

TRAFFIC/ELECTRICAL DESIGN DEVELOPMENT GUIDELINES

Traffic Features in Sidewalks

Installation of the sidewalk along the project's street frontage will require adjustments to and possible installation of conduits, junction boxes and wiring for the City's street lighting and traffic signal systems. All sidewalks must have an accessible ADA compliant pedestrian path that provides a minimum of 4' width free of obstructions (street light poles, signs, etc.). All frames and lids must be treated with slip resistant coating compliant with City Standards. Consult with the City Traffic Engineering Division before beginning design work that involves sidewalk demolition.

Street Lighting

The lighting system shall be upgraded to meet current City Standards and Electrical Code regarding depth of conduit burial, junction box cover non-slip surface treatment, conduit size, conduit type and number, conductor size and number, grounding and bonding, pole type, pole location, service cabinet, etc. Light poles within 2'-6" of the face of curb need to be relocated, preferably to back of sidewalk or in an established planter area (3'-6" CL of pole to face of curb desired). Where required, illumination may need to be added to meet current City requirements. The City's typical installation involves LED cobra head fixtures on steel or aluminum poles, 30-35 feet mounting height, with an appropriate length mast arm. Overhead utilities may require utility owned and maintained arms and fixtures, but wherever possible City owned and operated poles shall be installed on all arterials. Within the Central Business District, pedestrian level decorative poles and LED fixtures are required. Tree pit receptacles may also be included. Revised lighting system details shall be provided on a separate plan. Consult with the City Traffic Engineering Division for detailed requirements.

Intelligent Transportation Systems (ITS)

On major arterials and at locations identified in the City of Everett's Strategic Fiber Initiative, two 4" PVC conduits shall be provided along the project frontage length for ITS purposes. Location and routing of ITS conduit system and installation of fiber optic rated vaults shall be provided on a separate plan detail. All vaults in sidewalks/pedestrian travel ways shall have non-slip surface treatment compliant with City Standards. Consult with the City Traffic Engineering Division for detailed requirements.

Traffic Signals

Where required, the traffic signals along the frontage shall be modified to provide ADA accessible design, including accessible pedestrian poles, APS pushbuttons, slip resistant junction boxes and curb ramps. Traffic signal loop modifications and/or additions shall support the proposed changes in channelization. Signal phasing modifications shall be implemented as required. Replacement of the traffic signal controller cabinet to support the revised phasing may be required. Location and design of traffic signal modification shall be provided on a separate plan detail. Consult with the City Traffic Engineering Division for detailed requirements.

Traffic Control Signs

Existing round pipe or wooden sign posts shall be converted to square perforated posts with concrete foundations meeting City Standards. Signs shall be sized to MUTCD requirements. Consult with the City Traffic Engineering Division for detailed requirements.