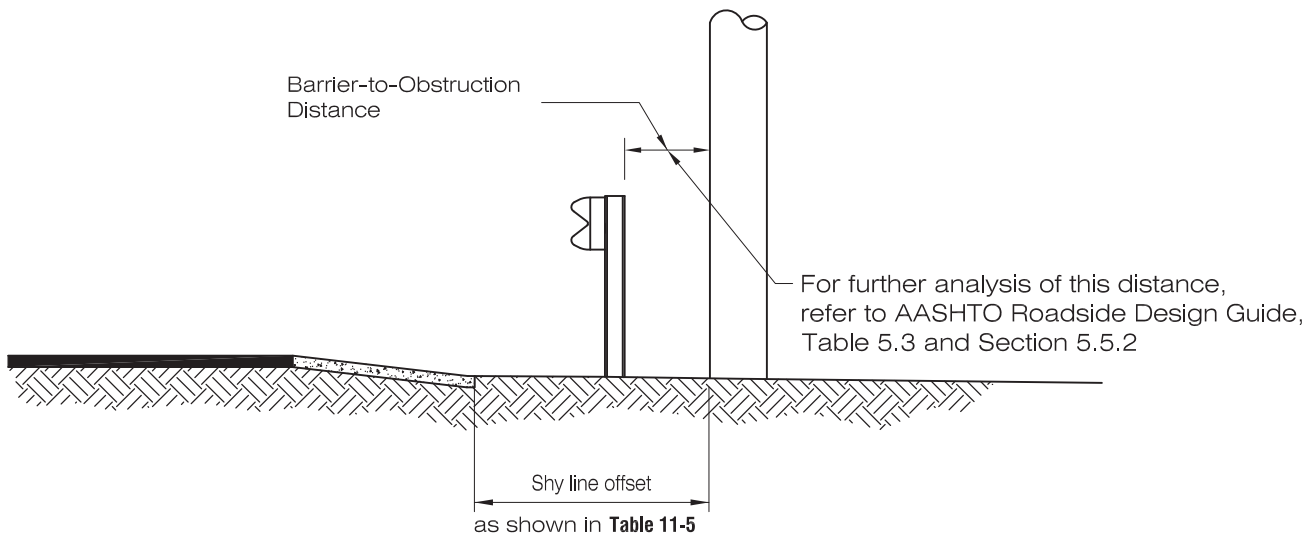
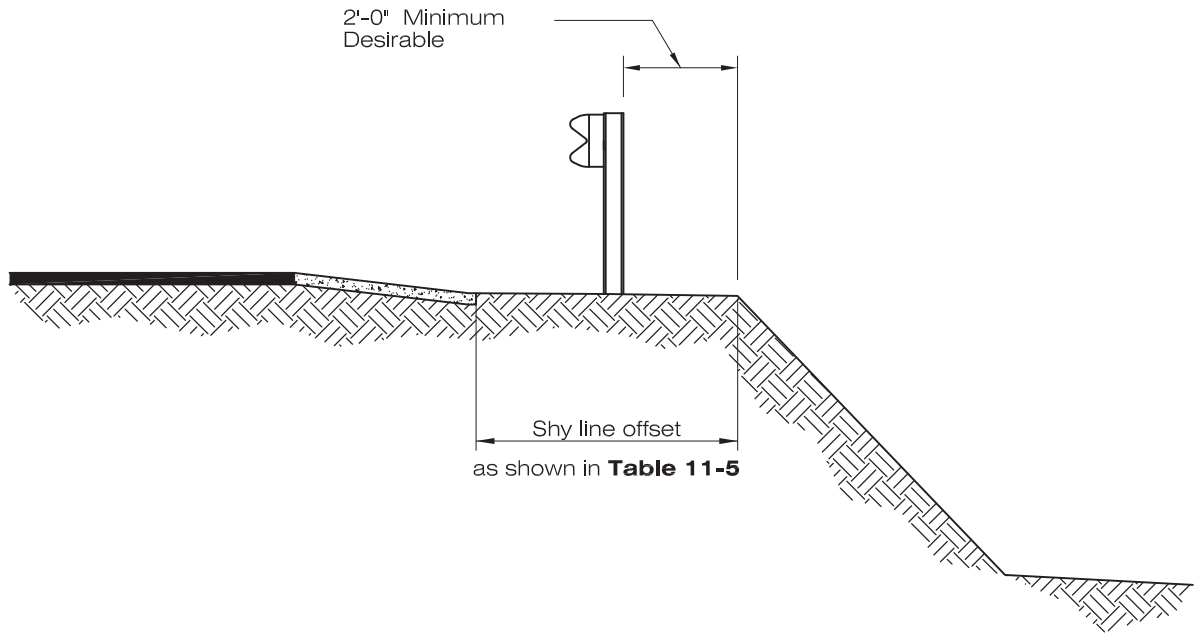




RECOMMENDED BARRIER PLACEMENT FOR OPTIMUM PERFORMANCE

FROM AASHTO ROADWAY GUIDELINE

NOTE: This drawing has been converted from metric to English units.

RECOMMENDED BARRIER PLACEMENT

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

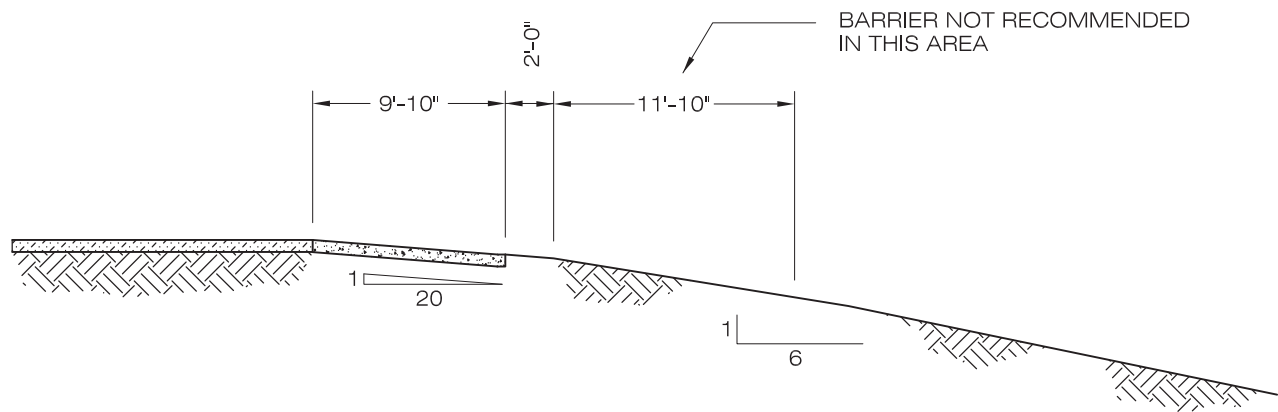
DESIGN
FIGURE

REVISION NO:

DATE: 08/07/00

FIGURE

11-1



RECOMMENDED BARRIER PLACEMENT FOR OPTIMUM PERFORMANCE

FROM AASHTO ROADWAY GUIDELINE

NOTE: This drawing has been converted from metric to English units.

RECOMMENDED BARRIER PLACEMENT

LARIMER COUNTY
 URBAN AREA
 STREET STANDARDS

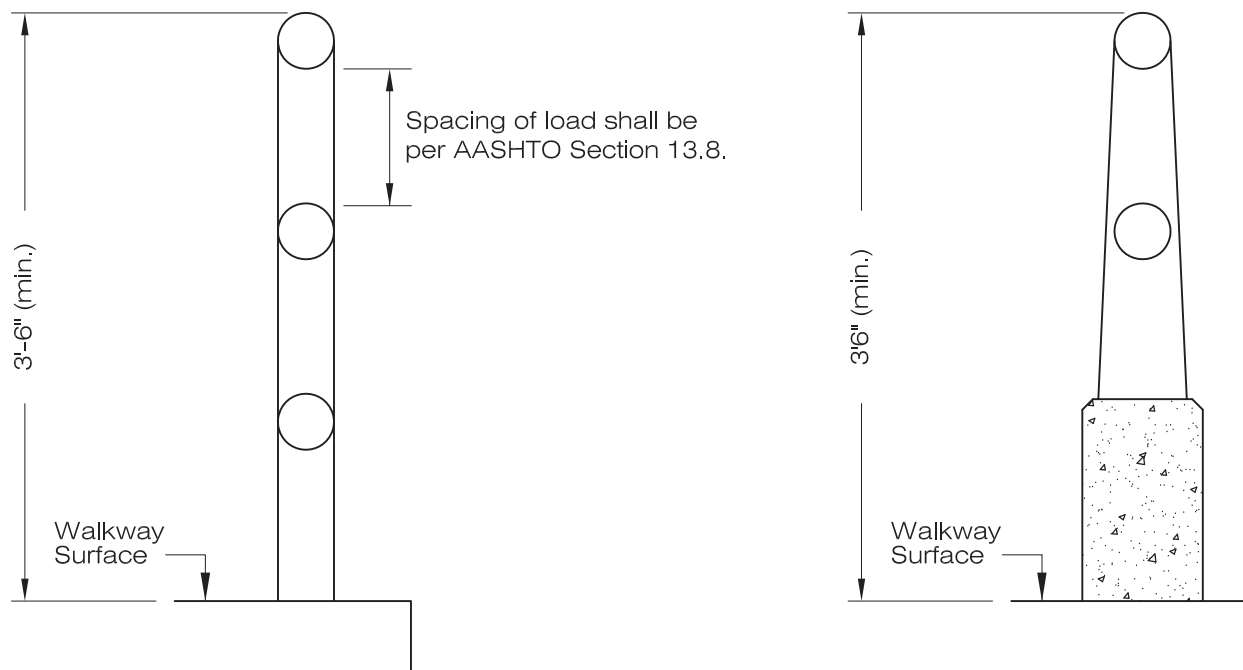
DESIGN
 FIGURE

REVISION NO:

DATE: 08/07/00

FIGURE

11-2



NOTE: To be used on the outer edge of a sidewalk when traffic is separated from pedestrian traffic by a traffic railing. Railing shape illustrative only.

FROM AASHTO ROADWAY GUIDELINE

PEDESTRIAN RAILING LOADS

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

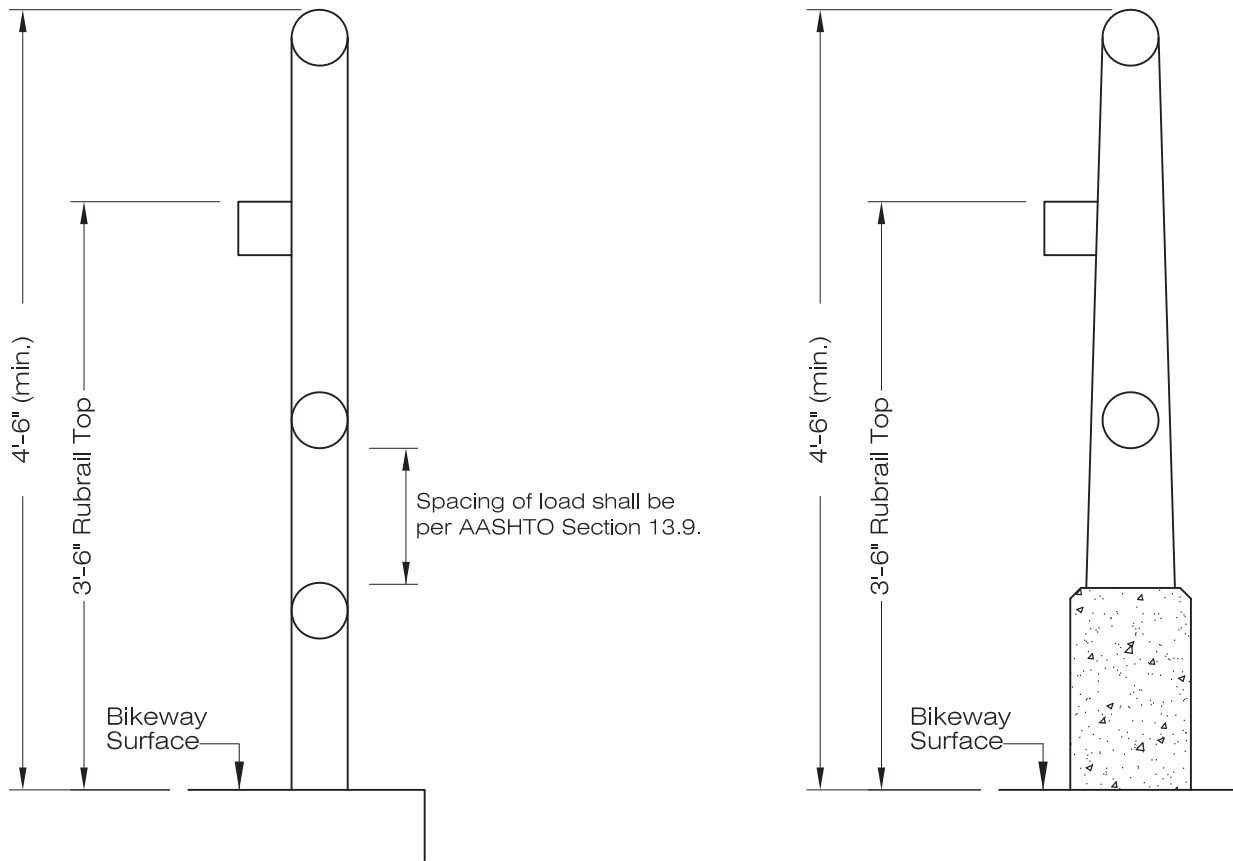
DESIGN
FIGURE

REVISION NO:

DATE: 08/07/00

FIGURE

11-3



NOTE: To be used on the outer edge of a bikeway when traffic is separated from bicycle traffic by a traffic railing. Railing shape illustrative only.

FROM AASHTO ROADWAY GUIDELINE

BICYCLE RAILING LOADS

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

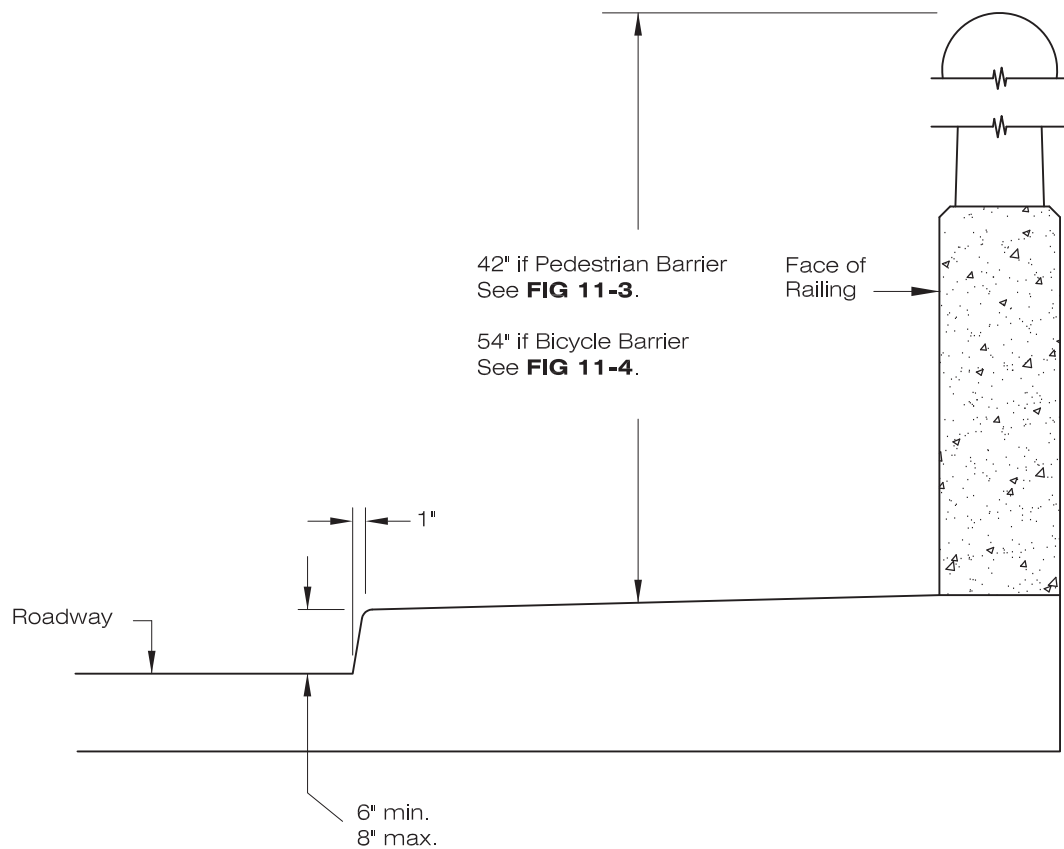
DESIGN
FIGURE

REVISION NO:

DATE: 08/07/00

FIGURE

11-4



FROM AASHTO ROADWAY GUIDELINE

COMBINATION VEHICLE, PEDESTRIAN, BICYCLE BARRIER

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

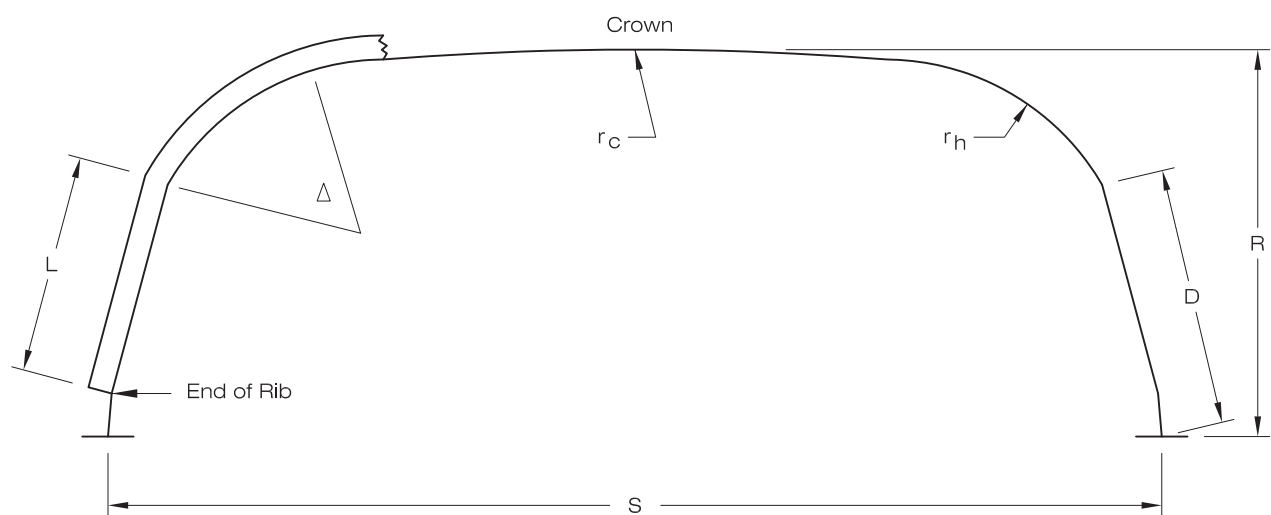
DESIGN
FIGURE

REVISION NO:

DATE: 08/07/00

FIGURE

11-5



FROM AASHTO ROADWAY GUIDELINE

STRUCTURAL PLATE BOX GEOMETRIC REQUIREMENTS

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

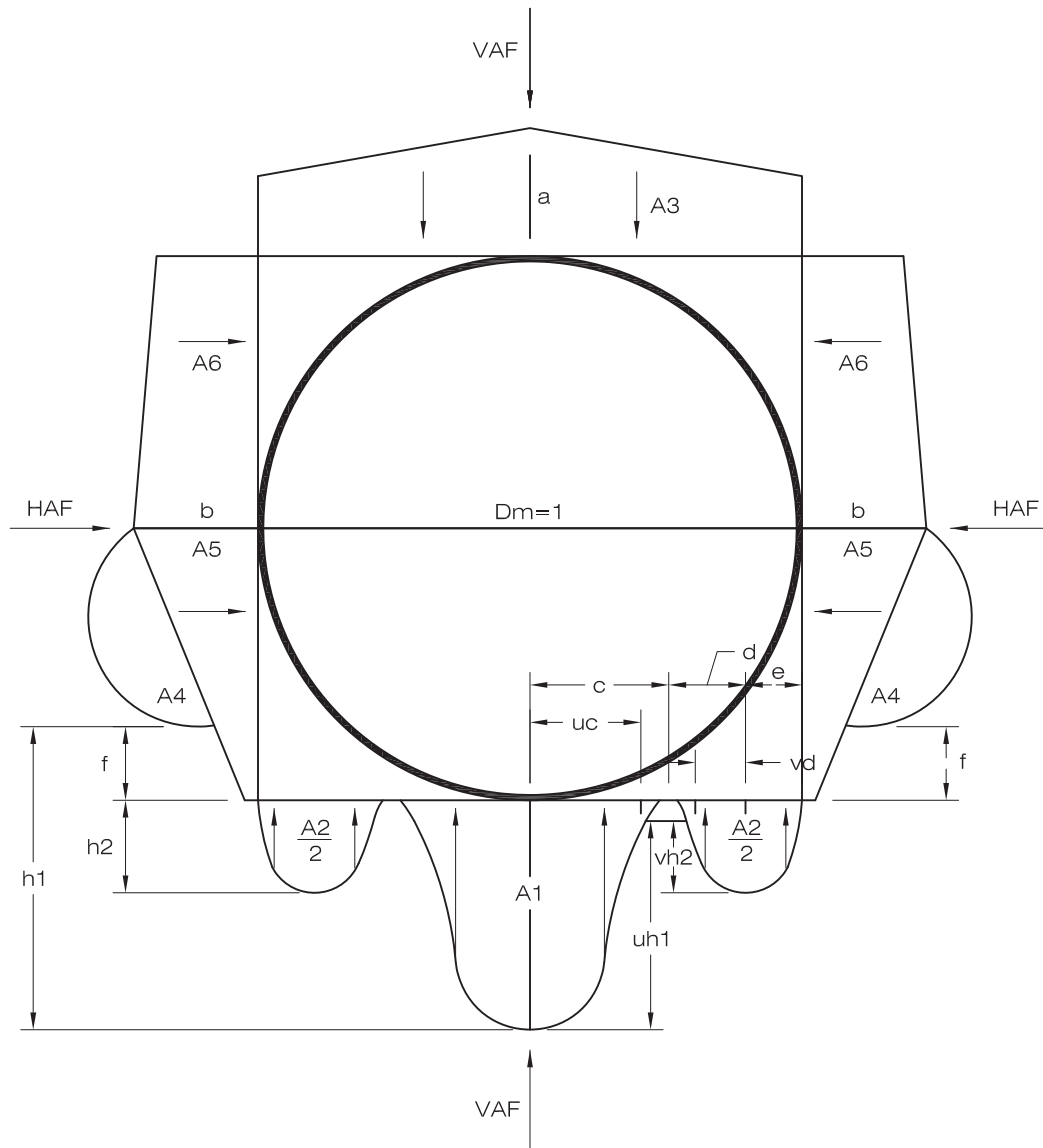
DESIGN
FIGURE

REVISION NO:

DATE: 08/07/00

FIGURE

11-6



NOTES:

1. VAF and HAF are vertical and horizontal arching factors. These coefficients represent nondimensional total vertical and earth loads on the pipe, respectively. The actual total vertical and horizontal loads are $(VAF) \times (PL)$ and $(HAF) \times (PL)$, respectively, where PL is the prism load.
2. Coefficients A1 through A6 represent the integration of nondimensional vertical and horizontal components of soil pressure under the indicated portions of the component pressure diagrams, i.e., the area under the component pressure diagrams.
3. The pressures are assumed to vary either parabolically or linearly, as shown in Figure 1, with the nondimensional magnitudes at governing points represented by $h1$, $h2$, $uh1$, $vh2$, a , and b .

FROM AASHTO ROADWAY GUIDELINE

HEGER PRESSURE DISTRIBUTION & ARCHING FACTORS

LARIMER COUNTY
URBAN AREA
STREET STANDARDS

DESIGN
FIGURE

REVISION NO:

DATE: 08/07/00

FIGURE

11-7