

Frankford Avenue Part 2, Safety Improvement Project
SR 2007/0013/0073 Section SIP
Philadelphia County, PA
MPMS # 115434

PROJECT DESCRIPTION

This project involves safety improvements along the corridor of Frankford Avenue, in the City of Philadelphia, Pennsylvania.

The following work is proposed at various intersections along Frankford Avenue (SR 0013 & SR 2007) extending from Oxford Street up to and including Cottman Avenue (SR 0073) and Ryan Avenue:

- Installation of curb bump outs and curb extensions along Frankford Avenue (S.R. 0013), Cottman Avenue (SR 0073), and Ryan Avenue
- Signing and pavement marking upgrades
- Restripe Frankford Avenue southbound to add a left turn lane going to Cottman Avenue
- Replace traffic signals at intersections with traffic signal supports (mast arms, poles, and related equipment) indicated below.
- Installation of retroreflective backplates on all existing and new traffic signal heads.
- Installation of LED luminaires mounted to new signals and upgrading luminaires mounted to existing signals.
- Installation of pedestrian countdown timers at signalized intersections
- Restripe crosswalks and stop bars at full modernization and installation of traffic signal equipment locations.
- Drainage improvements including utility relocations at Frankford Avenue and Cottman Avenue/Ryan Avenue intersection.
- Installation of fiber cable and radio communication along the existing utility poles and mast arm poles to coordinate traffic signals between Belgrade Street to Torresdale Avenue.
- Installation of new design ADA curb ramps at the intersection of Frankford Avenue and Cottman Avenue/Ryan Avenue and design-build curb ramps at select other intersections as needed.

1. Frankford Avenue (SR 2007) and Oxford Street (proposed traffic signal)

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. Installation of pedestrian safety improvements including new signage, new crosswalks, and installation of new design-build ADA curb ramps were applicable.

Note: This intersection is partially within the Fishtown Historic District boundary, all of the work at this intersection is planned at the quadrants outside of the historic district.

2. Frankford Avenue (SR 2007) and Palmer Street

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.

- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northwest quadrant, outside of the Fishtown Historic District.

Note: This intersection is partially within the Fishtown Historic District boundary, and work is planned in all quadrants.

3. Frankford Avenue (SR 2007) and Berks Street

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northwest quadrant, outside of the Fishtown Historic District.

Note: This intersection is partially within the Fishtown Historic District boundary.

4. Frankford Avenue (SR 2007) and Norris Street

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the southwest quadrant, outside of the Fishtown Historic District.

Note: This intersection is partially within the Fishtown Historic District boundary.

5. Frankford Avenue (SR 2007) and Susquehanna Avenue

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northeast quadrant.

6. Frankford Avenue (SR 2007) and Dauphin Street

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the southeast quadrant.

7. Frankford Avenue (SR 2007) and Cumberland Street

- a. Installation of new traffic signal with new poles, mast arms, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer. A new traffic signal pole and mast arm is proposed for the northeast and southwest quadrants.

- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the southeast quadrant.
- e. Installation of new design-build ADA curb ramps on the southeast corner of Cumberland St.

8. Frankford Avenue (SR 2007) and Huntingdon Street

- a. Installation of new traffic signal with new poles, mast arms, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer. A new traffic signal pole and mast arm is proposed for the northeast and southwest quadrants.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northeast quadrant.

9. Frankford Avenue (SR 2007) and Westmoreland Street

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northeast quadrant.

Note: This intersection is within the Kensington-Allegheny Historic District boundary.

10. Frankford Avenue (SR 2007) and Atlantic Street

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the southeast quadrant.

Note: This intersection is within the Kensington-Allegheny Historic District boundary.

11. Frankford Avenue (SR 2007) and Venango Street

- a. Installation of new traffic signal with new poles, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northeast quadrant.

Note: This intersection is within the Kensington-Allegheny Historic District boundary.

12. Frankford Avenue (SR 2007) and Glenwood Avenue

- a. Installation of new traffic signal with new poles, mast arms, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer. A new traffic signal pole and mast arm is proposed for the northeast and southwest quadrants.
- b. Installation of new c-post mounted traffic equipment on all quadrants.

- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northwest quadrant, outside of the Kensington-Allegheny Historic District.

Note: This intersection is within the Kensington-Allegheny Historic District boundary.

13. Frankford Avenue (SR 2007) and Pike Street/Wheatsheaf Lane

- a. Installation of new traffic signal with new poles, mast arms, retroreflective backplates, pedestrian push buttons and pedestrian countdown timer. A new traffic signal pole and mast arm is proposed for the northeast, northwest, and southwest quadrants.
- b. Installation of new c-post mounted traffic equipment on all quadrants.
- c. Installation of pedestrian safety improvements including installation of pedestrian countdown timers and restriping crosswalks and stop bars.
- d. A new traffic signal controller cabinet is proposed for the northeast quadrant.

14. Frankford Avenue (SR 0013) / Cottman Avenue (SR 0073) and Ryan Avenue Intersection

- a. Increase the size of the center concrete triangle island located on Cottman Avenue that separates the Ryan Avenue approach to reduce crosswalk length.
- b. Installation of curb bump outs along Frankford Avenue, Cottman Avenue, and Ryan Avenue to reduce crosswalk length.
- c. Installation of design ADA compliant curb ramps at all corners of the intersection.
- d. Installation of updated signing and pavement markings and removal of the floating stop bar in the middle of the intersection.
- e. Restriping to provide a southbound left turn lane onto Cottman Avenue.
- f. Installation of new traffic signals at intersections with traffic signal supports (mast arms, poles, and related equipment).
- g. Relocate the traffic signal controller cabinet from the current location to the northwest corner of Frankford Avenue and Ryan Avenue.
- h. Install supplemental traffic signals to guide vehicles through the intersection for the proposed lead-lag signal phasing operation.
- i. Installation of pedestrian countdown timers
- j. Addition of emergency vehicle pre-emption for Cottman Avenue.
- k. Install drainage inlets at curb bump out locations.
- l. Relocate the existing fire hydrant at the southeast corner with the curb bump out.

The entire project will take place within existing Right-of-Way and within existing previously disturbed roadway/sidewalk areas. There is no Permanent Right-of-Way or Temporary Construction Easements required for this project.

The funding for this project includes federal funds only.