



Figure 10a: Typical section of proposed decorative lighting, left to right: pedestrian only, combination pedestrian and vehicular, and vehicular only



Figure 10b: Proposed pedestrian light fixture



Figure 10c: Light banner example 1



Figure 10d: Light banner example 2



Existing Photo 10e: Southwest corner Vine St. & Bennett St. intersection looking southerly



Photo edit 10f: Proposed improvements shown include painted crosswalk, wider sidewalk (4' to 5'), ADA compliant ramp with detectable warnings, and street trees



Proposed Typical Sidewalk Section

**Legend**

- (A) 8' MINIMUM VERTICAL CLEARANCE
- (B) 2' MINIMUM HORIZONTAL CLEARANCE
- (C) 5' WIDE SIDEWALK (RECOMMENDED MINIMUM)

**Lighting & Accessibility**

A major component in improving accessibility and connectivity (both visual and physical) is lighting. Almost all user groups indicated that they would like to see lighting throughout town improved, especially along primary routes such as Park Road. Refer to board 6, "Concept Plan", for proposed priority corridors to receive lighting.

**Lighting**

The typical section above (figure 10a) demonstrates the scale and different types of lighting envisioned and shown in the various concepts illustrated in this board set. Figure 10b is an enlarged photo of the pedestrian light fixture illustrated in the typical section above and the various proposed concepts.

Figures 10c and 10d are a few examples of lighting banners for the lighting concepts created by the design team. The banner designs integrate the city logo in order to strengthen visual connectivity and strengthen city branding efforts.

The pedestrian light fixture style shown is considered to be "transitional". The transitional style combines the historic nature of Wheatland with a modern and contemporary twist. The vehicular lighting proposed is the typical cobra head style common for lighting roadways and many city streets.

LED lighting is recommended for the lighting due to its longevity and reduction in operational costs. As with all public site amenities, it is important to make sure that the lights are commercial grade and manufactured by a reputable and experienced company.

**Accessibility** means different things to different people, depending upon their experience and needs.

Ensuring pedestrian accessibility requires the consideration of a number of factors including: width, surface materials used, longitudinal and cross slope, distance from horizontal and vertical obstructions, site distances and clear zones at intersections, surface finish, joint construction, and presence of curbs or steps.

# Wheatland

## Lighting & Sidewalks

**FLENKER LAND ARCHITECTURE CONSULTANTS, LLC**  
 LA: Meg Flenker, PLA, ASLA, CPESC, CPSWQ  
 Interns: TJ Hillberry, Paola Monllor-Torres and Ethan Morrow  
 Iowa State University | Trees Forever | Iowa Department of Transportation

