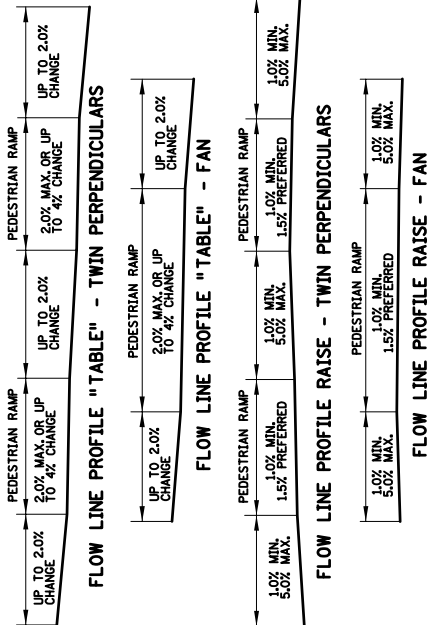


EXPANSION MATERIAL PLACEMENT  
FOR CONCRETE ROADWAYS

CURB LINE REINFORCEMENT ①  
PLACEMENT ON BITUMINOUS ROADWAYS



CURB LINE AND ROAD CROSSING ADJUSTMENTS

GENERAL NOTES:

- "TABLING" OF CROSSWALKS MEANS MAINTAINING LESS THAN 2% CROSS SLOPE WITHIN A CROSSWALK. IS REQUIRED WHEN A ROADWAY IS IN A STOP OR YIELD CONDITION AND THE PROJECT SCOPE ALLOWS. "TABLING" OF ENTIRE CROSSWALK SHALL OCCUR WHEN FEASIBLE.
- RECONSTRUCTION PROJECTS: ON FULL PAVEMENT REPLACEMENT PROJECTS
- MILL & OVERLAY PROJECTS: "TABLING" OF FLOW LINES, IN FRONT OF THE PEDESTRIAN RAMP, IS REQUIRED WHEN THE EXISTING FLOW LINE IS GREATER THAN 2% WARPING OF THE BITUMINOUS PAVEMENT CAN NOT BE EXTENDED TO THE THROUGH LANE. TABLE THE FLOW LINE TO 2% OR AS SHOWN ON THE PLAN.
- 1.0% MIN. CROSS-SLOPE OF THE ROAD
- 5.0% MAX. CROSS-SLOPE OF THE ROAD
- UP TO 2% CHANGE IN FLOW LINE FROM EXISTING SLOPE IN FRONT OF PEDESTRIAN RAMP
- UP TO 4% CHANGE IN FLOW LINE FROM EXISTING SLOPE BEYOND THE PEDESTRIAN CURB RAMP
- STAND-ALONE ADA RETROFITS: FOLLOW MILL & OVERLAY CRITERIA ABOVE HOWEVER ALL PAVEMENT WARPING IS DONE WITH BITUMINOUS PATCHING ON BITUMINOUS ROADWAYS AND FULL-DEPTH APRON REPAIRS ON CONCRETE ROADWAYS.
- RAISING OF CURB LINES SHOULD OCCUR IN VERTICALLY CONSTRAINED AREAS. RAISE THE CURB LINES ENOUGH TO MAINTAIN THE MINIMUM CROSS-SLOPE OF THE ROAD.
- 1.0% MIN. FLOW LINE (ON EITHER SIDE OF PEDESTRIAN RAMP) TO MAINTAIN POSITIVE DRAINAGE
- 5.0% RECOMMENDED MAX. FLOW LINE
- LONGITUDINAL THROUGH LANE ROADWAY TAPERS SHOULD BE 1" VERTICAL PER 15' HORIZONTAL

NOTES:

- TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF A RAMPED SURFACE RUNNING SLOPE GREATER THAN 2% SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR.
- FOLLOW SIDEWALK REINFORCEMENT DETAILS ON THIS SHEET FOR ALL SEPARATELY POURED INITIAL LANDINGS.
- DRILL AND GROUT NO. 4 12" LONG REINFORCEMENT BARS (EPOXY COATED) AT 36" MAXIMUM CENTER TO CENTER MINIMUM 12" SPACING FROM CONSTRUCTION JOINTS. BARS TO BE ADJUSTED TO MATCH RAMP GRADE. BARS TO BE PAID BY EACH.
- DRILL AND GROUT 2" - NO. 4 X 12" LONG 16" EMBEDDED REINFORCEMENT BARS (EPOXY COATED).
- THIS CURB LINE REINFORCEMENT DETAIL SHALL BE USED ON BITUMINOUS ROADWAYS. FOR CONCRETE ROADWAYS, SEE NOTE 6.
- CONSTRUCT WITH EXPANSION MATERIAL PER MNDOT SPECIFICATION 3702 TYPES A-E. EXPANSION MATERIAL SHALL MATCH FULL HEIGHT OF ADJACENT CONCRETE.
- USE AN APPROVED TYPE F (1/4 INCH THICK) SEPARATION MATERIAL. SEPARATION MATERIAL SHALL MATCH FULL HEIGHT DIMENSION OF ADJACENT CONCRETE.

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mm MINNESOTA  
DEPARTMENT  
TRANSPORTATION

STANDARD PLAN 5-297.250 6 OF 6

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J. J. J. J.

STATE PROJ. NO. (TH ) SHEET NO. OF SHEETS

PEDESTRIAN CURB RAMP DETAILS