Figure 4, is where the construction driveway is. The surface there is completely smooth

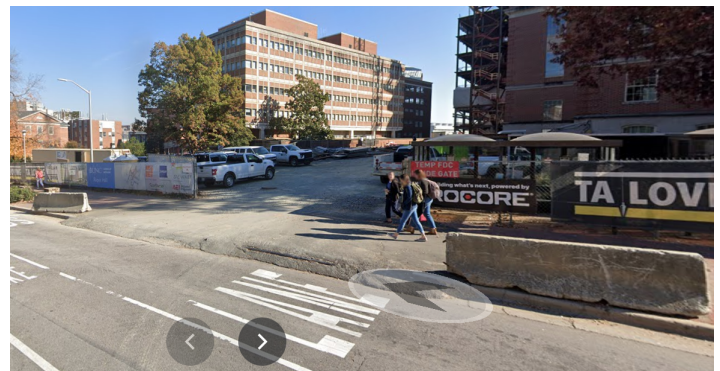
Waypoint 2: Morehead-Patterson Bell Tower

The next waypoint is the Bell Tower, seen in Figure 5. There is not much foot traffic here. Few, if any people, stop to view the Bell Tower. At this location the sidewalk directly borders the street. This location is easy to navigate.

Travel Between Waypoint 2 and Waypoint 3

**Types of Streets:**

South Road: bi-directional arterial (Chapel Hill Map, n.d.)





Raleigh Street: bi-directional collector (Chapel Hill Map, n.d.)

ATM Drive: one-way private (Chapel Hill Map, n.d.)

Lenoir Drive: bi-directional local (Chapel Hill Map, n.d.)

**Travel Modes/Types of Travelers:** buses, cars, pedestrians

**Appropriateness of Street Design**

**for Wheeled Pedestrians:** The design is mostly appropriate for wheeled pedestrians on South Rd. but loses points for directly bordering the street. The same applies on Raleigh St. ATM Drive is designed well. The sidewalk borders parking spaces and speeds are very low. The same applies to Lenoir Dr., except for the very end of it, described below.

There is one very unpleasant area along the route here. At the end of Lenoir Dr. are two handicap parking spaces (seen in Figure 6), with a sidewalk. However, if you follow the sidewalk, it ends at a curb with no curb cut, as seen in Figure 7. To get past it, a wheeled pedestrian must travel through the parking lot, which is not safe, to get to the library.

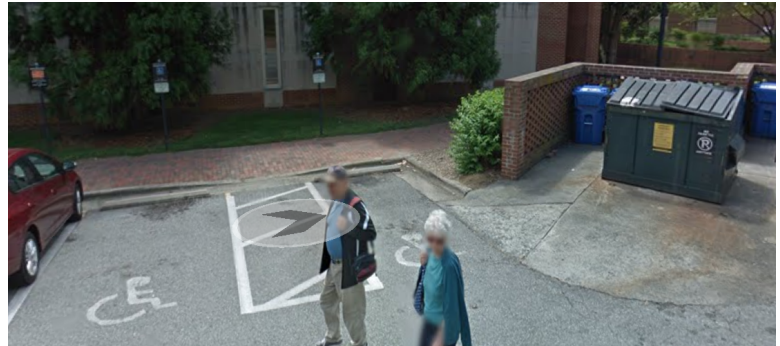


Figure SEQ Figure \\* ARABIC 6: Handicap Parking at Davis Library  
Source: Google Street View



Waypoint 3: Davis Library

The third waypoint is Davis Library, seen in Figure 8. This place is explicitly built



for pedestrians and bicyclists. Cars cannot get to the entrance of the library. This location is easy to navigate.

Figure SEQ Figure \\* ARABIC 8: Davis Library

Source:

<https://thewell.unc.edu/2020/07/10/library-introduces-book-pickup-announces-fall-plans/>

#### Travel Between Waypoint 3 and Waypoint 4

**Types of Streets:** not applicable, these are sidewalks through campus.

**Travel Modes:** pedestrians, bicyclists

**Appropriateness of Design for Wheeled Pedestrians:** Explicitly build for pedestrians. Loose bricks and tree roots under sidewalks make this space not ideal for wheeled pedestrians, but overall, still very manageable.

Route crosses E. Cameron at Play Maker's Theater.

#### Waypoint 4: Old Well

Figure 9 shows the next waypoint, the Old Well. People either stop to look at the Old Well and take photos, or are merely passing by it. This is an easily navigable space. Bollards in front of the Old Well make the space feel safe for pedestrians, and automobile traffic is usually fairly slow.



#### Travel Between Waypoint 4 and Waypoint 5

**Types of Streets:**

East Cameron Avenue:

bi-directional collector (Chapel Hill Map, n.d.)

South Columbia Street: one-way arterial (Chapel Hill Map, n.d.)

**Travel Modes:** buses, cars, pedestrians

**Appropriateness of Design for Wheeled Pedestrians:** E. Cameron Avenue is designed well for all pedestrians. The speed on the street is low, and the sidewalk is buffered from the street by a planting strip that is several feet wide. Design is less appropriate on S.



Columbia St. There is still a planting strip on the majority of the sidewalk, but speeds are higher on this street.

#### Waypoint 5: S Columbia @ Abernethy Hall Bus Stop

Figure 10 shows the final waypoint, the bus stop at Abernethy Hall. Most people are traveling through this area, except for those waiting for the bus. It is not a difficult to navigate space. Those passing through travel on the backside of the bus stop, separated from the street by several feet.



### Bibliography

*Town of Chapel Hill Interactive Map.* (n.d.). Retrieved January 19, 2022, from

<https://www.arcgis.com/apps/webappviewer/index.html?id=7c0b17839ad142178172ac4cc82e13b6>