



2016 Regional Transportation Alternatives Program (TAP) Grant Application

PROJECT

TITLE: Pedestrian Crossing Flashing Beacon Installation

TRPC use only

GENERAL PROJECT INFORMATION

Agency or Organization City of Olympia

Contact Person Mark E. Russell, P.E., Director of Transportation

Phone Number (360) 753-8762

Email Address mrussell@ci.olympia.wa.us

Type of Transportation Partner Select One

- Traditional Transportation Partner
- Non-Traditional Transportation Partner

Threshold Criteria (check all that apply)

- | | Yes | No |
|---|----------------------------------|-----------------------|
| Project elements meet all regional eligibility requirements | <input checked="" type="radio"/> | <input type="radio"/> |
| Project elements and administration meet all federal eligibility requirements | <input checked="" type="radio"/> | <input type="radio"/> |
| Applicant can demonstrate ability to obligate funding as proposed | <input checked="" type="radio"/> | <input type="radio"/> |

STATUS OF EXISTING FEDERAL PROJECTS

- Does the applicant have any other regionally selected projects underway? (yes or no) Yes No
- Does the applicant have any other state selected federal projects underway? (yes or no) Yes No

If yes to either, attach separate documentation describing status of each project including project name, funding source, year of award, progress to date, future obligation commitments and strategy for meeting those obligation commitments in addition to those associated with new project funding.

PROJECT INFORMATION

Applicant's Project Priority

- Are you submitting more than one TAP application (3 maximum)? Yes No
- If "Yes," what priority is this project application? _____ of _____

TYPE OF PROJECT OR PROGRAM

- (Identify one "Primary Purpose" and any "Secondary Purpose" project type that applies)*
- | | Primary | Secondary |
|--|----------------------------------|-------------------------------------|
| Safe Routes to School project or program | <input type="radio"/> | <input checked="" type="checkbox"/> |
| Provision of facilities for pedestrians and/or bicycles | <input checked="" type="radio"/> | <input type="checkbox"/> |
| Preservation and/or conversion of abandoned railway corridors for bike/ped trails | <input type="radio"/> | <input type="checkbox"/> |
| Construction of turnouts, overlooks, and viewing areas | <input type="radio"/> | <input type="checkbox"/> |
| Recreational Trails Program (Section 206 of title 23) | <input type="radio"/> | <input type="checkbox"/> |
| Inventory, control and removal of outdoor advertising | <input type="radio"/> | <input type="checkbox"/> |
| Preservation & rehabilitation of historic transportation buildings, structures, facilities | <input type="radio"/> | <input type="checkbox"/> |
| Vegetation management in ROW to control invasive species or control erosion | <input type="radio"/> | <input type="checkbox"/> |
| Archaeological activities related to impacts from transportation projects | <input type="radio"/> | <input type="checkbox"/> |
| Environmental mitigation to address stormwater associated with highway runoff | <input type="radio"/> | <input type="checkbox"/> |
| Environmental mitigation to reduce wildlife mortality or improve habitat connectivity | <input type="radio"/> | <input type="checkbox"/> |

PROJECT OVERVIEW

Brief abstract (~ 150 words) of proposal identifying problem or need, how the proposal will address it, and anticipated benefits. This is a high level summary suitable for reports and on-line descriptions. Detailed project information is provided on page 3.

This proposal will replace the existing in-pavement flashing light systems at nine pedestrian crosswalk locations with new Rectangular Rapid Flashing Beacons (RRFB's). The current in-pavement systems are reaching the end of their service life and have become difficult to maintain. The RRFB pedestrian warning devices will be installed at the street edge near the crosswalk to alert motorists of pedestrians.

The City of Olympia is actively working to improve pedestrian crossings. Wide, busy streets can be a barrier to a pedestrian. Concern about a street crossing can prevent a person from making even a short trip on foot. Because of the high-volume vehicle traffic and the width of the streets, pedestrian crossing improvements along these streets can influence an increase in walking and transit trips along these corridors.

PROJECT LOCATION AND DETAILS – applicants may submit a map of the project or program/service area

	Project Location	Various Locations - Nine (9) Sites
Construction Projects	Type of Construction Project	Replace in-pavement flashing lights at crosswalks with RF
	Length/Size of Construction Project	
Programs/Services	Delivery Area of Program/Service	N/A
	Duration of Program/Service	N/A

PROJECT PHASING AND COSTS

Identify project phases and costs (mark the appropriate phase and enter cost)	Phase	Cost
Construction Projects	Preliminary Engineering/Design:	<input checked="" type="checkbox"/> \$ 40125
	Right-of-Way:	<input type="checkbox"/> \$ 0
	Construction:	<input checked="" type="checkbox"/> \$ 376575
Program or Operational Element Costs	Program or Operations Cost:	\$ 0
	Other Cost:	\$ 0
Total Project Cost (Sum of all project phase costs identified above):		\$ 416700

YEAR OF OBLIGATION

FFY 2017 – 2019 Project Obligation	2017	2018	2019
Select the preferred federal fiscal year the project will obligate*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Select an alternate federal fiscal year the project could obligate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*Applicants are expected to obligate their project on time, as stated on this application and indicated on the award letter, if the project proposal is selected.

TAP FUNDING REQUEST AND MATCHING REVENUES

Federal Funding Request and Match (non-federal share)

From Project Applicant*	Local funding or other sources	\$ 56260
	State funding	\$ 0
TAP Grant Request		\$ 360440
Total Project/ Phase Revenue		\$ 416700

*Applicants must provide a minimum of 13.5% non-federal share to federal share.

Example
Total Project Cost is \$100,000
Minimum non-federal share: \$13,500
Federal STP Funds: \$86,500

CERTIFICATION ACCEPTANCE

CA Agency and Representative

City of Olympia, Steve Sperr P.E., Assistant City Engineer

CA Signature and Date

Steve Sperr 10/14/16

Project Verification and Endorsement

This project proposal reflects established local funding priorities consistent with the Regional Transportation Plan. Costs represent accurate planning level estimates needed to accomplish the work described herein. The project described is financially feasible, and local match revenue identified above is available and will be committed to the project if it receives the requested TAP grant. If selected, the project will obligate funding in Federal Fiscal Year 2016, prior to August 1, 2016. Failure to do so will result in loss of funding for the project. I realize that the use of federal funds for this project entails administrative and project compliance requirements over which TRPC has no control, and for which this agency or organization will be responsible.

This project has the full endorsement of the governing body/leadership of this agency or organization.

Mark E. Russell, P.E., Director of Transportation

Name and Title of Designated Representative

Mark E. Russell
Signature of Designated Representative

10/14/16

Date

Project Title: Pedestrian Crossing Flashing Beacon Installation

SUPPORT FOR RECOGNIZED REGIONAL INITIATIVES

Identify any ways in which the proposed project supports existing regional initiatives. Examples of such initiatives include, but are not limited to, Sustainable Thurston, Urban Corridor Communities, Walk and Roll, Healthy Kids Safe Streets, Thurston Thrives, Commute Trip Reduction.

See PROJECT DESCRIPTION & SIGNIFICANCE on page 4.

PROJECT DESCRIPTION & SIGNIFICANCE (2 PAGES MAX, 10 POINT FONT MINIMUM)

Using the space provided on pages 3 and 4 below, please address the following in your narrative: Describe the proposed project and why it is a regional funding priority, paying particular attention to benefits the proposal will deliver. Consider all modes of travel in your description. Identify any collaboration or partnership with other entities with a vested interest in this project. Note whether this project leverages previous work, such as an implementation phase of a previous study or design phase, or whether it lays the groundwork for subsequent implementation phases. Describe any efforts that will help ensure this project can meet its obligation commitments. Indicate how this proposal supports the goals and policies of the Regional Transportation Plan, the transportation initiatives in Sustainable Thurston, or other adopted community plans and goals.

The proposed project will replace the existing in-pavement flashing light systems at nine pedestrian crosswalk locations with new Rectangular Rapid Flashing Beacons (RRFBs). Listed are the nine pedestrian crossing locations.

1. Capital Mall Drive at Capital Medical Center
2. State Avenue at Wilson Street
3. Capitol Way at the Tivoli Fountain
4. 5th Avenue at the Capitol Lake Dam
5. 5th Avenue at Sylvester Street
6. 4th Avenue at Bayview Market
7. 4th Avenue at Sylvester Street
8. Black Lake Boulevard/Division Street at 4th Avenue
9. Martin Way at the Chehalis Western Trail

The beacons help people walk across busy streets by alerting drivers to the pedestrian who is attempting to cross. These crossings were identified and initially improved based on requests from the public. All of these crossings are on major streets.

Of the nine crossings, six are on Urban Corridors: State Avenue, 4th Avenue, Martin Way, Black Lake Boulevard and Capitol Way. These improvements will help to make these urban corridors more walkable and help people access transit, consistent with the Urban Corridors Communities objectives.

Five of the crossings, one on Martin Way at the Chehalis Western Trail and four near Heritage Park on 4th and 5th Avenues will help people walk for recreation, consistent with the goals of Thurston Thrives, and Healthy Kids Safe Streets.

All of the nine crossings are on transit routes. The beacons will help people access bus stops, which supports our community's Commute Trip Reduction efforts.

Why it is a regional funding priority/benefits it will deliver: This project will improve the safety of pedestrian crossings on several major streets in Olympia. All of these streets are transit routes and these beacons will improve pedestrian access to bus stops. Destinations along these streets include parks, stores, medical facilities, and employment sites which are regional destinations. Improving these crossings for people who arrive at these destinations by bus will serve a regional population in addition to local walking trips.

Project Title: Pedestrian Crossing Flashing Beacon Installation

PROJECT DESCRIPTION & SIGNIFICANCE (continued)

Does it leverage previous work or lay the groundwork for subsequent implementation phases: The beacons will replace damaged in-pavement lighting systems. Since the in-pavement systems were installed, technology has advanced, and beacon systems prove more effective in alerting drivers, more durable and less costly to maintain.

Describe efforts to ensure this project can meet its obligation commitments: Because all of the crossings have an older non-functioning in-pavement lighting system in place, electrical wiring is in place, making installation of beacons more simple. City engineering and project management resources are available to complete this project.

How does the proposal support the goals and policies of the RTP, Sustainable Thurston and other adopted community plans and goals:

The project supports the following RTP policies:

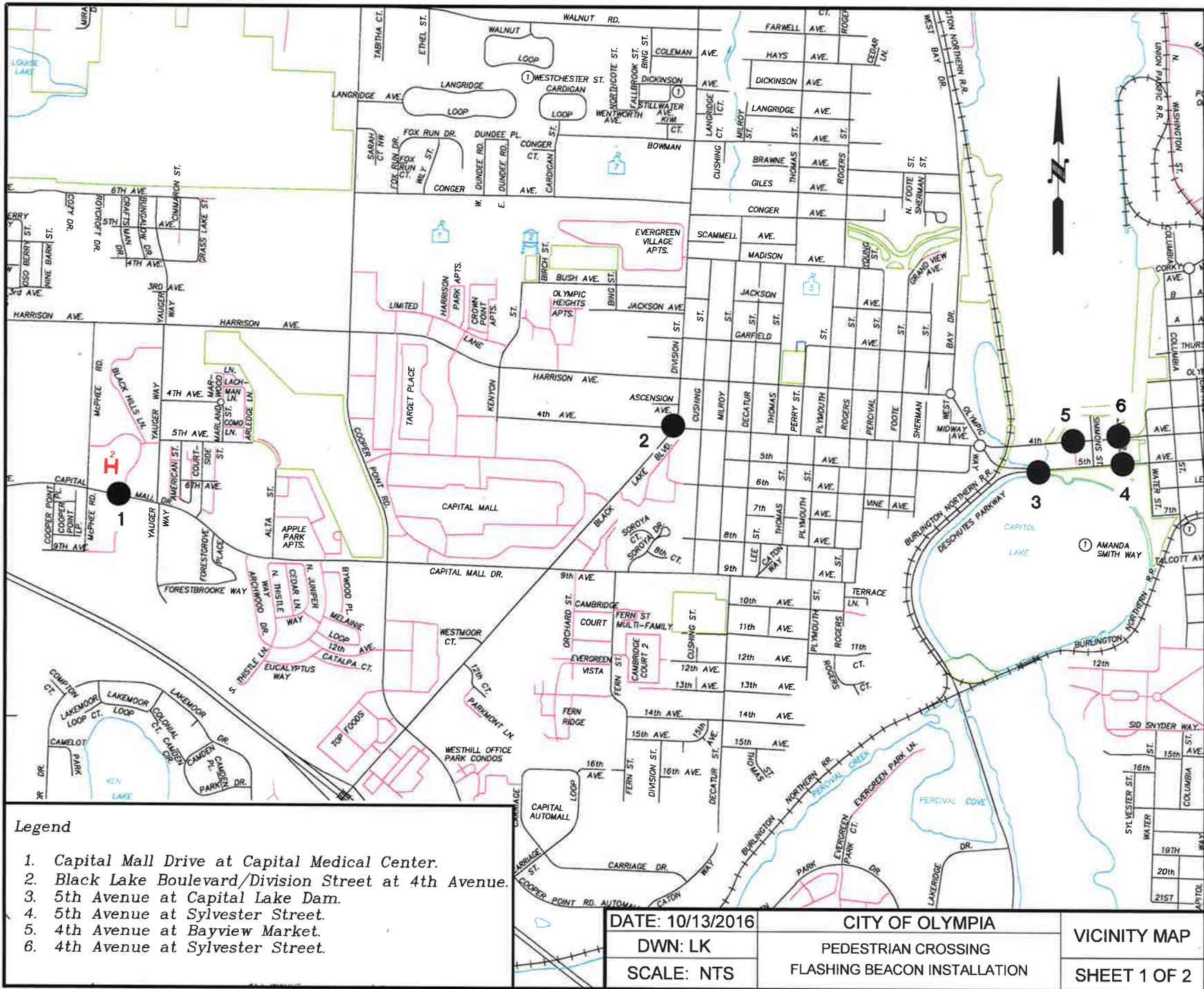
- 2a. Provide for quality travel mode options appropriate to existing and future land uses, including walking, biking, public transportation, rail and motor vehicles, including freight.
- 4c. Design transportation infrastructure to encourage safe user behavior.
- 5a. Prioritize maintenance, preservation, operations and repair of the existing transportation system.
- 6b. Encourage the use of public transportation, ridesharing, bicycling and walking by improving access, convenience, and reliability.
- 9a. Design and construct multimodal, context-sensitive, complete streets and roads.
- 12c. Provide frequent pedestrian crossings, especially in urban areas, along primary transit routes, and near activity centers.

The project supports several Sustainable Thurston Priority goals:

- Because all of these crossings help promote walking in the urban area on transit corridors, the project supports this priority goal: "Create vibrant centers, corridors, and neighborhoods while accommodating growth."
- Because the crossings promote walking instead of driving, the project supports these priority goals: "Move towards carbon-neutrality" and "Maintain air-quality standards."

The project supports the following City of Olympia Comprehensive Plan goals and policies:

- PT 21.3 Build new streets and retrofit existing streets to be more inviting for walking with sidewalks, crossing improvements and streetscape enhancements.
- GT 23 Pedestrian crossing improvements remove barriers for walkers on major streets, especially wide streets with high vehicle volumes.
- PT 23.2 Raise driver awareness of pedestrians at crosswalks on wide, high-volume streets using blinking lights, flags, signs, markings, and other techniques.
- PT 23.3 Add safe, mid-block crossings for pedestrians to new and existing streets. This is especially important on major streets that have long distances between stop lights and those with high-frequency transit service.



Legend

1. Capital Mall Drive at Capital Medical Center.
2. Black Lake Boulevard/Division Street at 4th Avenue.
3. 5th Avenue at Capital Lake Dam.
4. 5th Avenue at Sylvester Street.
5. 4th Avenue at Bayview Market.
6. 4th Avenue at Sylvester Street.

DATE: 10/13/2016

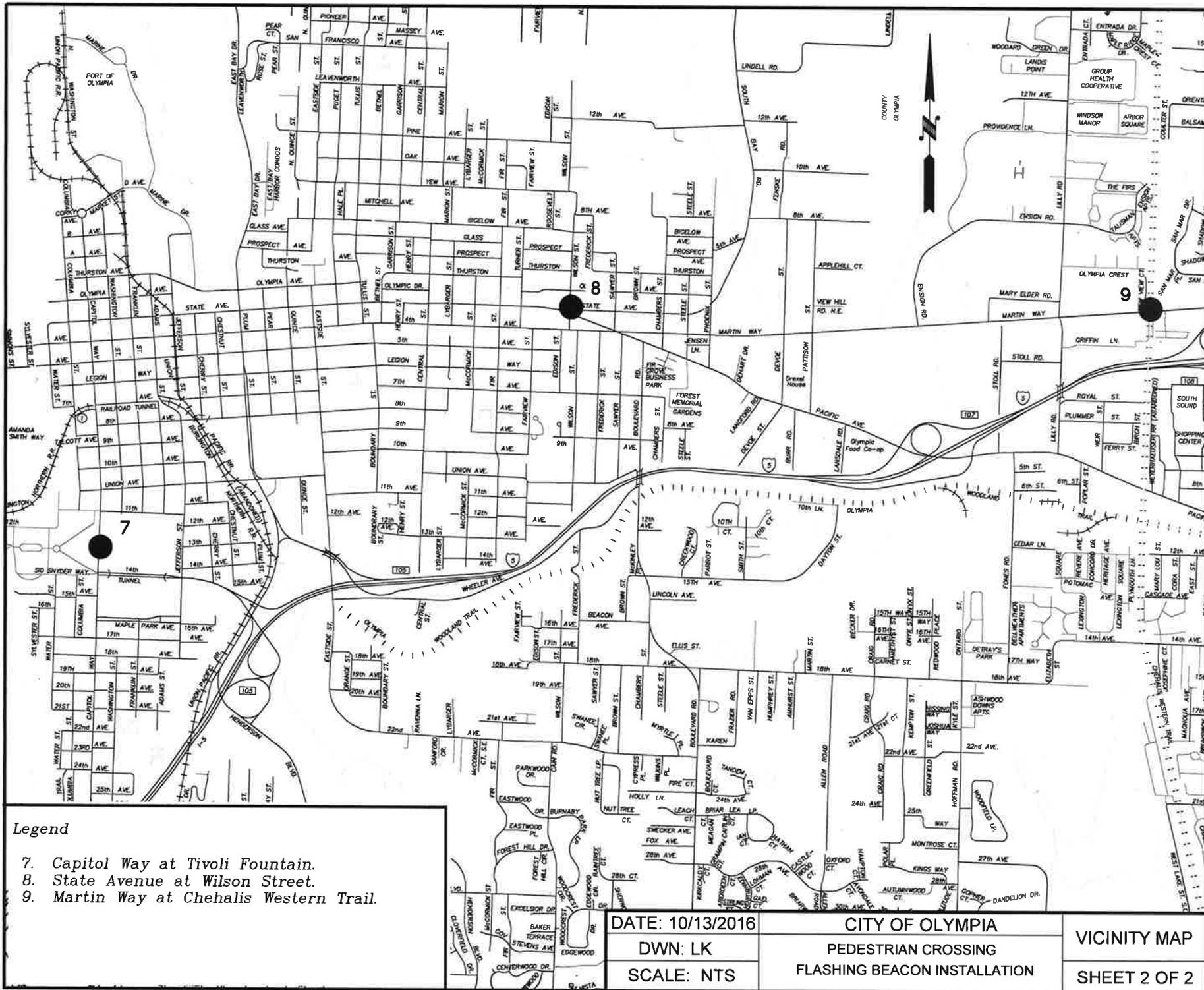
DWN: LK
SCALE: NTS

CITY OF OLYMPIA

PEDESTRIAN CROSSING
FLASHING BEACON INSTALLATION

VICINITY MAP

SHEET 1 OF 2



Legend

- 7. Capitol Way at Tivoli Fountain.
- 8. State Avenue at Wilson Street.
- 9. Martin Way at Chehalis Western Trail.

DATE: 10/13/2016

DWN: LK

SCALE: NTS

CITY OF OLYMPIA

PEDESTRIAN CROSSING
FLASHING BEACON INSTALLATION

VICINITY MAP

SHEET 2 OF 2

Typical Rectangular Rapid Flashing Beacon Installation

