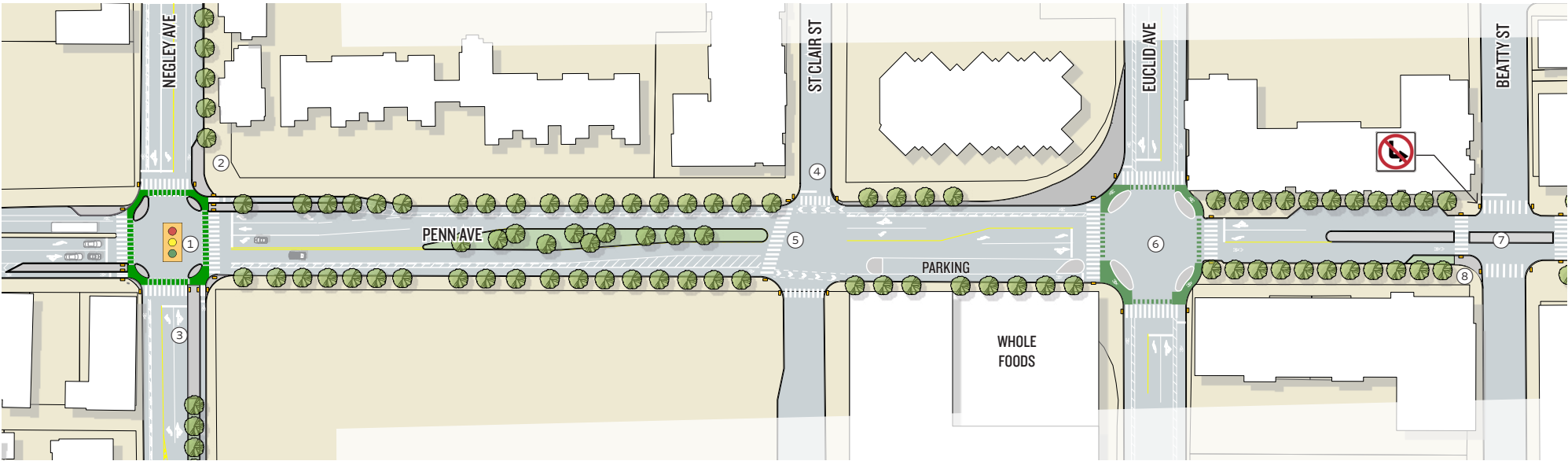


Block by Block Recommendations | Negley Ave to Beatty Street



Intersection	Existing Safety Issues	Safety Recommendations (Reference #)
Penn & Negley	<ul style="list-style-type: none"> 13 crashes with no pedestrian incident Unsafe Pedestrian Crossings Cars not yielding to bikes 	<ol style="list-style-type: none"> Enhanced Protection for pedestrian and bicyclist with geometric design, upgraded signal, and improved intersection lighting Provide Curb extensions with planting & green infrastructure*. Route bike lanes behind bus stops Remove concrete median and adjust natural flow
Penn & St Clair	<ul style="list-style-type: none"> 1 crash with no pedestrian incident Unsafe pedestrian Crossing 	<ol style="list-style-type: none"> Hi Viz crosswalk Remove eastbound left turn lane and create pedestrian refuge island. Install bus shelter at existing bus stop
Penn & Euclid	<ul style="list-style-type: none"> 4 crashes with no pedestrian incident Part of Penn Circle Conversion 	<ol style="list-style-type: none"> Enhanced protection for pedestrian and bicyclist with geometric design
Penn & Beatty	<ul style="list-style-type: none"> 13 crashes with no pedestrian incident Beatty St. thru traffic Unsafe pedestrian crossing 	<ol style="list-style-type: none"> Diverter in the intersection, add pedestrian refuge area on Penn Ave Curb extension
Penn Ave- Negley to Euclid	<ul style="list-style-type: none"> Separation of bicyclists from the traffic 	Provide protected barriers in the bike lane buffer zone

Key

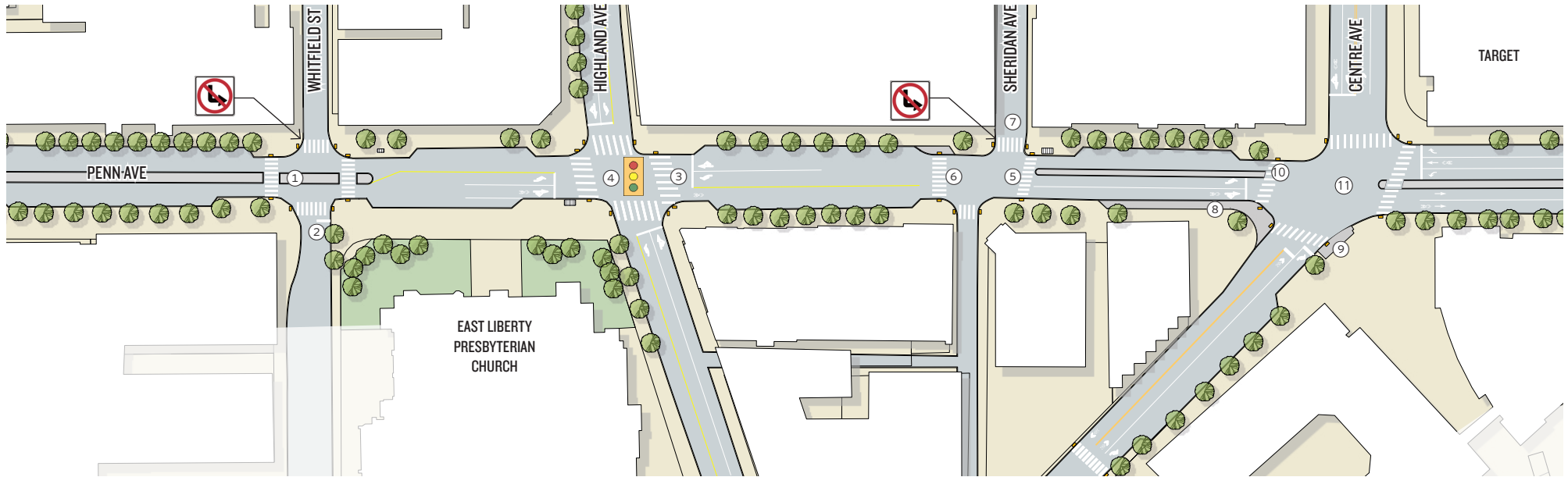
- New Signal
- Bike Lane
- ADA Ramp
- Bus Shelter
- Bike Lane Barriers
- Crosswalk
- Street Tree

Crash data is from 2017-2021 collected from Pennsylvania Crash Information Tool (PCIT)
 *Subject to PWSA approval.



Image showing precast concrete bike lane barriers

Block by Block Recommendations | Whitfield St to Centre Ave



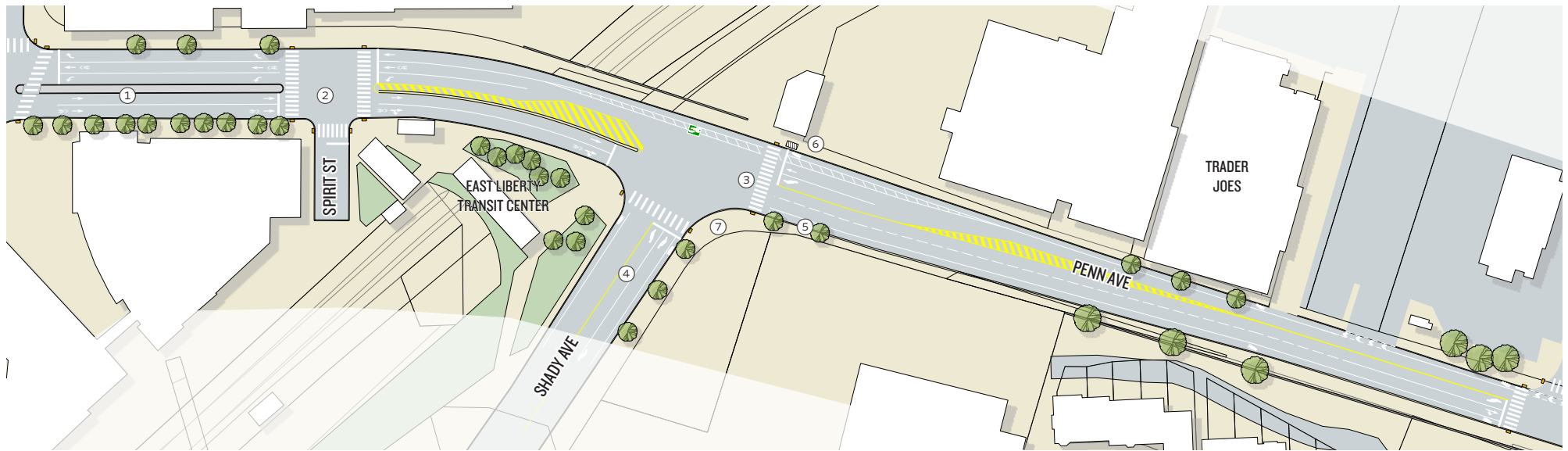
Intersection	Existing Safety Issues	Safety Recommendations (Reference #)
Penn & Whitfield	<ul style="list-style-type: none"> 2 vehicular and 1 pedestrian crashes Unsafe pedestrian crossing Vehicles turning left can not see through traffic to enter into the road safely 	<ol style="list-style-type: none"> Upgrade curb ramps. Add Ped refuge area on Penn Avenue. Reinstall crosswalks to meet new curb ramps. Make Whitfield Street right turn only
Penn & Highland Ave	<ul style="list-style-type: none"> 6 vehicular and 4 pedestrian crashes Signal not meeting city standard Unsafe pedestrian Crossing 	<ol style="list-style-type: none"> Hi Viz crosswalk Update signals and curb ramps
Penn & Sheridan	<ul style="list-style-type: none"> 1 vehicular crash with no pedestrian incident Unsafe pedestrian crossing Vehicles turning left can not see through traffic to enter into the road safely 	<ol style="list-style-type: none"> Upgrade crosswalks and ramps Add second crossing. Remove one parking space Add Right turn only signs
Penn & Centre	<ul style="list-style-type: none"> 14 vehicular and 3 pedestrian crashes Unsafe pedestrian crossing Traffic backs up through intersection 	<ol style="list-style-type: none"> Eliminate right turn lane to shorten crosswalks Move cross walk closer to intersection and remove plants that impact visibility Provide a mountable concrete island to separate traffic Re-time signal with enhanced pedestrian safety treatment (Leading Thru Interval treatment)

Key

- New Signal
- ADA Ramp
- Bus Shelter
- Bike Lane Barriers
- Bike Lane
- Crosswalk
- Street Tree

Crash data is from 2017-2021 collected from Pennsylvania Crash Information Tool (PCIT)

Block by Block Recommendations | Spirit St to Shady Ave



Intersection	Existing Safety Issues	Safety Recommendations (Reference #)
Penn & Spirit	<ul style="list-style-type: none"> 2 crashes with no pedestrian incidents 	<ol style="list-style-type: none"> Continue painted median through intersection. Install Hi Viz crosswalks
Penn & Shady	<ul style="list-style-type: none"> 4 vehicular and 3 pedestrian crashes Tight bus turns Long, non-straight pedestrian Crossing Unsafe bike connection 	<ol style="list-style-type: none"> Move crosswalk Adjust pavement markings to have constant lane widths for the northbound side, making southbound wider at the intersection and improve turning space for buses Remove median and add bike lanes Add bus shelter Add a pedestal signal head on the SW corner facing North to add a phase into the signal for left turning bikes

N

Key

New Signal

Bike Lane

ADA Ramp

Crosswalk

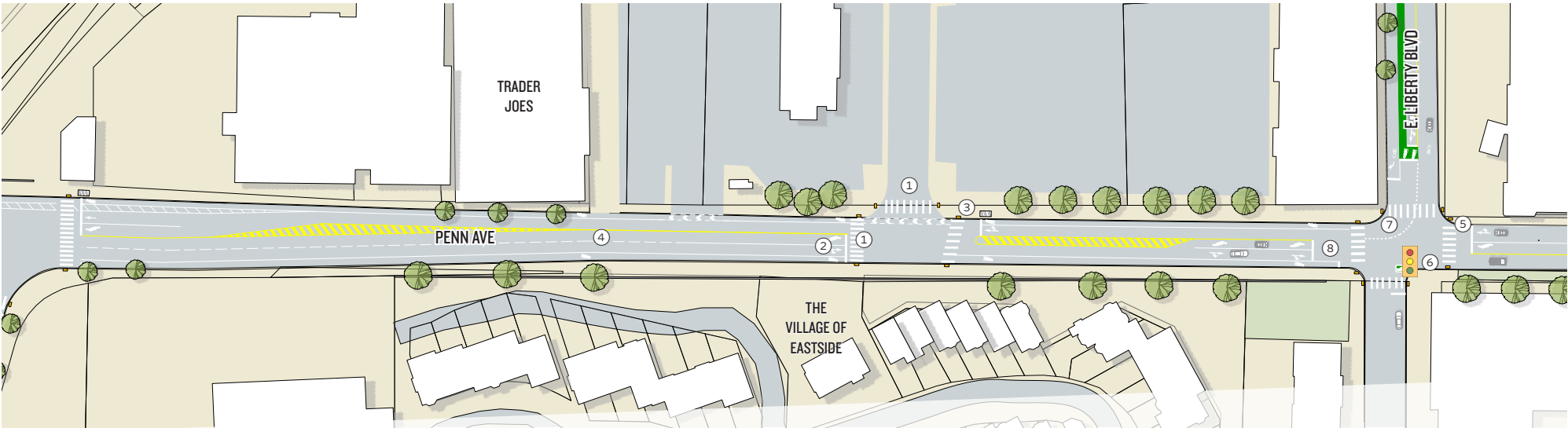
Bus Shelter

Street Tree

Bike Lane Barriers

Crash data is from 2017-2021 collected from Pennsylvania Crash Information Tool (PCIT)

Block by Block Recommendations | Penn Ave at East Liberty Blvd



Intersection	Existing Safety Issues	Safety Recommendations (Reference #)
Driveway into The Village of Eastside	<ul style="list-style-type: none"> 5 crashes with no pedestrian incidents Inadequate bus facilities 	<ol style="list-style-type: none"> 1. Install Hi Viz crosswalks 2. Add center turn lane with bike lanes along the curb 3. Install new bus shelter with necessary modification of the sidewalk
Penn Ave between E Liberty Blvd & Shady Ave	<ul style="list-style-type: none"> Unsafe bike connections 	<ol style="list-style-type: none"> 4. Road diet Penn Ave to three lanes to accommodate bike facilities. Consider modification to the north curb line to allow for 6’ bike lanes with a 3’ buffer.* *More evaluation and coordination with abutting property owner needed
Penn & E Liberty Blvd	<ul style="list-style-type: none"> 20 vehicular and 1 pedestrian crashes (highest crash rate in study area) Pedestrian Crossing concerns. Poor pedestrian visibility. Signage faded. Signal is damaged. 	<ol style="list-style-type: none"> 5. Update ADA ramps and include audible pedestrian signals 6. Upgrade signal 7. Install dotted trace line for those turning from Penn to E Liberty 8. Install center turn lane, move traffic away from curb and install bike lanes. Add flashing yellow arrows and lagging left turns for both Penn Ave directions.
		Ensure necessary safe transitions of the cyclists from directional bike lanes to the Penn Ave cycle track east of East Liberty Blvd.

Key

- New Signal
- ADA Ramp
- Bus Shelter
- Bike Lane Barriers
- Bike Lane
- Crosswalk
- Street Tree

Crash data is from 2017-2021 collected from Pennsylvania Crash Information Tool (PCIT)