Use Type "A" ramp when
obstructions which are not to be
removed are encountered on
either side of wheelchair ramps.

Type "B" ramp is used where
walking surfaces are
continuous around or
throughout the property.

Type "C" ramp is used in
areas of slopes above 1:10,
either on or above
the traveled portion.

Type "D" ramp is used when
ramp width is limited.

Ramp may be constructed to
be extended beyond the
margin (2.0% slope max).

Sidewalk may be extended
to a maximum height of
1.5" on either side of the
ramp.

Face of curb = depressed curb
Type "B" only.

Top of curb = gutter line

ELEVATION

Wheelchair ramp profiles

Tactile warning details

Installation notes

The truncated cone surface shall contrast visually with
the adjoining walking surfaces.

The truncated cones shall be:
- Precast concrete panels with a normal thickness of
  3/8 inch to 1 inch and a minimum size of 6" x 6". They
  shall be constructed with a minimum of #8 rebar concrete,
  conforming to ADA requirements for color contrast and
  dimensions
- Placed cast in place glass and carbon reinforced
  composite panels as manufactured by ADA solutions

- Tactile iron
- Cast iron

Retrofit installations will not require existing depressed
curbing to be replaced. A minimum of 8" to 10" setback
shall be enforced for near edge of
tactile cones.

General Notes

1. Ramp dimensions shown are based on a curb height of 6" inches.
   All dimensions should be adjusted for other curb heights.
   The maximum permissible slope of the wheelchair ramps is 1:15.
   The maximum permissible slope of the wheelchair ramps may be
   increased to 1:12 if the end of a rise is 3 feet or
   less.

2. Transverse grooving shall not be used on ramps.

3. Structural structures shall not be placed in line with
   the ramps.

4. The normal gutter line profile shall be maintained through
   the area of the ramp with 1:5 slope (design max). See note no. 18.

5. Wheelchair ramps should be located so that the ramp will be
   on the traffic approach side of any obstacle.

6. Wheelchair ramps should be built as shown on the plans.

7. Pipe railing construction details, when required at Type "B"
   wheelchair ramps, shall be shown on the plans.

8. Expiration, bracket, expansion joint material, pipe railing,
   and other related materials will be furnished, but not be paid
   for separately. The cost thereof shall be included in the
   cost of the sidewalk ramp.

9. All features of construction excluding but not limited to
   sidewalks, curb ramps, and crosswalk markings shall be
   constructed in accordance with the proposed rights-of-way
   accessibility guidelines and specifications.

10. All features of construction shall be constructed in
    accordance with the proposed rights-of-way accessibility
definitions and specifications.

11. The contractor shall keep the engineer informed on all
    construction activities that might affect the accessibility
    improvements. The contractor shall immediately notify the
    engineer upon discovery of such features. The contractor shall
    not proceed with any aspect of the work which is not in full
    compliance with the accessibility definitions and
    specifications.

12. The costs of accessibility improvements shall be
    included in the bid, and such costs shall not be
    claimed separately.

13. The truncated cones will be measured and paid for by
    the linear foot.

14. The ramp shall be paid for by the linear foot.

15. Standard sidewalk ramps shall meet the ADA accessibility
techonology requirements as shown at www.access-board.gov/