

# Champlain Parkway Project Burlington, Vermont

## Project Update Meeting Ward 6 NPA

Dormition of the Theotokos Greek Orthodox Church

600 South Willard Street

Thursday, October 3, 2019

7:00 p.m.



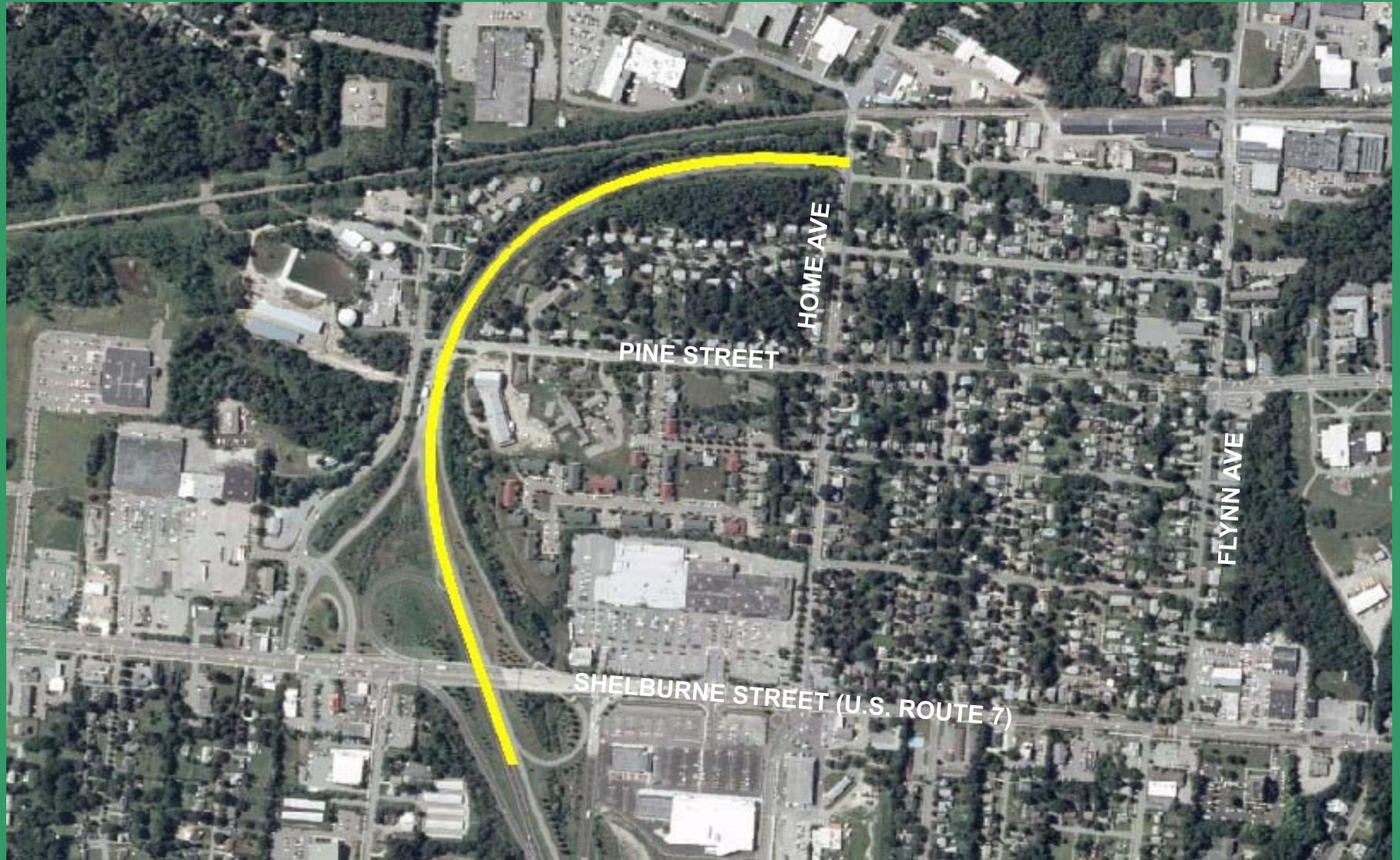
# Project Area



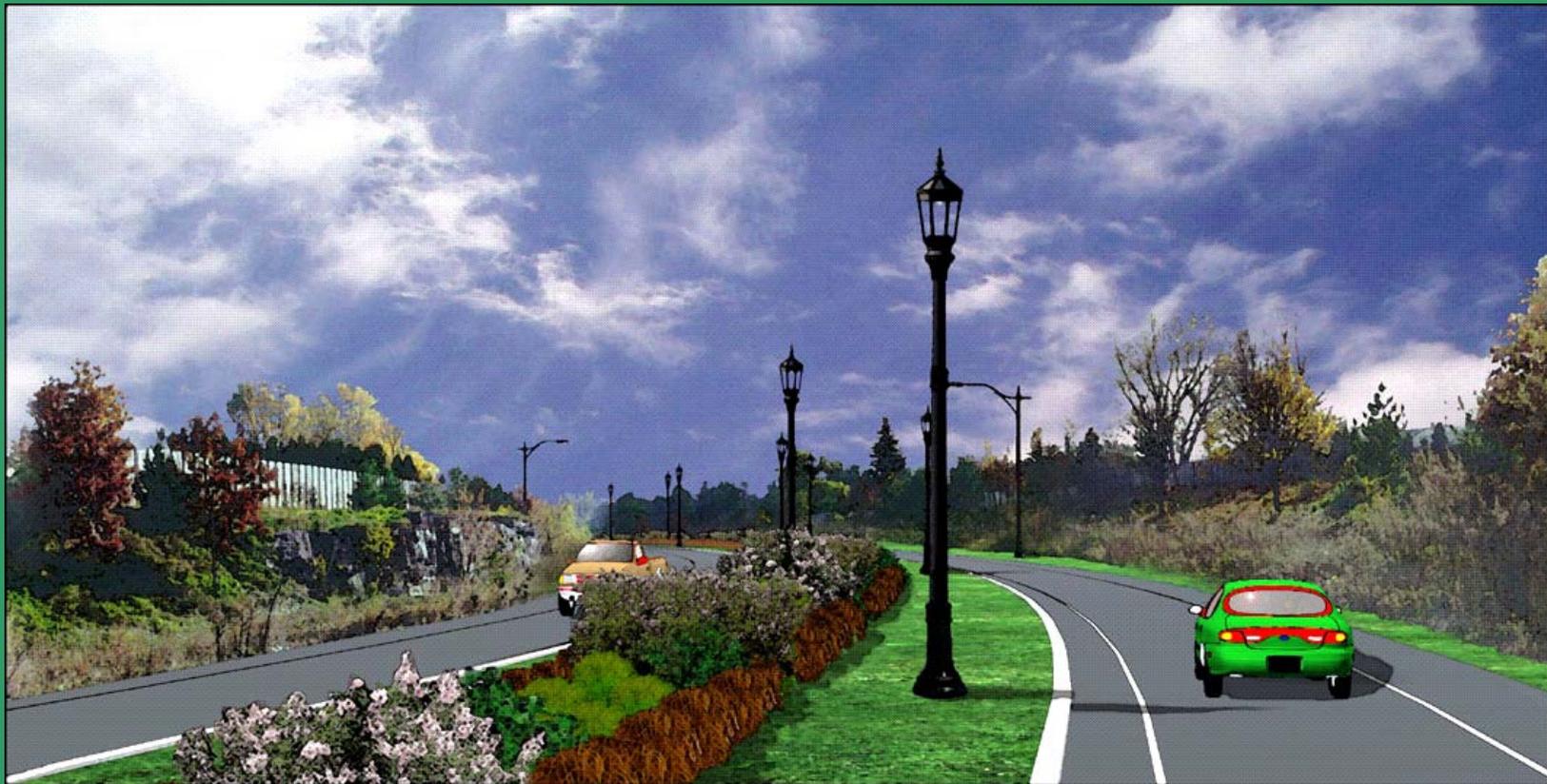
# Project Goals

- Improve access from the I-189/U.S. Route 7 interchange to the Burlington City Center District and the downtown waterfront area
- Improve circulation, improve mobility, improve safety on local streets in the project study area
- Provide traffic relief in the southwestern quadrant of the City of Burlington
- Reduce disruption to local neighborhoods and separate the local and through-traffic
- Reduce truck traffic from the local street network

# Interchange Area



# Interchange Area Proposed Condition



# Home Avenue to Lakeside Avenue



# Project Description

- **Home Avenue to Lakeside Avenue:**
  - **New 25 mph City street**
  - **2-lanes with left-turn lanes at intersections**
  - **Traffic signals at Home Avenue, Flynn Avenue and Sears Lane with four quadrant sidewalk ramps**
  - **New granite curb on both sides of Parkway protecting shared-use path or sidewalk**
  - **10 ft wide separated bituminous concrete bicycle/pedestrian shared-use path**
  - **Lighting and landscaping**
  - **On-street bicycle accommodations**

# Home Avenue to Lakeside Avenue Proposed Condition



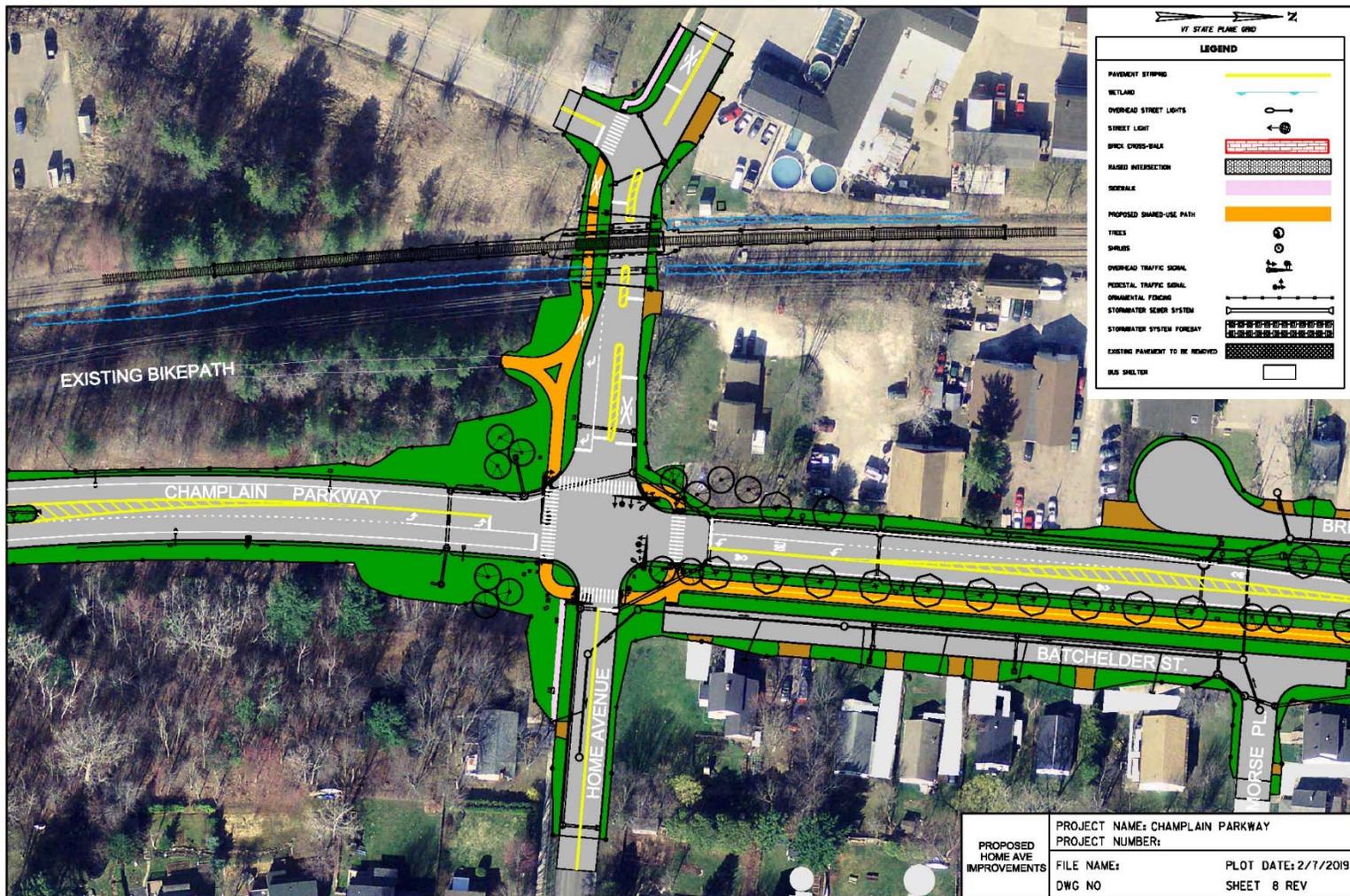
# Design Elements

- **Improvements to stormwater**
  - **Englesby Brook Sediment Load Reduction**
  - **Reduction of stormwater flow directed to City's Treatment Plant**
- **Highway-rail grade crossing improvements at Home Avenue, Flynn Avenue, Sears Lane, Maple Street and King Street crossings**

# Rail Crossing - Home Avenue



# Rail Crossing - Home Avenue



# Rail Crossing - Flynn Avenue



# Rail Crossing - Flynn Avenue



# Lakeside Avenue & Pine Street



# Project Description

- **Lakeside Avenue and Pine Street:**
  - Utilizes existing City streets
  - Lakeside Avenue reconstruction and drainage improvements
  - New granite curb on both sides of Lakeside Avenue protecting shared-use path or sidewalk
  - New 10 ft wide separated asphalt bicycle/pedestrian shared-use path along the northern side of Lakeside Avenue from the Parkway to Pine Street
  - Continuous 5 ft (minimum width) concrete sidewalk along the southern side of Lakeside Avenue

# Project Description

- **Lakeside Avenue and Pine Street (continued):**
  - **Repaving Pine Street**
  - **New 7” tall granite curb on both sides of Pine Street protecting shared-use path or sidewalk**
  - **Continuous 5 ft (typical width) concrete sidewalk along the eastern side of Pine Street (exception of 40 ft near large ash tree protected with curb extensions)**
  - **New 10 ft wide separated asphalt bicycle/pedestrian along the western side of Pine Street from Lakeside Avenue to Kilburn Street**
  - **Continuous 5 ft (minimum width) concrete sidewalk along the western side of Pine Street from Kilburn Street to Main Street**
  - **Raised intersections at Howard Street, Marble Avenue and Kilburn Street**

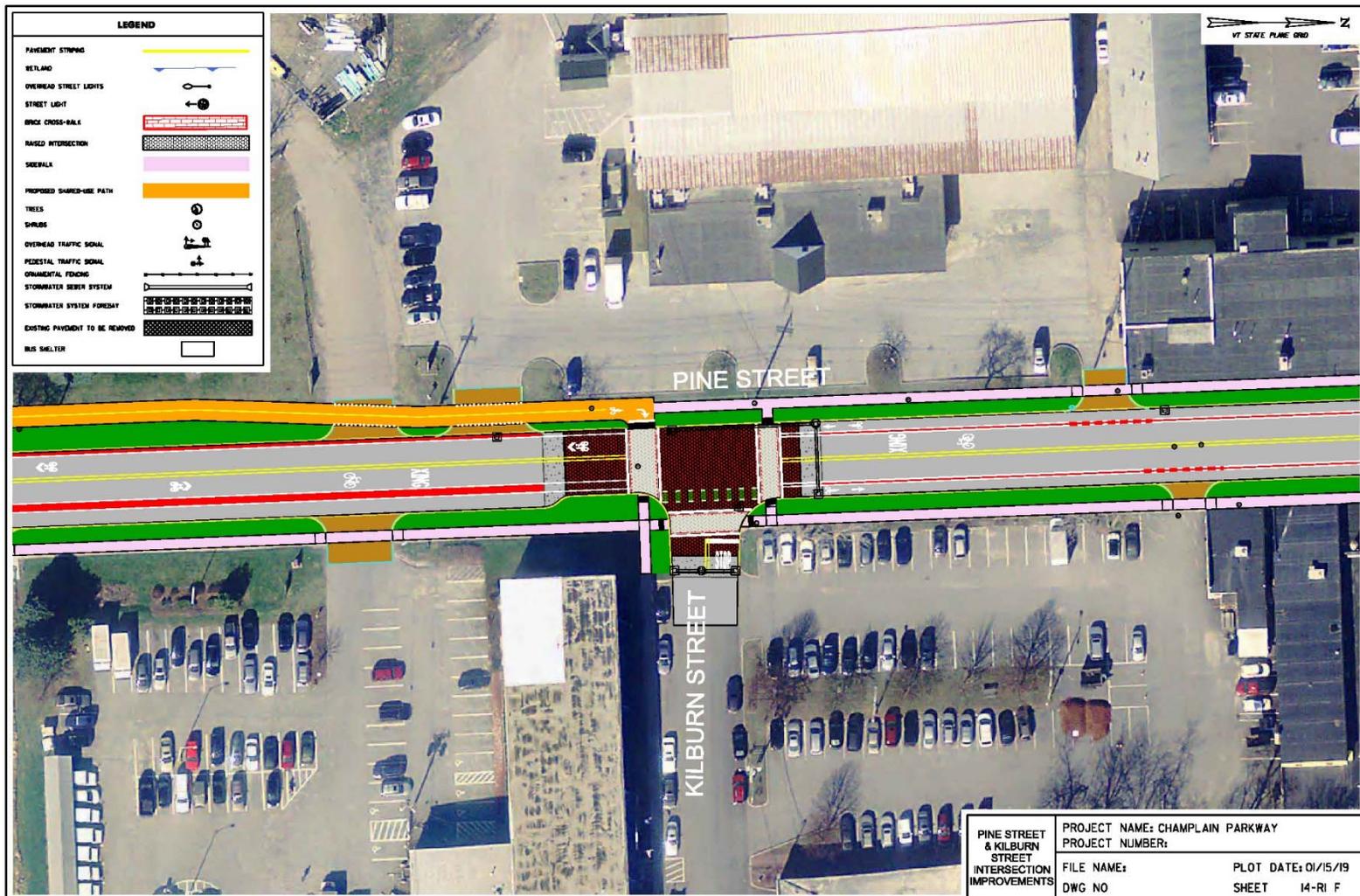
# Pine Street



# On-Street Bicycle Accommodations



# On-Street Bicycle Accomodations



# Create Continuous Pedestrian Facilities



# Replace Existing Sidewalk & Ramps



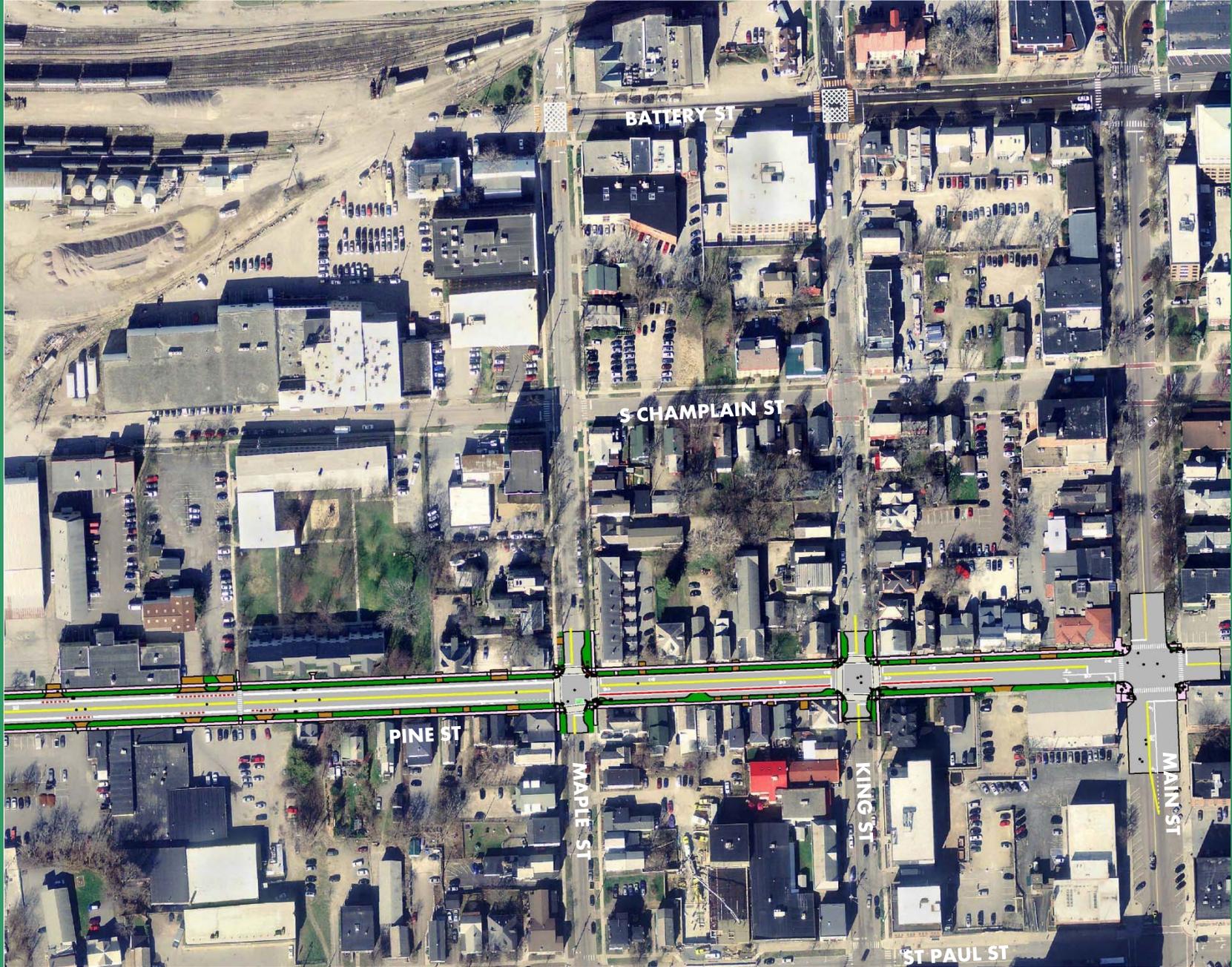
# Rectangular Rapid Flashing Beacons



# Raised Intersection Examples



# King Street and Maple Street Neighborhood



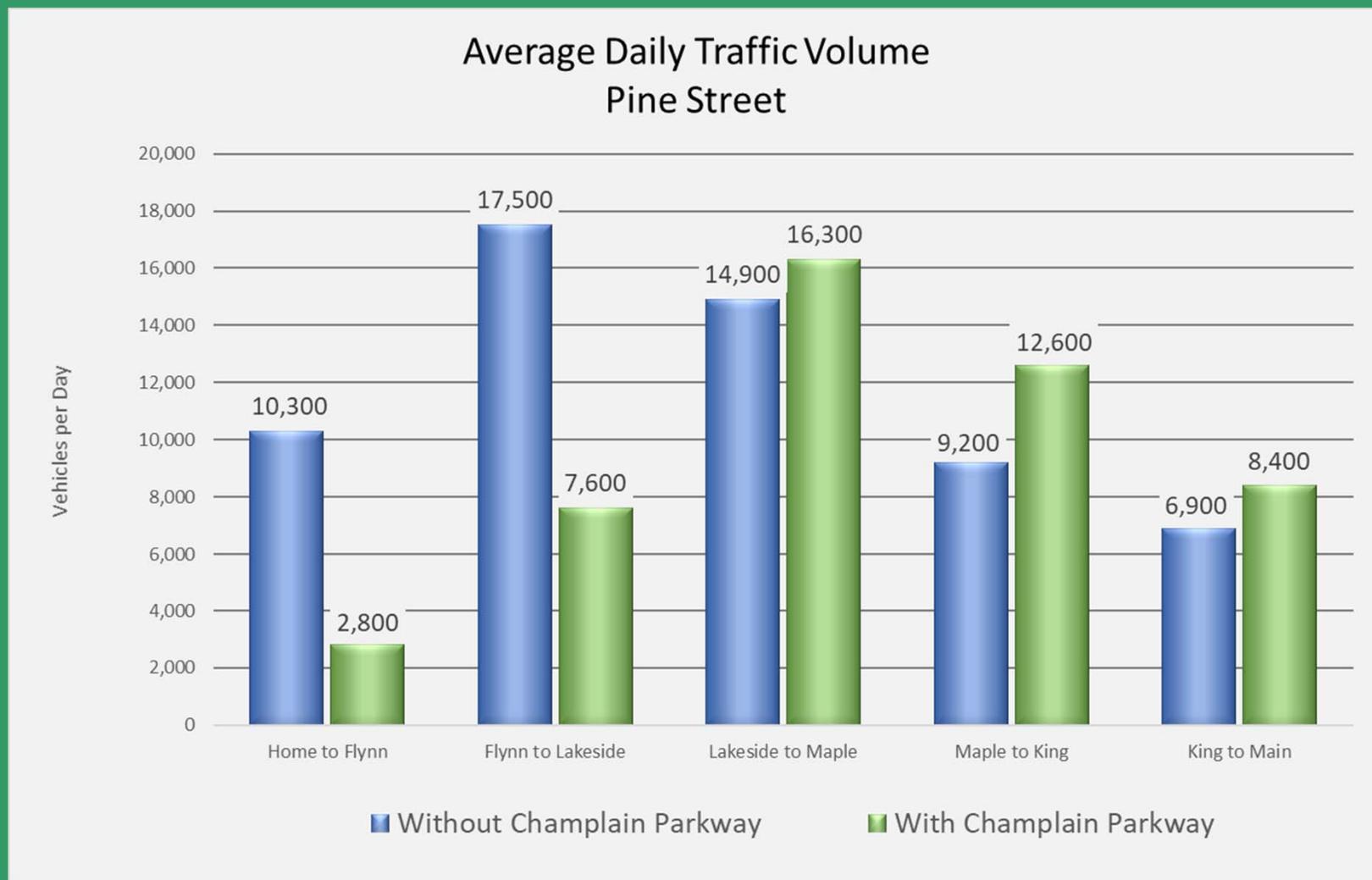
# Design Elements

- Synchronized traffic signals to optimize traffic flow
- All turning movements accommodated at all Parkway intersections (there are no prohibited turning movements)
- New continuous pedestrian facilities along Pine Street
- Brick colored crosswalks at the Pine Street and Maple Street intersection as well as the Pine Street and King Street intersection
- On-road bicycle accommodations
- Maintain on-street parking in accordance with City ordinances.

# Traffic

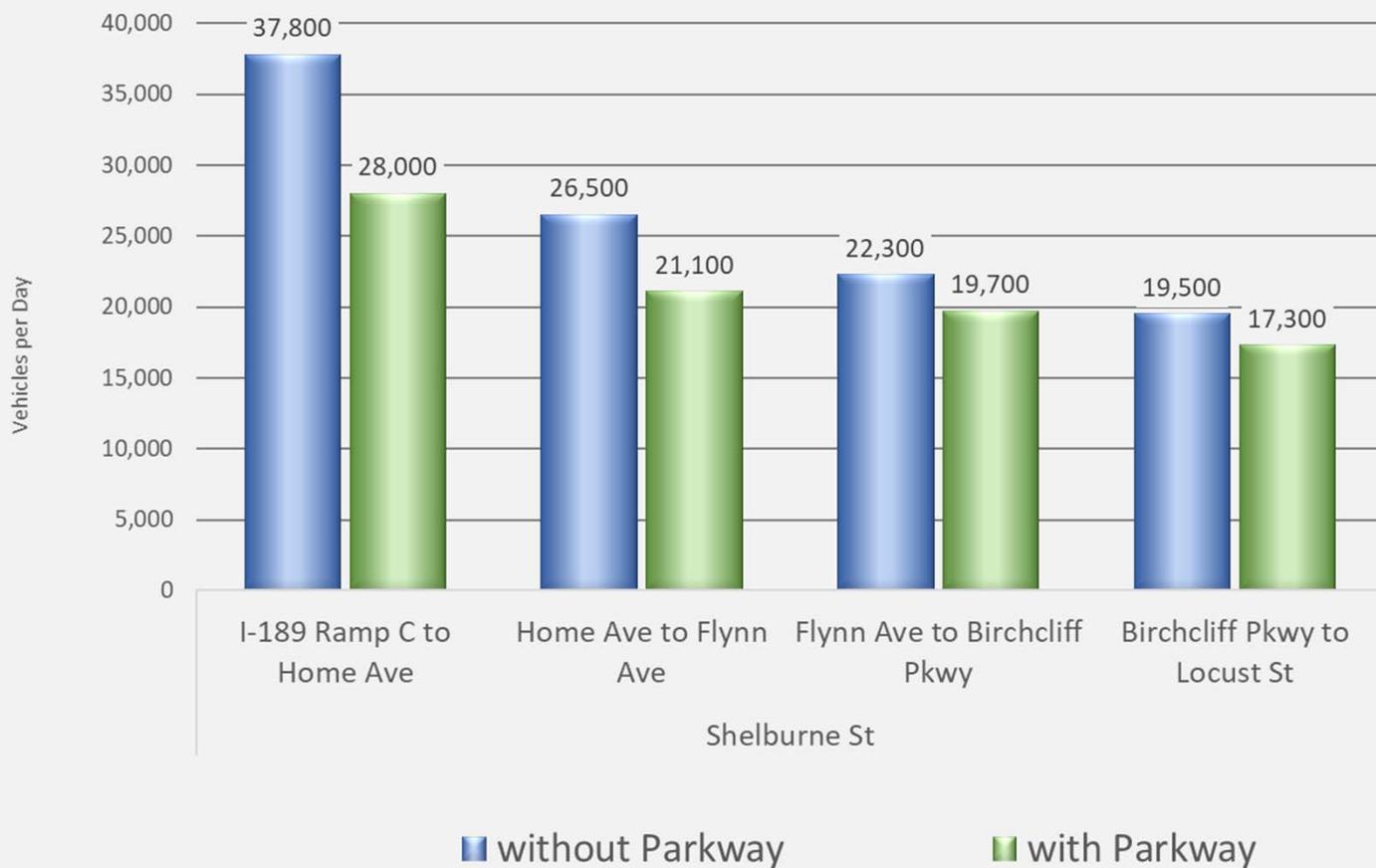


# Vehicle Traffic Volume



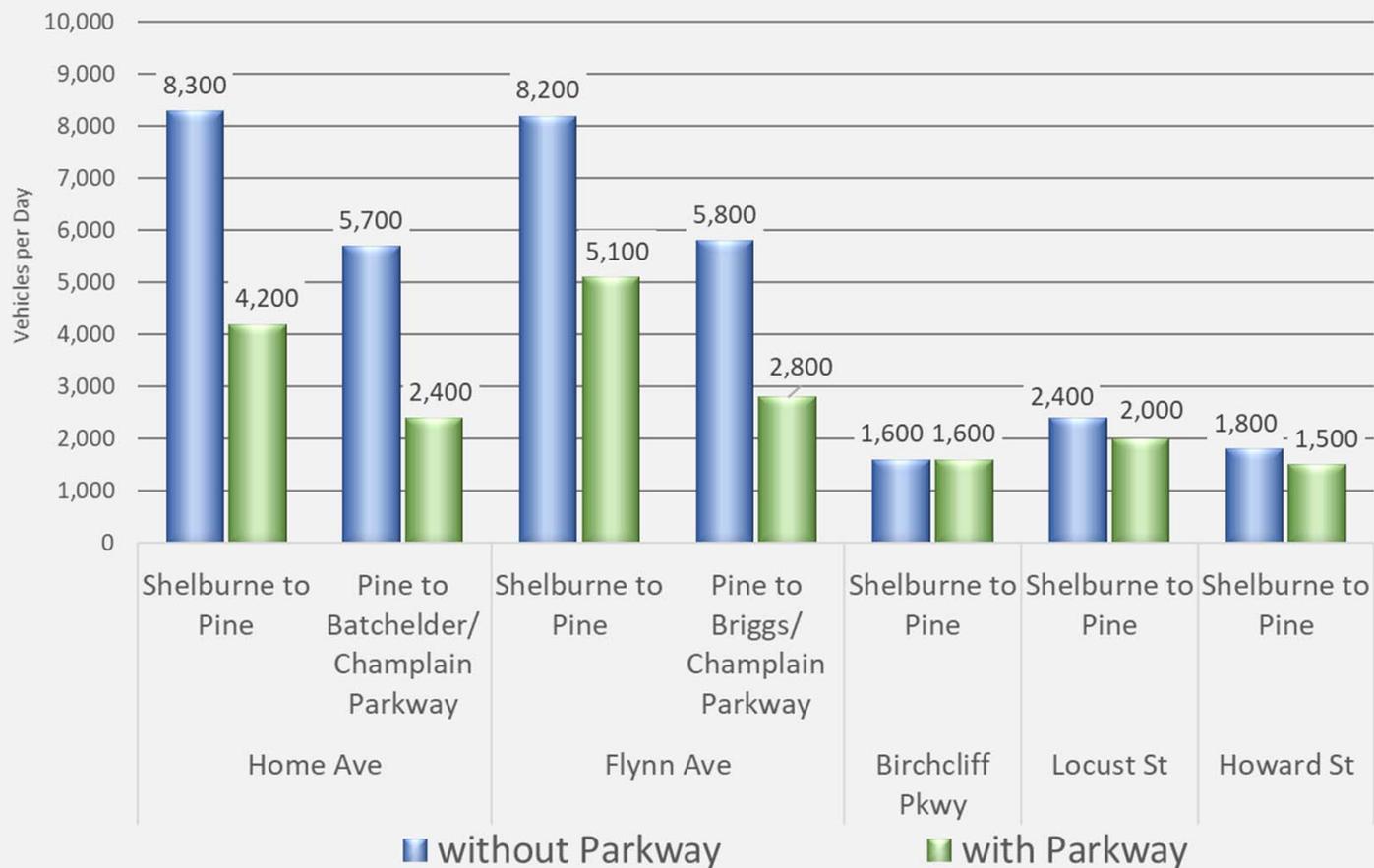
# Vehicle Traffic Volume

Average Daily Traffic Volume - Design Condition  
Shelburne Street



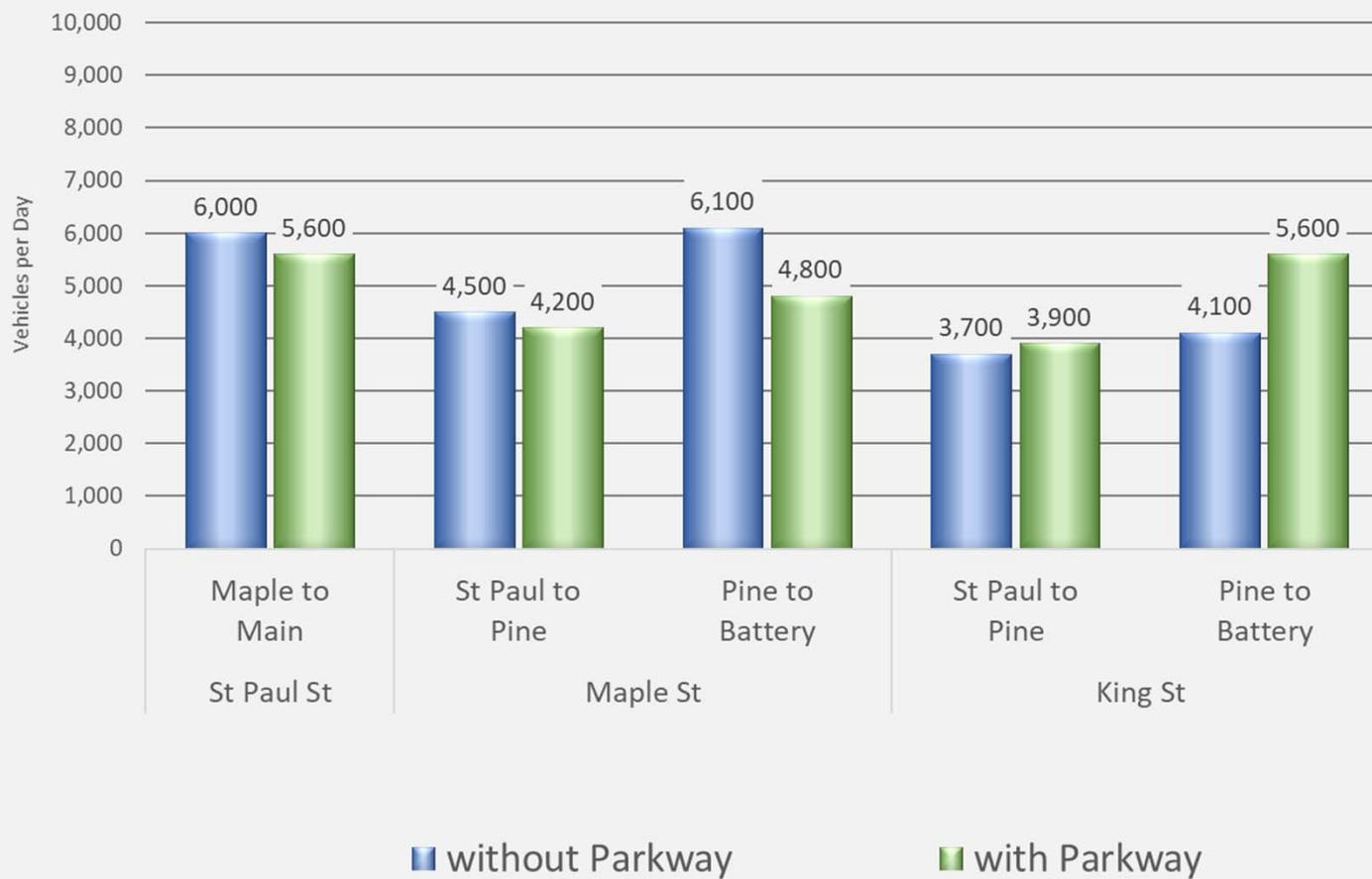
# Vehicle Traffic Volume

Average Daily Traffic Volumes - Design Condition  
Other Streets

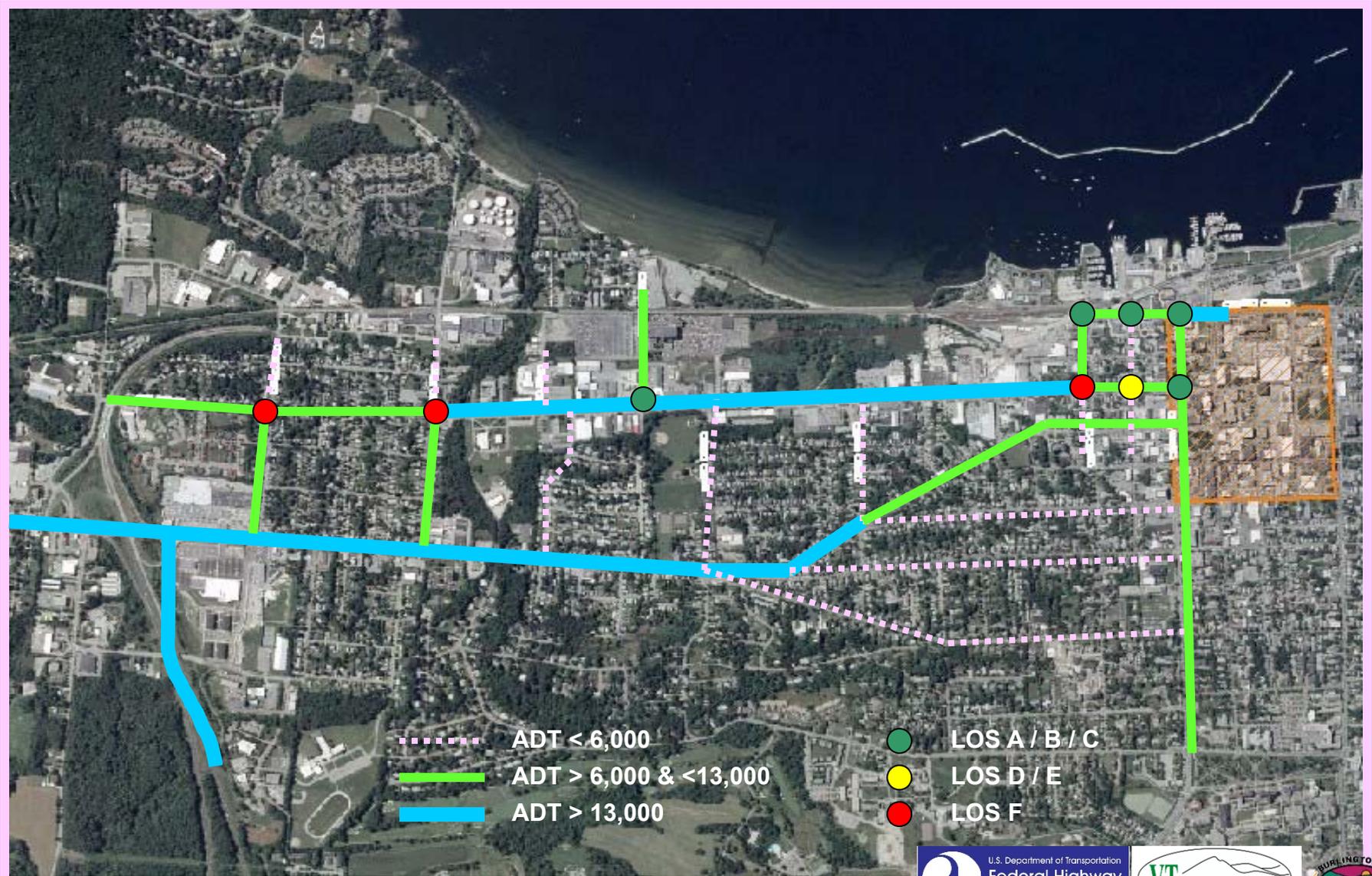


# Vehicle Traffic Volume

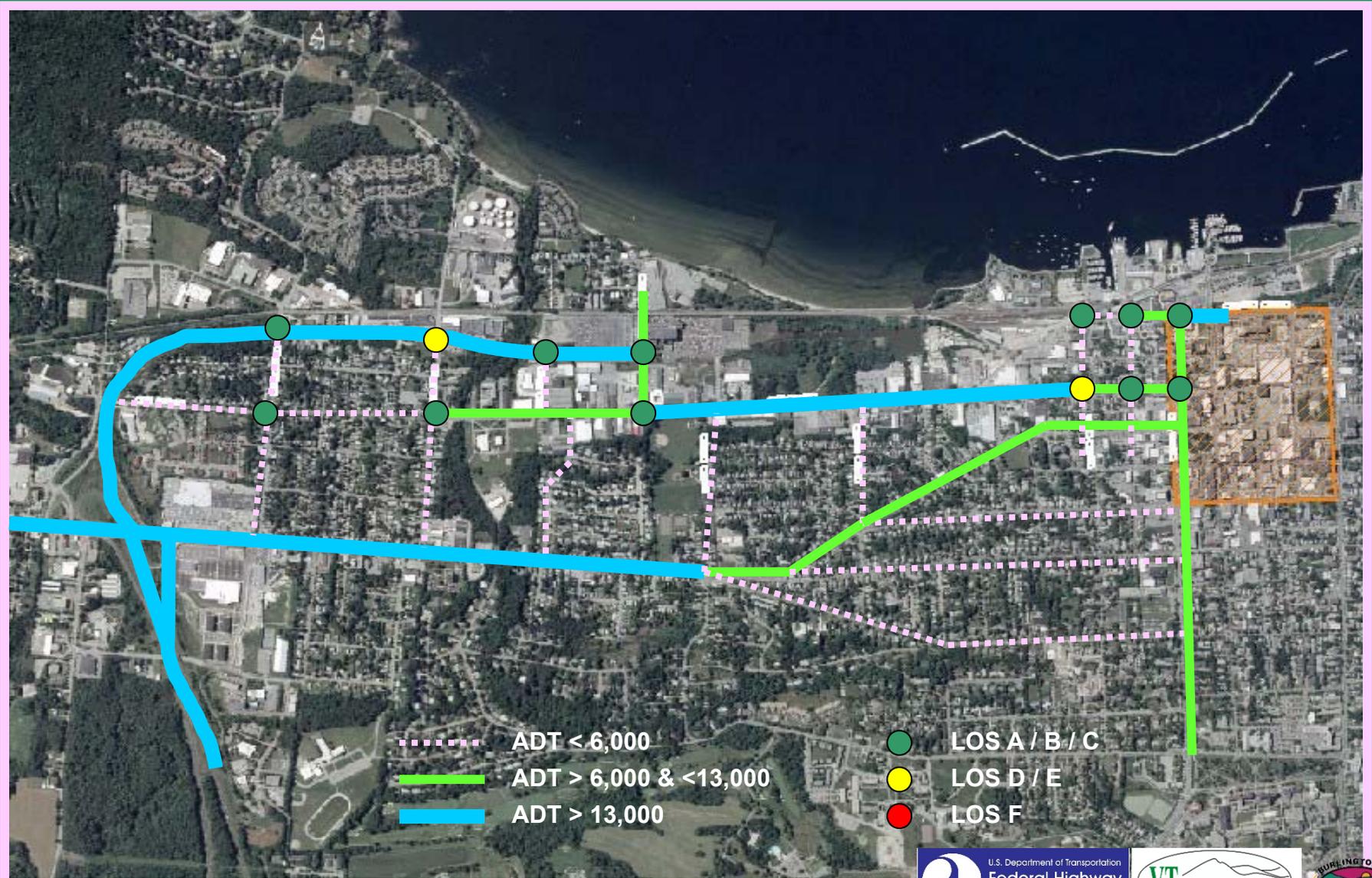
Average Daily Traffic Volumes - Design Condition  
Other Streets (continued)



# No-Build Volumes



# Build Volumes



# Design Elements

- All turning movements accommodated at all Parkway intersections including the Pine Street and Maple Street and Pine Street and King Street
- Pedestal style traffic signals at the Pine Street and Maple Street intersection as well as the Pine Street and King Street
- Exclusive pedestrian crossing phases
- Provided curb extensions to minimize the pedestrian crossing distance
- Emergency Vehicle Preemption (EVP) and Transit Signal Prioritization (TSP)

# Traffic Signals



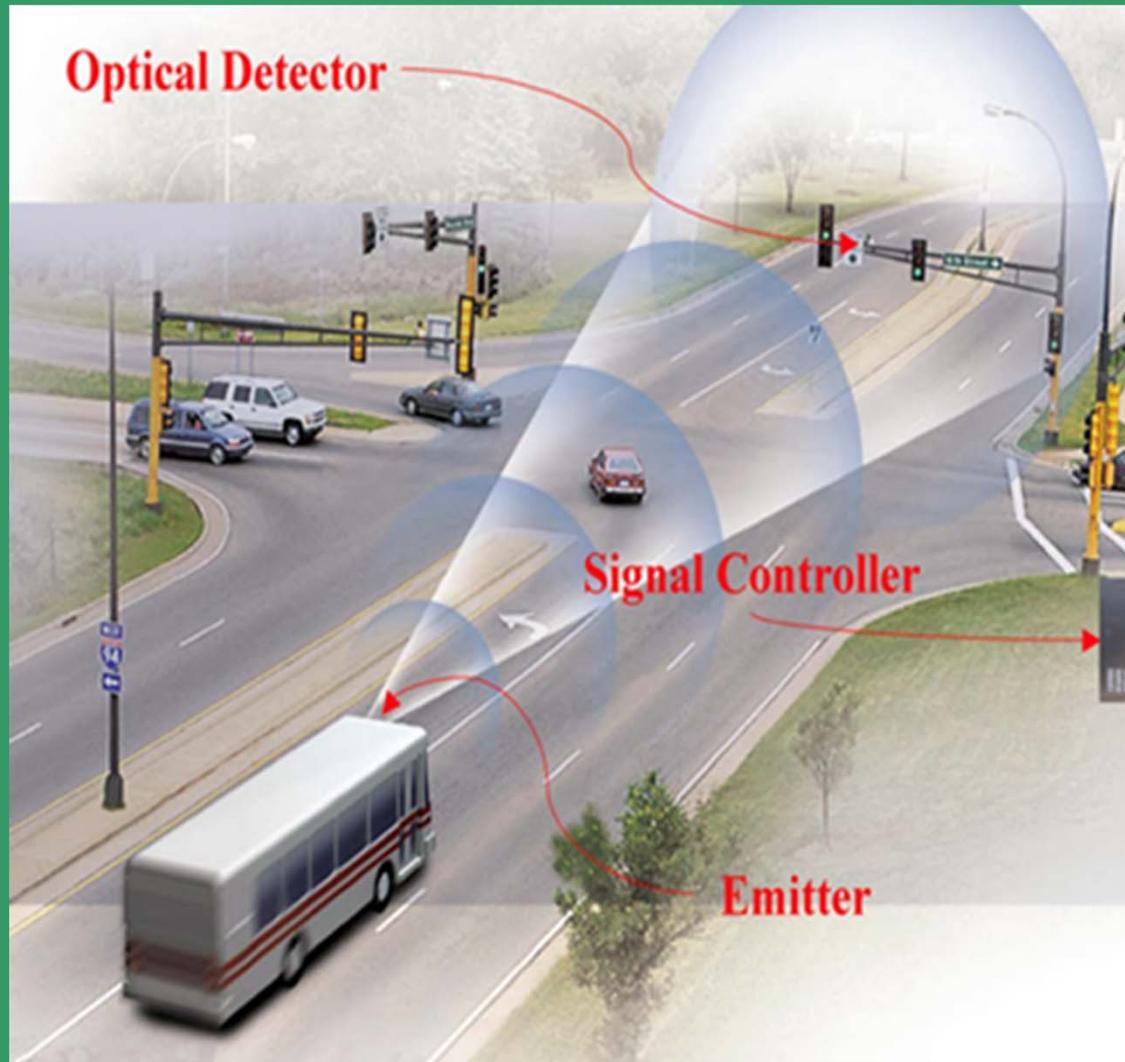
# Pedestrian Signals



# Emergency Vehicle Preemption



# Transit Signal Priority



# Recent Milestones

- **May 2019: Final Utility Agreements Executed**
- **May 2019: Right-of-Way Certification**
- **June 2019: Corrective Action Plan Approved by DEC**
- **July 2019: Cooperative Agreement Amendment Executed for Final Construction**
- **September 2019: Construction Inspection Contract Awarded**

## Next Steps

- **Finalizing Contract Plans and Bid Documents**
- **Resolution of ongoing litigation**
- **Receive Approvals from FHWA and VTrans to Bid Construction**
- **Coordinate Construction Schedule with Other Large Projects including Shelburne St Roundabout**
- **Award Construction Contract**
- **Proceed with Construction**

# Contact Information

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- **Twitter:** <https://twitter.com/@btvdpw>
- **Facebook:** <https://www.facebook.com/BTVDPW>