



STAUNTON BIKE & PEDESTRIAN PLAN

Improving Accessibility in Staunton

PUBLIC MEETING I / OPEN HOUSE

March 22nd, 2017

6pm-8pm (Presentation from 6:30-7:00pm | Open House from 7:00-8:00pm)

AGENDA

6:00 PM

Sign-In & Welcome

Visit Stations

6:30 PM - 7:00 PM

Bicycle and Pedestrian Master Plan

Project Presentation

7:00 PM - 8:00 PM

Information, Ideas, & Conversation

Q&A Session, Visit Stations

PROJECT BACKGROUND

- Currently, Staunton lacks a Bicycle and Pedestrian Plan.
- The City has received a planning grant from the Virginia Office of Intermodal Planning & Investments (OIPI) to develop a Bicycle & Pedestrian Plan.
- The Staunton Strategic Bicycle & Pedestrian Plan will:

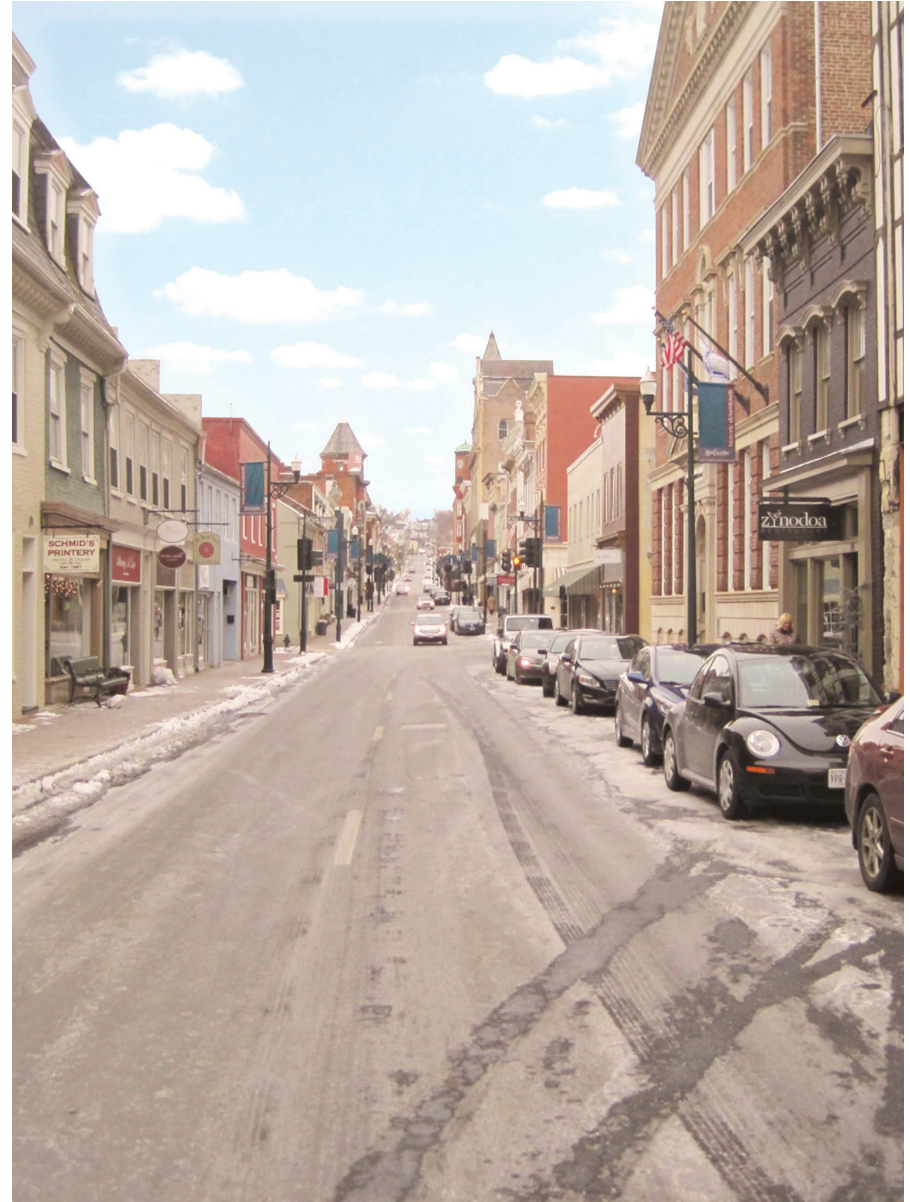
1 Connect key destinations and resources in the City.

2 Identify “strategic corridors” for bicycle and pedestrian infrastructure improvements.

3 Provide direction and guidance for the construction of future facilities.

WHAT IS AN URBAN DEVELOPMENT AREA?

- The UDA Program has been active since 2010.
- Urban/Village Development Area benefits:
 - » Preserve significant natural areas
 - » Present development patterns that respond to demographic and market shifts
 - » Support a variety of travel options (auto, bus, walk, bike, etc.)
 - » Provide priority consideration for transportation funding



STAUNTON'S URBAN DEVELOPMENT AREA

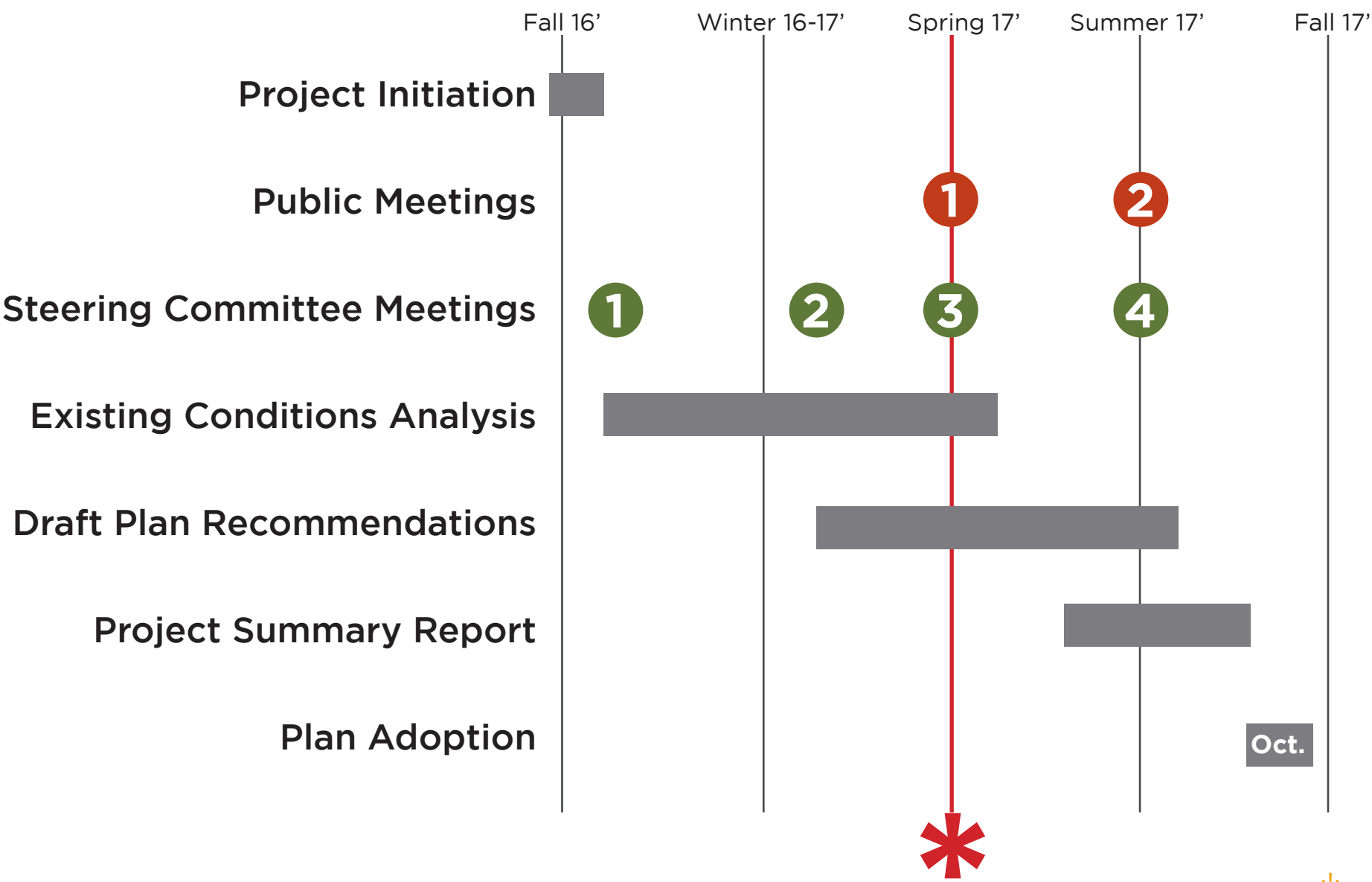


THE PROJECT TEAM



RHODESIDE & HARWELL
(Planning + Urban Design)

PROJECT SCHEDULE



CHALLENGES & OPPORTUNITIES



EXISTING CHALLENGES TO WALKING & BIKING IN STAUNTON



HIGH TRAFFIC ROADWAYS



PHYSICAL HAZARDS



LACK OF ADA COMPLIANCE



LACK OF NETWORK



NARROW ROADS

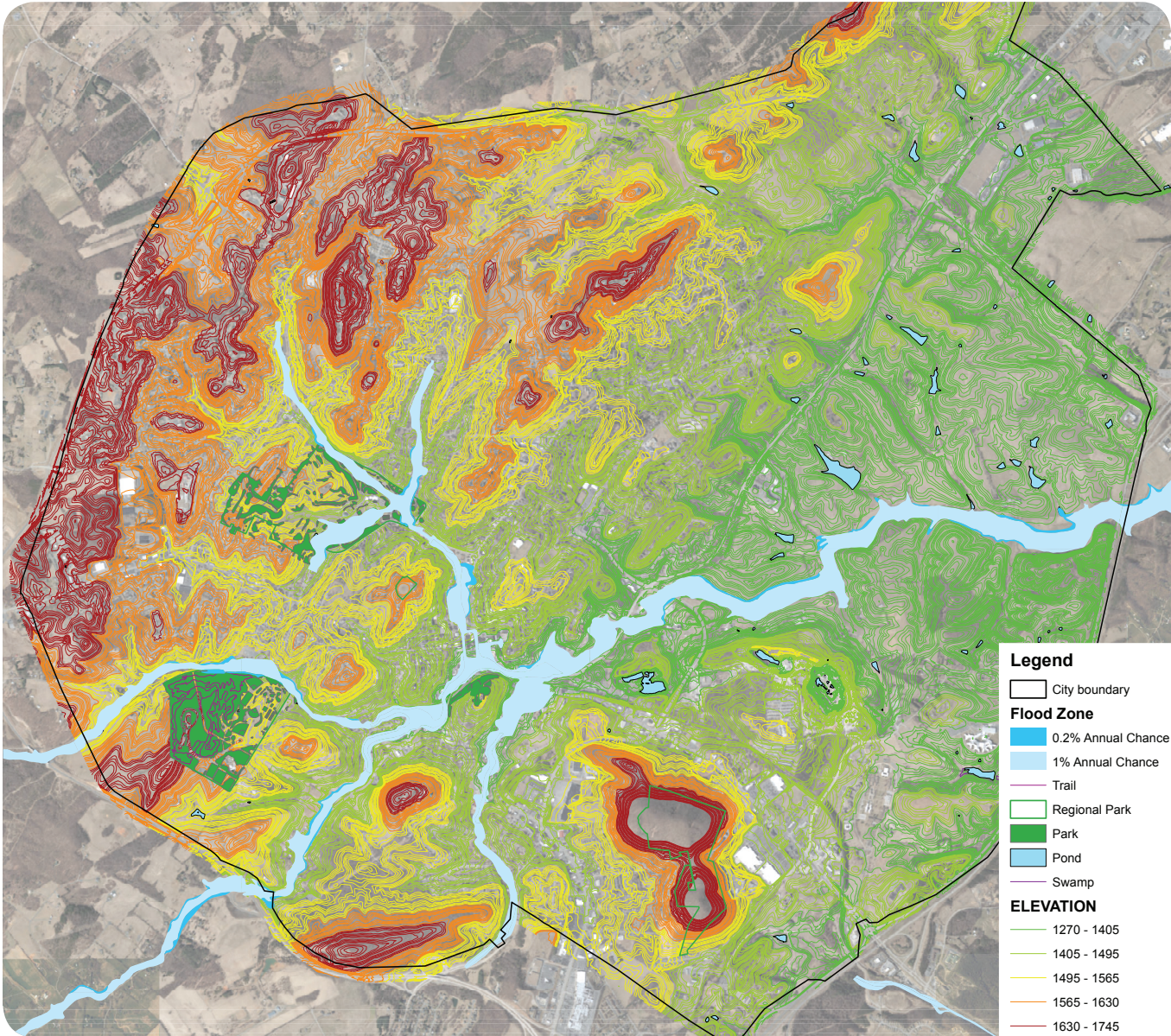


LACK OF AMENITIES

EXISTING CHALLENGES TO WALKING & BIKING IN STAUNTON



TOPOGRAPHY



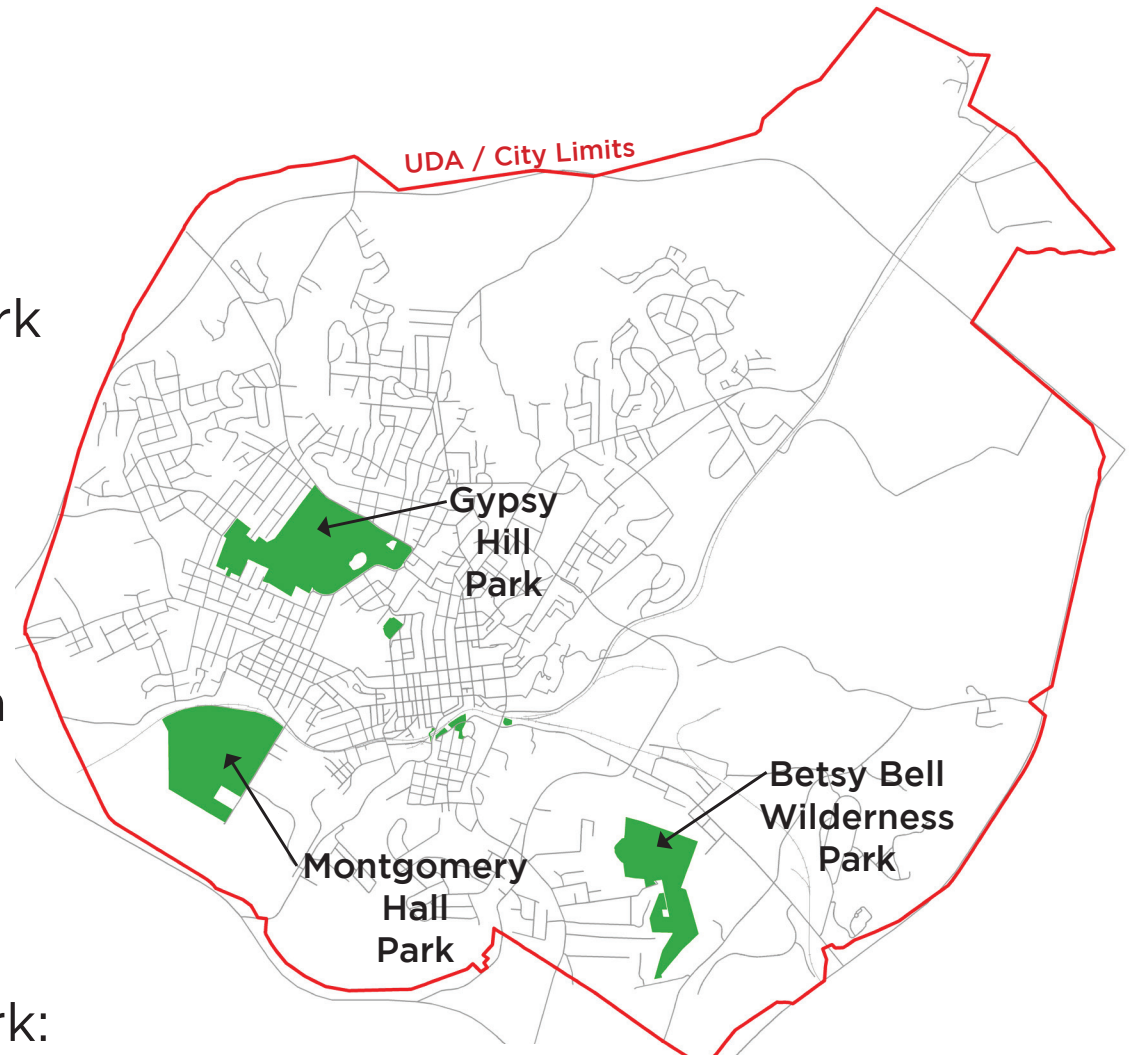
THE BENEFITS OF WALKABLE/BIKEABLE CITIES

- 1** Increased transportation options
- 2** Reduced traffic congestion
- 3** Decreased air, water, and noise pollution
- 4** Improved safety for all road users
- 5** Improved community health
- 6** Stimulation of the local economy
- 7** Increased opportunities for tourism

EXPLORE OPPORTUNITIES TO CONNECT: **PARK, OPEN SPACE, & CULTURAL AMENITIES**

Local

- Gypsy Hill Park
- Action Skate Park
- Montgomery Hall Park
- Betsy Bell Wilderness Park
- Landes Park
- Woodrow Park
- Reservoir Hill Park
- Men's Green Thumb Park
- Knoles Park
- Frontier Cultural Museum



Regional / National

- Shenandoah National Park:
a nearby regional / national
destination

EXPLORE OPPORTUNITIES TO CONNECT: NEIGHBORHOODS AND DISTRICTS

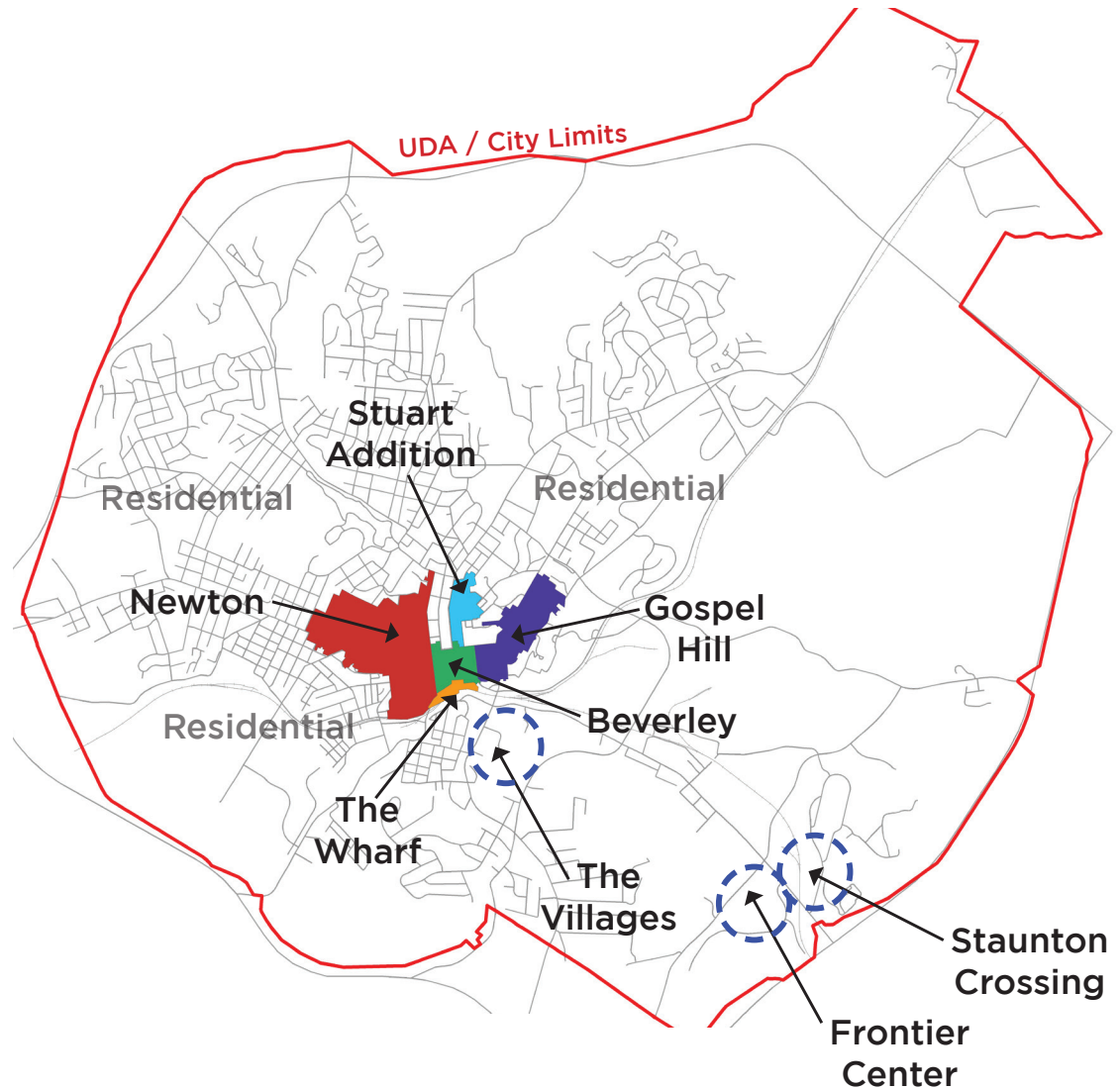
Historic Districts

- Beverly (Downtown)
- Gospel Hill
- Newtown
- Stuart Addition
- The Wharf

Established Neighborhoods

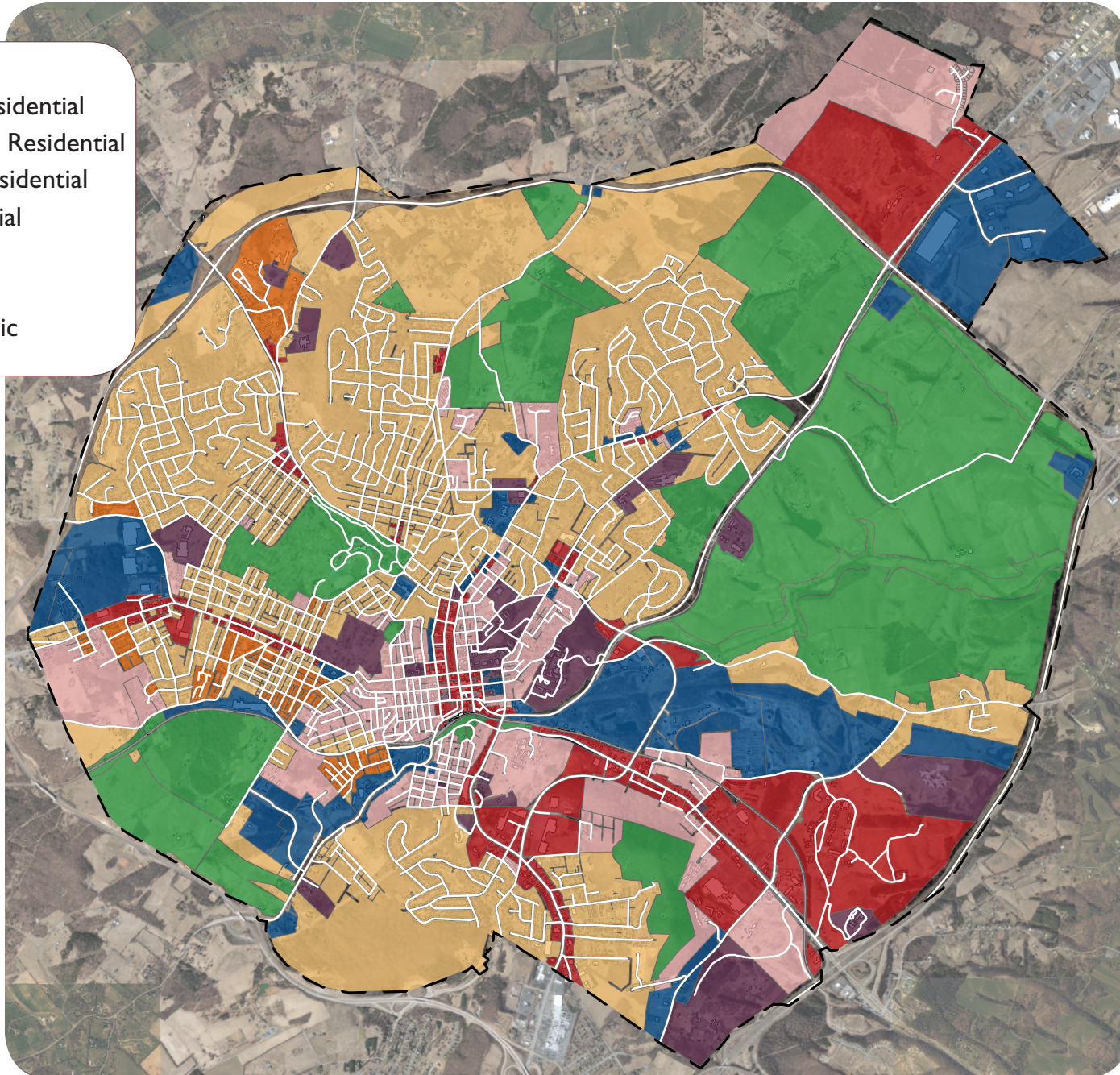
Future Neighborhoods

- The Villages
- Frontier Center
- Staunton Crossing

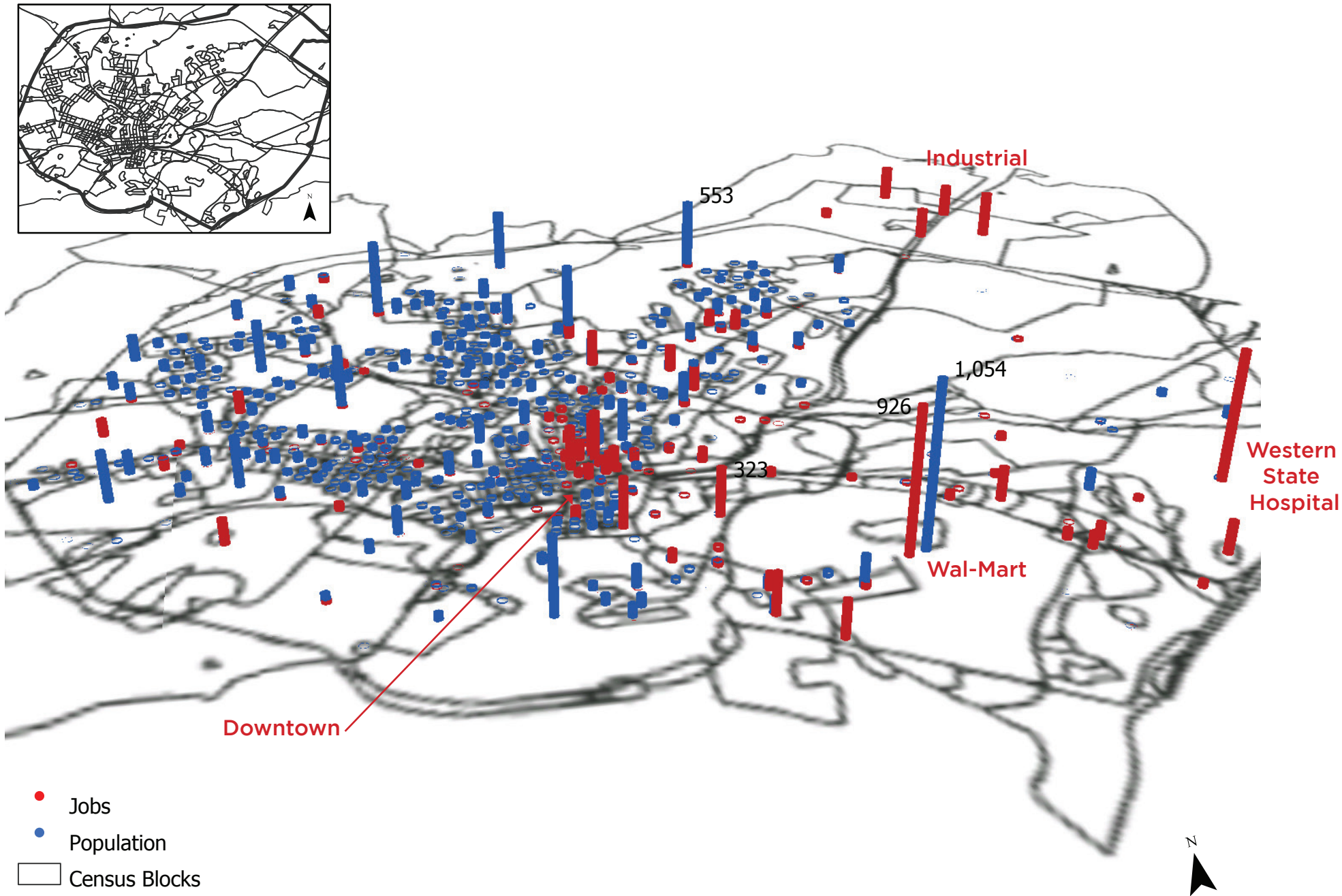


EXPLORE OPPORTUNITIES TO CONNECT: **LAND USES**

- Low Density Residential
- Medium Density Residential
- High Density Residential
- Business/Industrial
- Commercial
- Open Space
- Public/Semi-public

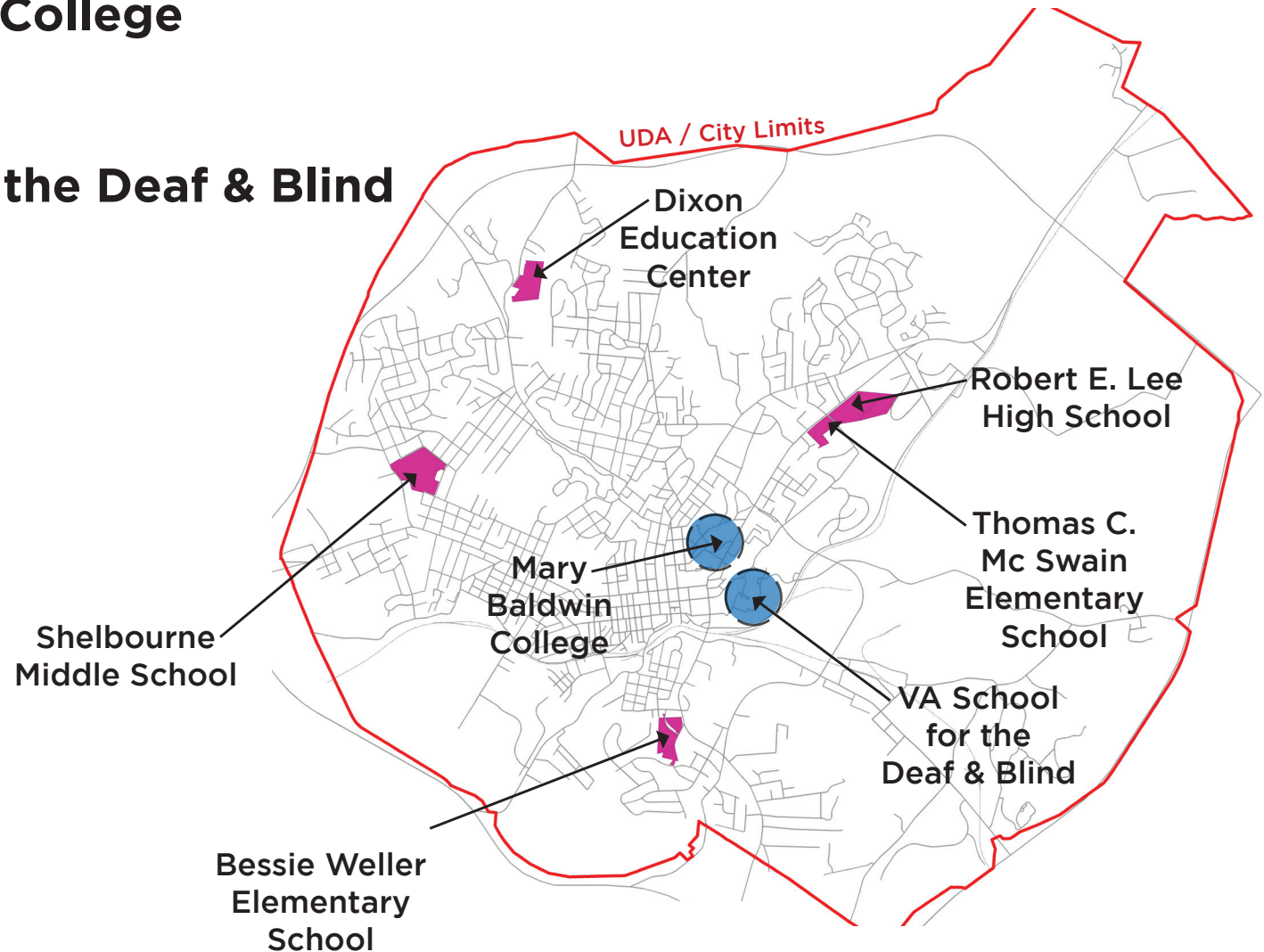


EXPLORE OPPORTUNITIES TO CONNECT: RESIDENTS + EMPLOYMENT CENTERS



EXPLORE OPPORTUNITIES TO CONNECT: EDUCATION CENTERS

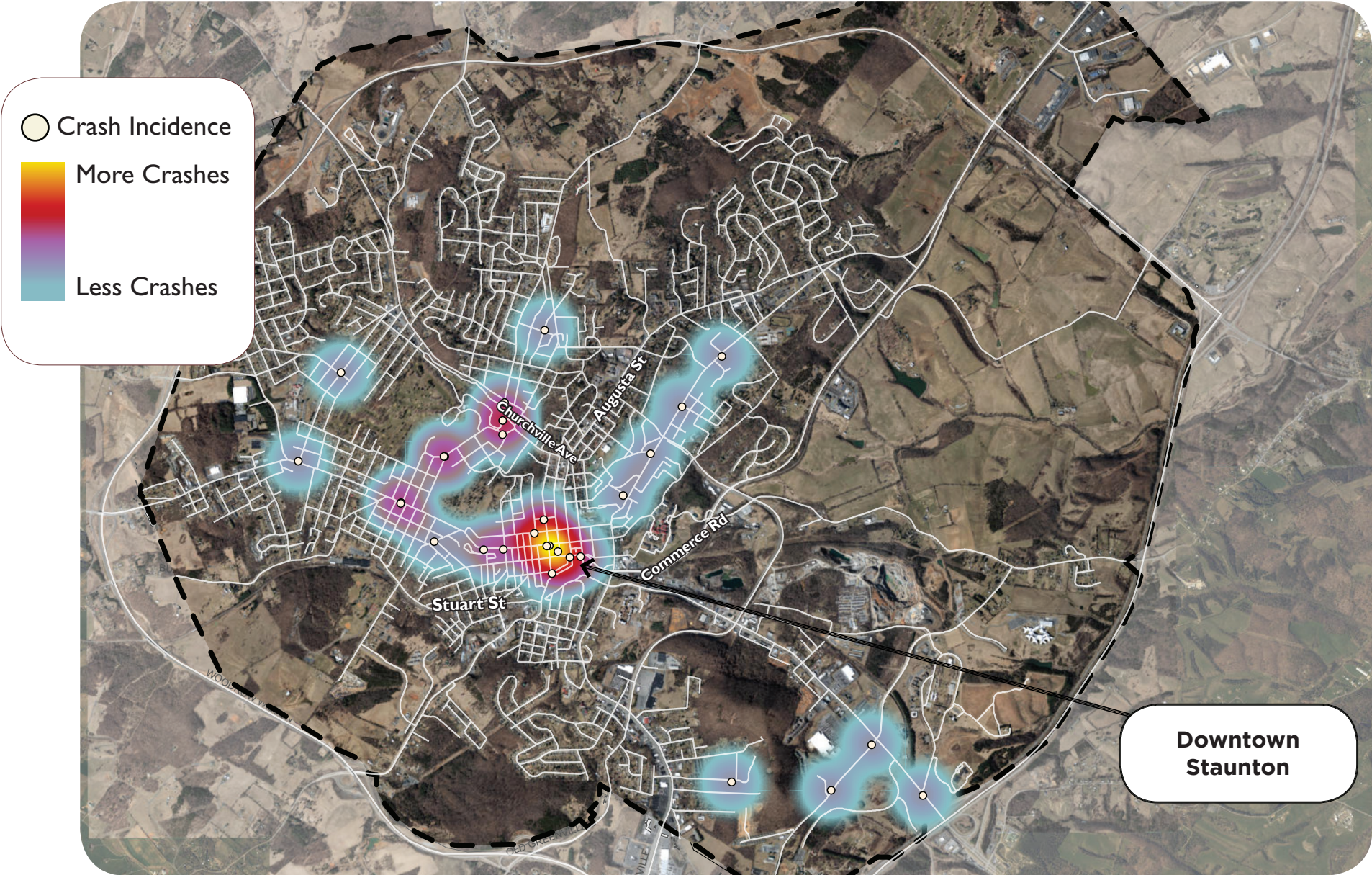
- **Mary Baldwin College**
- **VA School for the Deaf & Blind**
- **Local Schools**



EXPLORE OPPORTUNITIES TO CONNECT: **TRANSPORTATION**

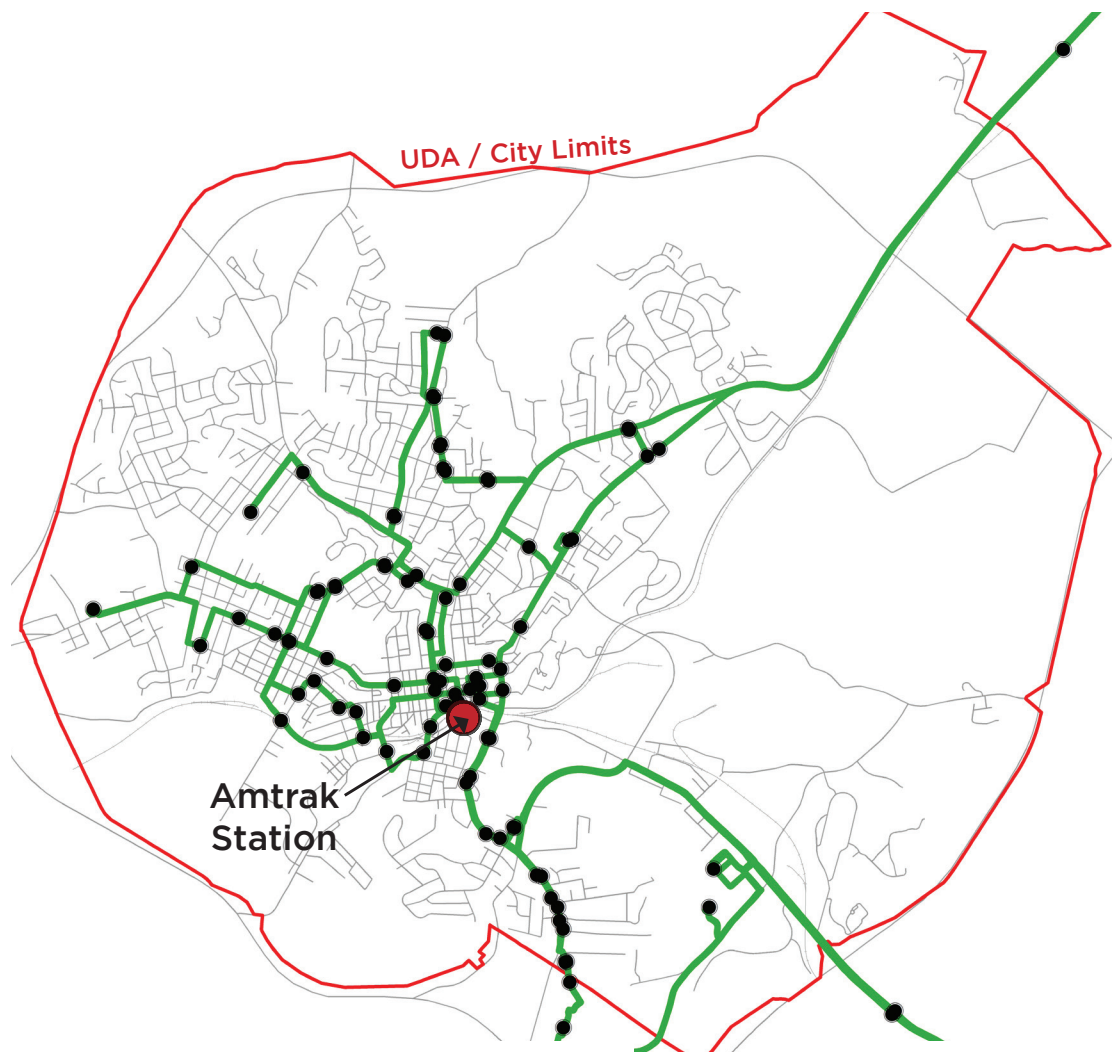


EXPLORE OPPORTUNITIES TO CONNECT: SAFETY



EXPLORE OPPORTUNITIES TO CONNECT: THE EXISTING MULTI-MODAL TRANSPORTATION NETWORK

- **Brite Bus Transit Service**
- **Amtrak**



PROJECT GOALS

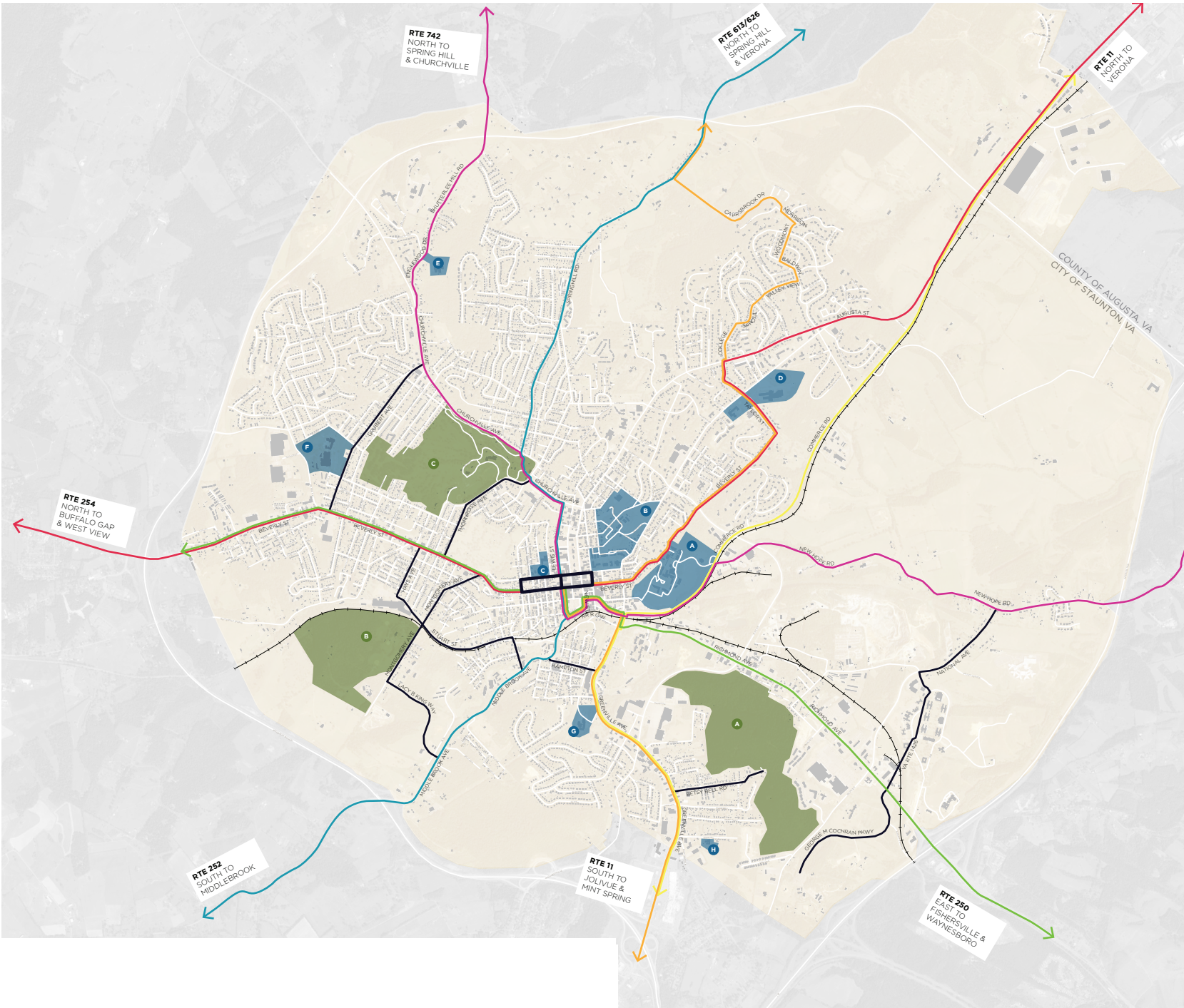
1. Ensure that key corridors are able to accommodate a **variety** of transportation modes (driving, walking, biking).
2. Create safe and convenient bicycle and pedestrian **networks** that connect people to neighborhoods, destinations, and transit.
3. Explore opportunities to **connect parks, open spaces, and cultural amenities.**
4. Explore opportunities to **connect existing and proposed neighborhoods and districts.**
5. Explore opportunities to **connect residents with employments centers.**
6. Explore opportunities to **connect education centers.**

PROJECT GOALS

- 7. Increase options for people to walk and ride bicycles **for recreation and to recreation resources** (e.g., parks).
- 8. Support a **range of users** by considering variations in physical abilities, perceptions of safety, trip types, and trip purposes of different users.
- 9. Identify ways that the **built environment** can better support bicycle and pedestrian movement.
- 10. Explore opportunities to **mediate steep topography** for easier bicycling and walking

MAKE CONNECTIONS!

DRAFT STRATEGIC CORRIDORS (BIKE NETWORK)



BIKE CORRIDORS

- ORANGE
- GREEN
- YELLOW
- PINK
- RED
- BLUE
- PURPLE

CORRIDOR LINKS

- NAVY - ROUTE CONNECTIONS
- NAVY - DOWNTOWN CONSOLIDATED ROUTES

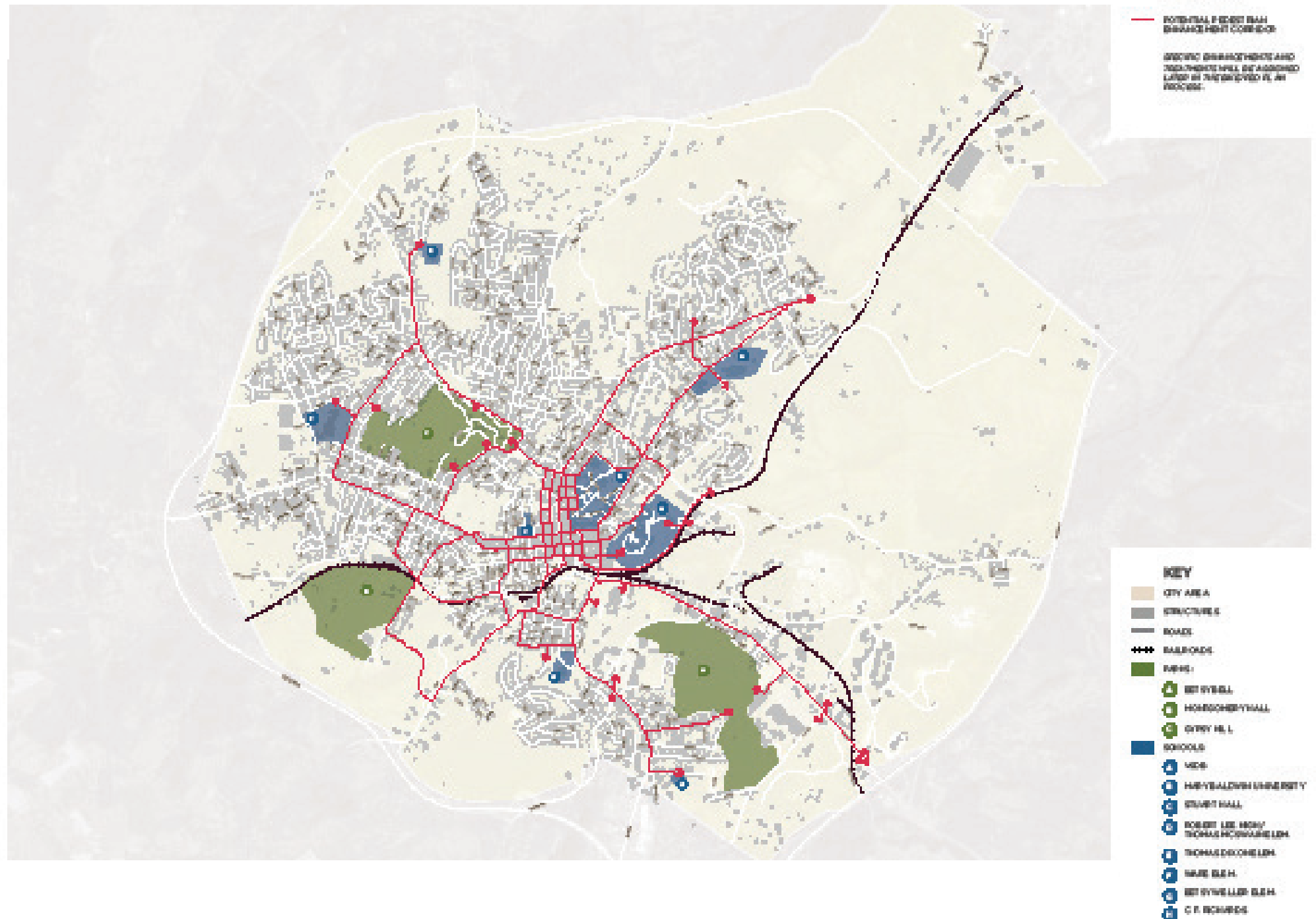
SPECIFIC ENHANCEMENTS AND TREATMENTS WILL BE ASSIGNED LATER IN THE BIKE/PED PLAN PROCESS.

KEY

- CITY AREA
- STRUCTURES
- ROADS
- RAILROADS
- PARKS:
 - A BETSY BELL
 - B MONTGOMERY HALL
 - C GYPSY HILL
- SCHOOLS:
 - A VSDB
 - B MARY BALDWIN UNIVERSITY
 - C STUART HALL
 - D ROBERT LEE HIGH/ THOMAS MCSWAIN ELEM.
 - E THOMAS DIXON ELEM.
 - F WARE ELEM.
 - G BETSY WELLER ELEM.
 - H C. F. RICHARDS

MAKE CONNECTIONS!

DRAFT STRATEGIC CORRIDORS (PED. NETWORK)



BEST PRACTICES IN BICYCLE & PEDESTRIAN PLANNING



VIBRANT COMMUNITIES ENCOURAGE BIKING & WALKING



Recreation

- Enjoyment
- Health / Lifestyle



Transportation

- Alternate Mode of Transportation
- Primary Mode of Transportation
- Environmental Stewardship

BICYCLE PLANNING: FOUR TYPES OF BICYCLISTS



**Strong & Fearless
(Experienced)**

- Will ride regardless of road conditions



**Enthusied & Confident
(Moderate)**

- Attracted to dedicated bike facilities
- May be hindered by trip distances or absence of facilities



**Interested but
concerned
(Beginner)**

- Will ride under conditions where they feel safe and separate from vehicles



No way, no how!

- Limited previous exposure to bicycling
- No discernible interest in biking

TYPES OF BIKE FACILITIES



Sharrows

- Indicates roadway is shared by bicycles and vehicles
- Streets with low-speed and low-volume traffic
- Can be used where limited road width cannot accommodate other bike facilities



Bike Lanes

- Striping separates marked bicycle lane from vehicular traffic
- Appropriate for streets with posted traffic speeds of 25-35 mph



Buffered Bike Lanes

- Painted buffer zone separates bike lane from vehicular traffic
- Appropriate for streets with high-speed or high-volume traffic

TYPES OF BIKE FACILITIES



Protected Bike Lanes

- Bike lane is protected by a physical barrier between the lane and vehicular traffic (flexible posts, bollards, planters, or a raised median)
- Can be “two-way”
- Appropriate for streets with high-speed or high-volume traffic

RHODESIDE & HARWELL



Shared Use Path

- Two-way path is shared by bikes and pedestrians
- Path is separated from the road by a curb and may include a planted buffer strip between the path and the roadway
- Centerline may be used to divide users by their direction of travel



ENHANCED BIKE FACILITIES



'Super' Sharrow



Painted Bike Lanes



Bike Boxes



Bike Signals



Road Crossings

BIKE AMENITIES



Parking



Shelters



Storage



Bike Share



Repair Stations

PEDESTRIAN FACILITIES/AMENITIES



Continuous Sidewalks



Crosswalks/Intersections



ADA-Compliance



Curb Bump-outs



Median Refuges

OTHER PEDESTRIAN AND BICYCLE AMENITIES



Yield Roadway



Advisory Shoulder



Pedestrian Lane



Paved Shoulder



Bike Boulevard



Bike Climbing Lanes

OTHER AMENITIES FOR A VARIETY OF PEOPLE



Path Lighting



Furnishings



Shade Trees



Wayfinding



Trail Signage



Education

We know that it takes more than bike lanes and sidewalks to support to support a walkable and bikeable city.

CREATE A GREAT PUBLIC REALM



INFORMATION, IDEAS, & CONVERSATION



INTERACTIVE STATIONS

- 1** What is the Bicycle & Pedestrian Plan?
- 2** Existing Conditions / Opportunities & Constraints
- 3** Draft Strategic Corridors
- 4** Best Practices in Bicycle and Pedestrian Planning

- Browse information stations
- Ask questions
- Let us know your thoughts

DON'T FORGET!

Coming Soon!

Visit the City's new website to keep informed

Complete the online survey (coming soon!)

<http://www.staunton.va.us/>

Questions?