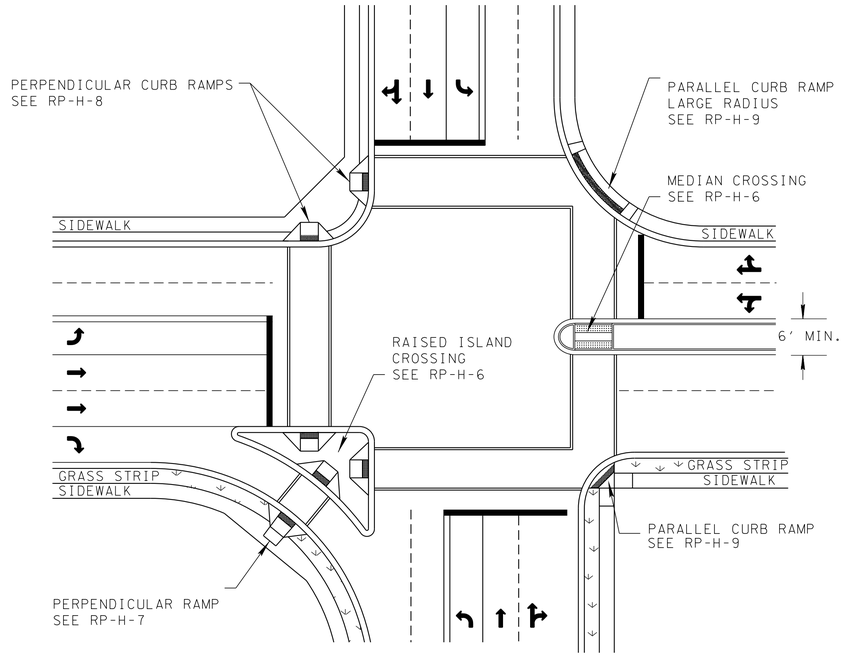
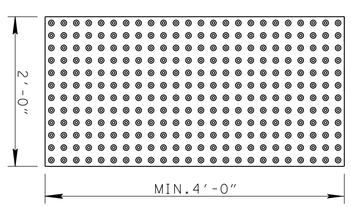
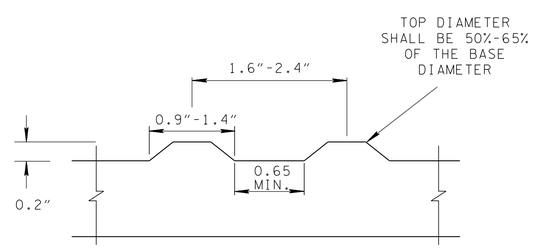


PLAN VIEW

(EXAMPLE LAYOUT SHOWING EACH RAMP TYPE; SEE REFERENCED STANDARD DRAWINGS FOR SPECIFIC ALIGNMENT INFORMATION)



TRUNCATED DOME SURFACE DETAIL



TRUNCATED DOME SURFACE ELEVATION VIEW (TYP.)

TRUNCATED DOME SURFACE NOTES

1. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHOULD EXTEND ONLY 2 FEET IN THE DIRECTION OF TRAVEL.
2. THE DETECTABLE WARNING SURFACES SHALL BE YELLOW. THE COLOR YELLOW IS USED BECAUSE YELLOW IS THE LAST COLOR A VISUALLY IMPAIRED PERSON CAN DETECT PRIOR TO TOTAL LOSS OF VISION. TRUNCATED DOME SURFACES SHALL BE CONSTRUCTED USING PRODUCTS APPROVED ON THE TDOT QUALIFIED PRODUCTS LIST (QPL) 37.

GENERAL NOTES

(A) DETAILS SHOWN ON THIS PLAN APPLY TO THE CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS, OR SIDEWALKS.

(B) CURB RAMPS ARE TO BE LOCATED AS SHOWN ON THE PLANS.

(C) CURB RAMPS SHALL BE PROVIDED AT ALL CORNERS OF STREET INTER-SECTIONS WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT MIDBLOCK CROSS-WALK LOCATIONS AND ACROSS FROM CORNER RAMPS AT T-INTERSECTIONS.

(D) THE FIRST TWO FEET OF RAMP MUST CONSIST OF A TRUNCATED DOME SURFACE. RAMPS SHALL INCLUDE THE TRUNCATED DOME SURFACE TO PROVIDE A DETECTABLE WARNING FOR VISUALLY IMPAIRED PEDESTRIANS.

(E) CARE SHALL BE TAKEN TO ENSURE A UNIFORM GRADE ON THE RAMP. THE GRADE SHALL BE FREE OF SAGS AND SHORT GRADE CHANGES.

(F) DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS. INSTALL CATCH BASINS ON UPSTREAM SIDE OF RAMP FOR ROADS WITH GRADES LESS THAN 2%.

(G) CROSS-WALK MARKINGS, IF USED, SHALL BE LOCATED AS SHOWN ON THE APPLICABLE CURB RAMP STANDARD DRAWING. FOR CROSS-WALK MARKING DETAILS, SEE T-M-4.

(H) FOR PERPENDICULAR CURB RAMP DESIGN DETAILS, SEE RP-H-4. FOR PARALLEL CURB RAMP DESIGN DETAILS, SEE RP-H-5.

(I) PAYMENT:

COST OF THE LOWERED CURB AND GUTTER TO BE INCLUDED IN THE PRICE OF ITEM NO. 702-01, CONCRETE CURB OR ITEM NO. 702-03, CONCRETE COMBINED CURB & GUTTER.

ALL COSTS OF INSTALLING CURB RAMP(S), INCLUDING TRUNCATED DOME SURFACE(S) IN EXISTING SIDEWALK AREAS, REMOVAL OF THE EXISTING SIDEWALK, AND ADJUSTMENT OF GUTTER PAN SLOPE, SHALL BE BID FOR UNDER THE FOLLOWING PAY ITEM:

701-02.01 CONCRETE CURB RAMP (RETROFIT) PER SQUARE FOOT.

PAYMENT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION OF THE CURB RAMP(S), INCLUDING INSTALLATION OF TRUNCATED DOME SURFACE(S).

ALL COSTS OF INSTALLING CURB RAMP(S), INCLUDING TRUNCATED DOME SURFACE(S) IN NEWLY CONSTRUCTED SIDEWALK AREAS, SHALL BE BID FOR UNDER THE FOLLOWING PAY ITEM:

701-02.03 CONCRETE CURB RAMP PER SQUARE FOOT.

PAYMENT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION OF THE CURB RAMP(S), INCLUDING INSTALLATION OF TRUNCATED DOME SURFACE(S).

(J) FOR SIGNALIZED INTERSECTIONS THAT REQUIRE PEDESTRIAN SIGNAL PUSHBUTTONS, SEE TDOT TRAFFIC DESIGN MANUAL FOR PLACEMENT DETAILS.

- REV. 7-17-07: REVISED SIZE AND SPACING OF TRUNCATED DOMES, ADDED NOTE (E). MODIFIED SPECIAL PAVER NOTES.
- REV. 4-13-11: ADDED LOWERED CURB FOOTNOTE (1) TO TRUNCATED DOME DETAIL. MISC. EDITS TO DRAWING.

  REV. 5-8-13: ADDED GUTTER SLOPE DETAIL AND REVISED NOTE (1). UPDATED TERMINOLOGY.
- REV. 6-4-13: ADDED SECTION A-A. CLARIFIED NOTE (1). ADDED NOTE (Q). CHANGED ITEM DESCRIPTION.
- REV. 11-25-13: REVISED NOTES (C), (F), (M), (N), AND ADDED NOTE (R).

  REV. 1-30-15: VARIOUS DRAFTING EDITS. REVISED GENERAL NOTES.
- REV. 10-10-16: REVISED GENERAL NOTES AND TRUNCATED DOME SURFACE NOTES.

☐ MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CURB RAMP AND TRUNCATED DOME SURFACE DETAIL

1-15-07 | RP-H-3

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