



NOTES

1. THE WIDTH OF THE TOP OF RAISED CROSSWALKS SHOULD MATCH THE WIDTH OF THE CONNECTING SIDEWALK, SHARED USE PATH, OR DESIRED CROSSWALK, BUT NOT LESS THAN 10' IN WIDTH.
2. MODIFICATIONS TO EXISTING STREET PAVING, COLD PLANE AND OVERLAY ASPHALT, OR RECONSTRUCTION OF PAVING REQUIRED AS NECESSARY TO RESTORE A SMOOTH TRANSITION AND STREET CROWN, MATCH PAVING MATERIALS AND THICKNESS, AND WARP NEW GUTTER TO JOIN INVERT AT INLET.
3. WHERE POSITIVE DRAINAGE CANNOT BE ACHIEVED, INSTALL SUPPLEMENTAL DRAIN INLET AND CONNECT TO EXISTING STORMWATER CONVEYANCE SYSTEM.
4. PLACE CROSSWALK 2' (MIN) FROM POLES, HYDRANTS, OR OTHER VERTICAL OBSTRUCTIONS.
5. CROSSWALK CROSS SLOPES SHOULD BE NO GREATER THAN 2%, HOWEVER, AT MIDBLOCK LOCATIONS THE CROSS SLOPE MAY MATCH THE EXISTING STREET GRADE.
6. CROSSWALK LONGITUDINAL SLOPE SHOULD NOT EXCEED 5%
7. GRADE BREAKS SHOULD BE DETERMINED BASED ON EXISTING ROADWAY SPEEDS AND DESIRED SPEED REDUCTION, GENERALLY HIGHER GRADE BREAKS CORRESPONDS TO HIGHER SPEED REDUCTION

ROADWAY LONGITUDINAL SLOPE	APPROACH RAMP LENGTH			
	5-6% GRADE BREAK		8-10% GRADE BREAK	
	UPHILL	DOWNHILL	UPHILL	DOWNHILL
0%	5.0'-5.5' (3.0'-4.0')	5.0'-5.5' (3.0'-4.0')	3.0'-3.5' (2.0'-2.5')	3.0'-3.5' (2.0'-2.5')
2%	5.0'-5.5' (3.0'-4.0')	5.0'-5.5' (3.0'-4.0')	3.0'-3.5' (2.0'-2.5')	3.0'-3.5' (2.0'-2.5')
4%	5.0'-5.5' (3.0'-4.0')	8.0'-10.0' (6.5'-7.5')	3.0'-3.5' (2.0'-2.5')	5.0'-6.0' (4.0'-5.0')
6%	5.0'-5.5' (3.0'-4.0')	11.0'-13.5' (9.5'-11.5')	3.0'-3.5' (2.0'-2.5')	6.5'-8.5' (5.5'-7.0')

NOTE: PRIMARY RAMP LENGTHS ASSUME A 6-INCH TALL RAISED CROSSING. RAMP LENGTHS IN PARENTHESIS ASSUME A 4-INCH TALL RAISED CROSSING.

ROADWAY TYPE	GRADE BREAK RANGE	
	MIN	MAX
LOCAL	8%	10%
COLLECTOR	5%	6%
ARTERIAL	5%	6%

DRAWN BY: TW

CHECKED BY: CS

APPROVED BY:
DIRECTOR OF PUBLIC WORKS

CITY OF BOULDER, COLORADO

RAISED CROSSING
DETAIL

ISSUED: XXX XX, 2021

REVISED: XXX XX, 2021

DRAWING NO.

X.XX.X