1. The curb ramp type includes the ramp and flared sides as indicated on the details. A level landing shall be provided at the high end of every curb ramp.

2. For details of sidewalk curb ramp types see Standard Drawings E 604-SWCR-03 to -11.

3. The curb ramps shall be placed within the marked crosswalk area.

4. Flared side of sidewalk curb ramp next to utility strip shall be sodded.

GENERAL NOTES:

1. These dimensions are based on a 6 in. curb height. They shall be proportionally adjusted for other curb heights.

2. Where site inaccessibility precludes construction to the width shown, such width may be decreased to a minimum of 3'-0.

3. The bottom edge of the curb ramp shall be flush with the edge of adjacent pavement and gutter line.

4. Landing areas at the top of curb ramps shall have maximum cross slope of 50:1 in any direction. When site inaccessibility precludes a landing slope of 60:1 in any direction, the slope perpendicular to the curb face shall not exceed 50:1.

5. If site inaccessibility precludes construction to the width shown, the landing width may be decreased to 3'-0 minimum. The running slope of the curb ramp may be steepened to a maximum of 10:1 for a maximum 8 in. rise.

6. Drainage inlets should be located uphill from curb ramps to prevent puddles at the path of travel.

7. See Standard Drawing E 604-SMACR-12 for improved access on narrow sidewalks.

8. Algebraic difference in grade between the base of curb ramp and the gutter shall be limited to less than 1%. If it is not practical, a 2'-0 wide level strip shall be provided. See detail sketch.

9. Minimum recommended width of curb ramp is 4'-0.

CHANGE OF GRADE

Square pattern
TRUNCATED DOMES USED IN DETECTABLE WARNINGS

DETAIL OF RAMP GROOVES

RAmp AND BRICK SURFACE CONSTRUCTION DETAIL

ALTERNATE CURB CONSTRUCTION
NOTES:


7. See Standard Drawing E 604-SWCR-02 for details of the detectable warning.


9. See Standard Drawing E 604-SWCR-01 and -02 for Location Plan and General Notes respectively.

NOTES:


7. See Standard Drawing E 604-SWCR-02 for details of the detectable warning.


10. See Standard Drawing E 604-SWCR-01 and -02 for Location Plan and General Notes respectively.
NOTES:


7. See Standard Drawing E 604-SWCR-02 for details of the detectable warning surface.


10. See Standard Drawing E 604-SWCR-01 and -02 for Location Plan and General Notes respectively.
NOTES:

10. See Standard Drawing E 604-SWCR-01 and -02 for Plan Location and General Notes respectively.
11. Street furnishing such as planter, signal base, etc.

SECTION B-B

INDIANA DEPARTMENT OF TRANSPORTATION
SIDEWALK RAMP CURB
TYPE D
SEPTEMBER 2005
STANDARD DRAWING NO. E 604-SWCR-05

SECTION A-A
NOTES:


7. See Standard Drawing E 804-SWCR-02 for details of detectable warning surface.


10. See Standard Drawing E 804-SWCR-01 and -02 for Plan Location and General Notes respectively.

11. Street furnishing such as planter, signal base, etc.
NOTES:


7. See Standard Drawing E 804-SWCR-02 for details of the detectable Warnings.


10. Curb or wall shall be used when necessary based on field conditions.

11. See Standard Drawings E 804-SWCR-01 and 02 for Location Plan and General Notes respectively.
NOTES:

7. See Standard Drawings E 604-SWCR-02 for details of the detectable warning surface.
10. Sidewalk across approach shall be sloped at 50:1 maximum transversely.
12. See Standard Drawing E 604-SWCR-01 and -02 for Location Plan and General Notes respectively.
13. Vertical face curb optional.
SECTION A-A

NOTES:


9. Curb optional. Shall be used when necessary based on field conditions.


11. See Standard Drawing E 604-SWCR-01 and -02 for Location Plan and General Notes respectively.

SECTION B-B
NOTES:

9. Match material in place or in plane for median.
11. See Standard Drawing E 604-SWCR-01 and -02 for Location Plan and General Notes respectively.
12. Ramp cross slope 50:1 desirable or match grade of roadway.
13. Detectable warnings are not required where the roadway crossing is controlled by traffic signals timed to provide full width street crossing by pedestrians.

SECTION A-A

INDIANA DEPARTMENT OF TRANSPORTATION

SIDEWALK CURB Ramps
TYPE L

SEPTEMBER 2005

STANDARD DRAWING NO. E 604-SWCR-11

Ramp length
Slope 12:1 or flatter

Ramp length
Slope 12:1 or flatter

4'-0 Landing

Raised median 6'-0 min. 5'-3 6'-0 min. Raised median

SECTION B-B

Pavement

Raised median
NOTES:

1. Additional right-of-way to widen sidewalks if applicable to improve accessibility on narrow sidewalks.

2. See Standard Drawing E 804-SWCR-02 and -03 to -11 for General Notes and typical curb ramps details respectively.
<table>
<thead>
<tr>
<th>Curb Ramp Type</th>
<th>6&quot; curb</th>
<th>8&quot; curb</th>
<th>Pay limits diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Assumptions for calculation purposes (top landing not included in area)</td>
<td>Area sq. yd</td>
<td>Assumptions for calculation purposes (top landing not included in area)</td>
</tr>
<tr>
<td>A</td>
<td>10' sidewalk</td>
<td>7.0</td>
<td>12' sidewalk</td>
</tr>
<tr>
<td>B</td>
<td>R = 10', 13' sidewalk R = 26', 18' sidewalk</td>
<td>16.4</td>
<td>R = 10', 15' sidewalk R = 26', 20' sidewalk</td>
</tr>
<tr>
<td>C</td>
<td>6' utility strip</td>
<td>2.7</td>
<td>8' utility strip</td>
</tr>
<tr>
<td>D</td>
<td>8' utility strip</td>
<td>2.7</td>
<td>8' utility strip</td>
</tr>
<tr>
<td>E</td>
<td>10' utility strip on one side only, 10' radius</td>
<td>10.7</td>
<td>Not possible to construct on 10' utility strip</td>
</tr>
<tr>
<td>F</td>
<td>R = 15', 4' sidewalk R = 25', 4' sidewalk</td>
<td>14.3</td>
<td>R = 15', 4' sidewalk R = 25', 4' sidewalk</td>
</tr>
<tr>
<td>G</td>
<td>minimum dimensions</td>
<td>4.9</td>
<td>minimum dimensions</td>
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<tr>
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<tr>
<td>K</td>
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<tr>
<td>L</td>
<td>16' grass median width</td>
<td>9.3</td>
<td>18' grass median width</td>
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