

Fifth Avenue Redesign

Completion of Phase 1 of Youngstown SMART² Network

October 2021

Project Goals

Efficient Multimodal Transportation

- “Complete Streets” design - Accommodate the needs of motorists, users of public transit, pedestrians, and bicyclists.

Improve Health and Safety

- “Active Transportation Corridor” - Create safer infrastructure for pedestrians and bicyclists, thereby encouraging healthier and greener alternatives to reliance upon motor vehicles.
- Improve overall mobility.
- Reduce vehicle lanes (“Road Diet”) to the numbers justified by current and anticipated traffic volumes, thus shortening pedestrian crossing distances, and install center medians to calm traffic.

Green Infrastructure

- Reduce negative impacts upon the environment.

Improve Visual Appeal

- Create a memorable first impression on a primary gateway route to YSU and Downtown.

Project Features

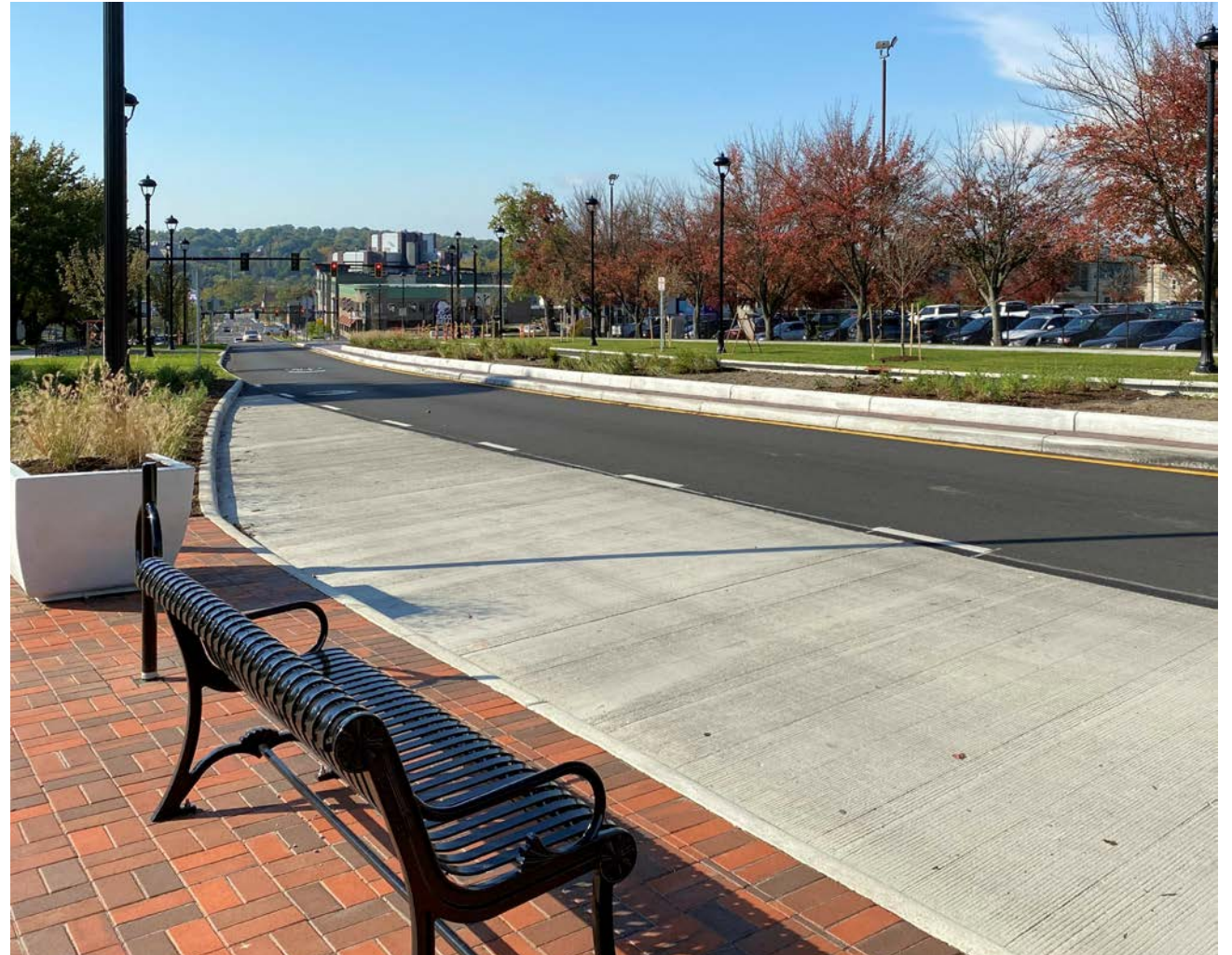
Medians

- Medians have a calming effect on motorists and serve to reduce excessive speed, thus enhancing safety for all transportation modes.
- Double medians serve to direct pedestrians to proper crossing locations.
- Medians offer decorative landscaping opportunities and improve the aesthetic qualities of this prominent gateway route to YSU and Downtown.
- Median shown is between McDonalds and Stambaugh Stadium.



Bus Stop Pullouts

- Bus stop pullout lanes allow for safe loading/unloading of passengers, without holding up traffic.
- Bus stops include inlaid brick surface, benches, bike racks, and decorative planters.
- Bus stop shown is adjacent to the YSU Recreation and Wellness Center.



Crosswalks

- Crosswalks feature signal-on-demand buttons for pedestrians.
- LED cross/don't-cross indicators feature a countdown timer display, prior to signal change.
- Crosswalks are indicated by contrasting, decorative inlays, providing a prominent visual cue for motorists to the potential presence of pedestrians, while also contributing to the overall design aesthetic.
- Signal actuator button shown located at Lincoln intersection. Crosswalk shown located between Stambaugh Stadium and Covelli Sports Complex.



Bicycling

- Signal-mounted traffic sensors also detect the presence of bicycles at intersections, unlike traditional coil sensors embedded in pavement which only detect motor vehicles.
- “Sharrow” markers on pavement indicate to motorists that the lane is to be shared with bicyclists. Accompanying signs indicate that bicyclists may use the whole lane, when necessary.
- Bicyclists are also able to use the multi-use path/sidewalk on the east side of Fifth Avenue.
- Traffic sensor shown located at Arlington intersection. Sharrow shown located north of Arlington.



Green Lighting

- Street lamps feature high-efficiency LED bulbs.
- All light emissions are directed downward, reducing nighttime light pollution.
- Street lamp shown located at YSU Recreation and Wellness Center bus stop pullout.



Storm Water Management

- Landscaped retention areas manage storm water runoff during heavy rain events, taking pressure off the City storm sewers.
- Potential for flooding and backup is reduced.
- Sediment and pollutants are diverted away from storm sewers and waterways.
- Retention area shown is adjacent to Stambaugh Stadium.



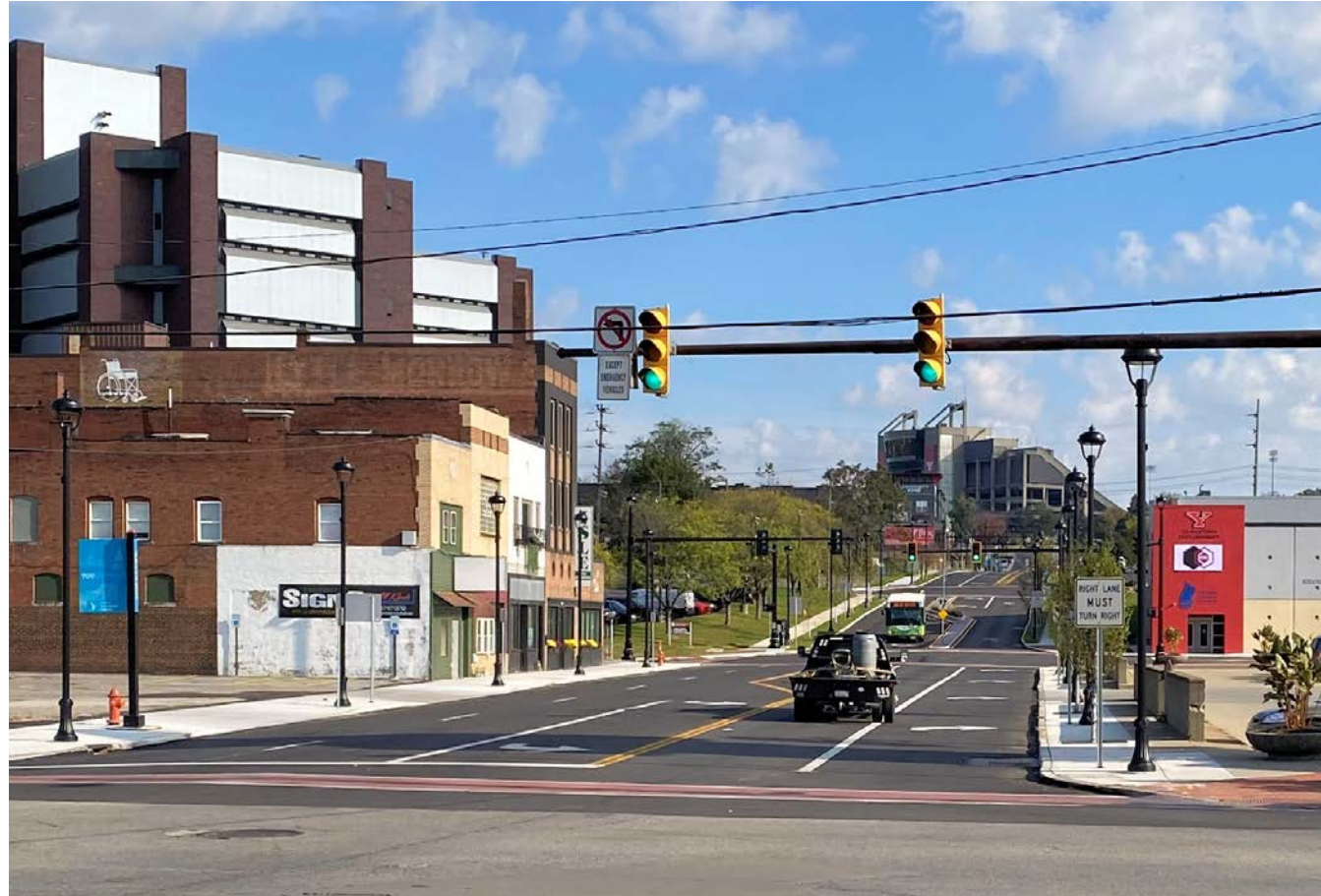
Curbside Landscaping

- Curbside landscaping provides a safety buffer between motorists and pedestrians, in addition to adding to the overall project design aesthetic.
- Landscaping also provides opportunities for absorption of precipitation and reduction and filtering of storm water runoff.
- Landscaping shown is located just downhill of Taco Bell.



Project Tour

W. Federal Intersection – Looking North



W. Federal to W. Commerce – Looking North



W. Commerce to W. Wood – Looking North



W. Wood to W. Rayen – Looking North



W. Rayen to Lincoln – Looking North



Lincoln to Arlington – Looking North



Arlington to Armed Forces – Looking North



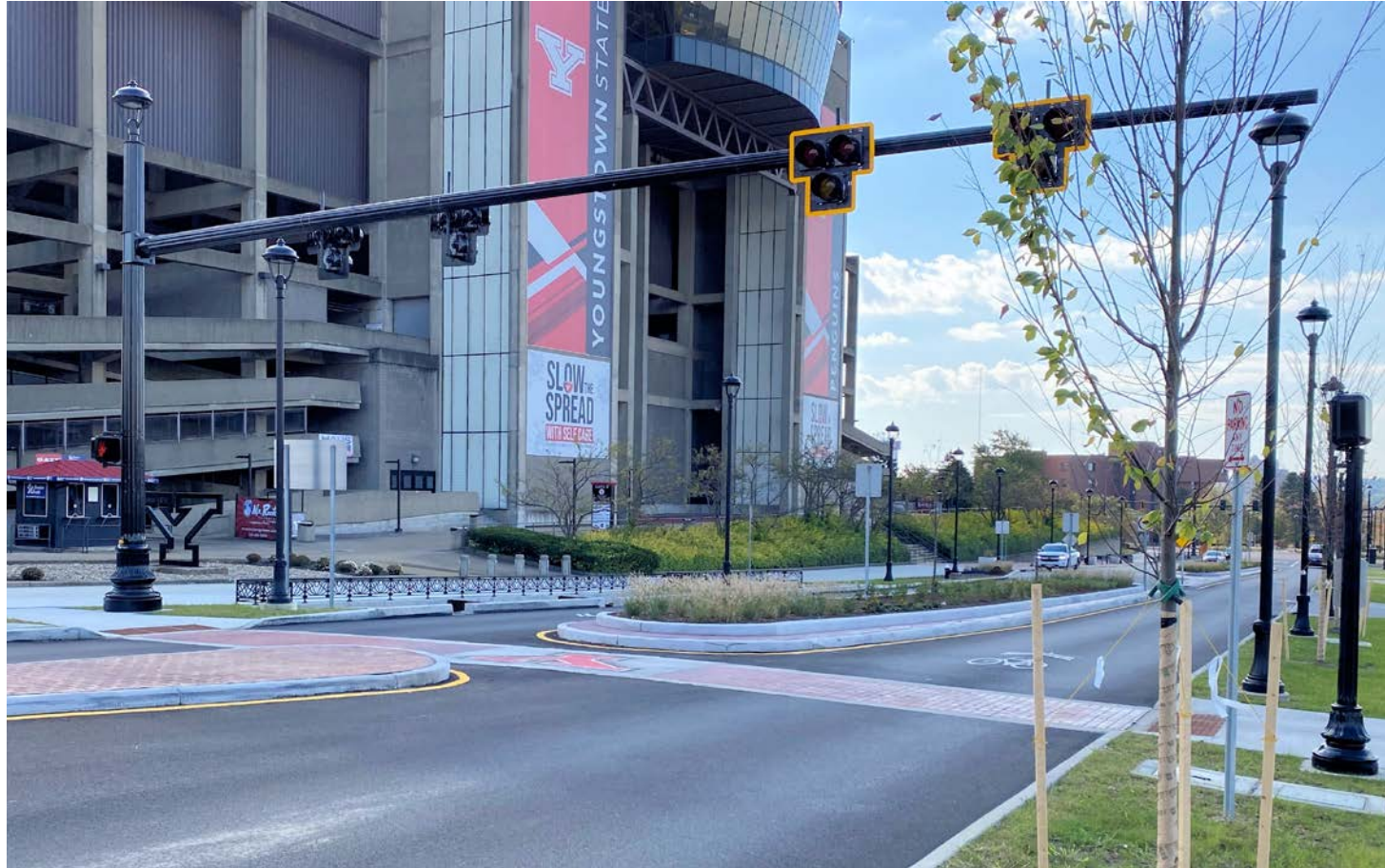
Armed Forces Intersection – Looking North

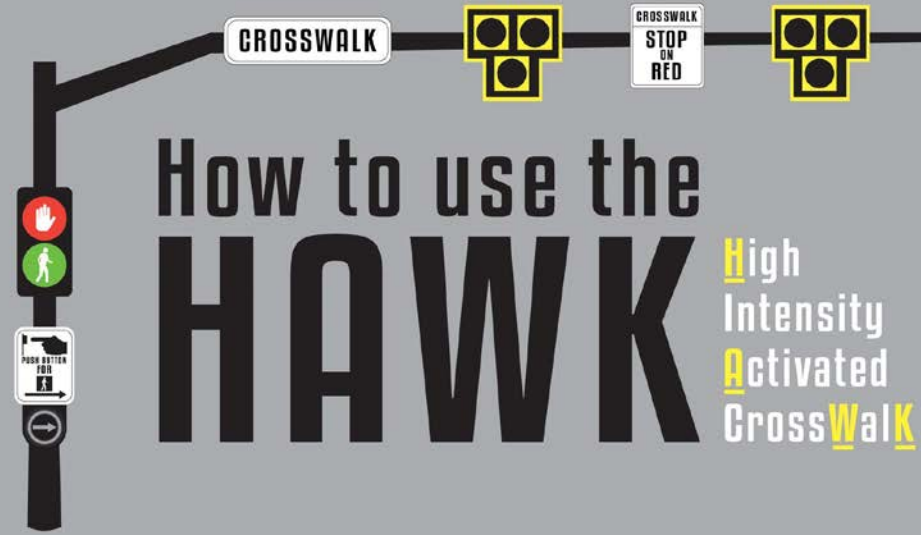


Armed Forces to EB Service – Looking North



Stadium Crosswalk w/ HAWK Signal – Looking South





How to use the HAWK

High
Intensity
Activated
CrossWalk

PEDESTRIANS

SEE THIS

DO THIS



**PUSH THE
BUTTON**



STOP & WAIT
for the WALK signal.



START CROSSING
Always watch for cars.



**FINISH
CROSSING**

DRIVERS

SEE THIS

DO THIS



DRIVE
Always look for people
who plan to cross.



SLOW DOWN
A person has activated
the push button.



**PREPARE TO
STOP**



STOP
for pedestrian.
(As with any signal
RED means STOP)



STOP FIRST
Proceed with caution
if no people are present.