CDOT recognizes that it is not always practical for altered elements, spaces, or facilities to fully comply with new construction requirements due to the presence of existing constraints. In alteration projects where existing physical constraints make it impractical for curb ramps to fully comply with the PROWAG 2011 requirements for new construction, compliance is required to the extent practical within the scope of the project. Existing physical constraints include underlying terrain, structures, adjacent developed facilities, drainage, or the presence of a notable natural or historic feature.

The Curb Ramp Variance Support Document must be completed for each ramp that cannot conform to accessibility criteria during new construction, reconstruction or alteration (see Table 1 for PROWAG technical requirements). The form should also be utilized to document individual curb ramps that were built in accordance to previous CDOT M-Standards (prior to CDOT's adoption of the PROWAG 2011 requirements in September 2016) as well as in instances where the intention is to upgrade the curb ramp to adhere to Functionally Accessible criteria (see Table 2). Provide one form for each curb ramp to the Civil Rights and Business Resource Center.

All fields in red are required. Please complete and submit forms electronically.

Section 1: Complete for all individual curb ramps

Date	Project #		Region #	City
Curb Ramp ID Number (verify in Survey123): Format: Route #_Mile Post_Ramp Pos ID (i.e. 040C_210.452_CDL)				
Primary State Highway:	Secondary Route/Street:			

Purpose of Form:

☐ **Identified Curb Ramp adheres to previous CDOT M-Standards (if selected, please indicate which Standard was used and project number): Standard: _____ Project #: _____**

☐ **Upgraded Curb Ramp to meet Functional Accessibility Criteria**

☐ **Document variance of PROWAG Technical Requirements (if selected, please identify option below and ensure Section 2 is completed)**

CDOT New Construction ☐ **CDOT Reconstruction or Alteration** ☐ **Constructed by Other Entity** ☐

Submitted By	
Printed Name	Title
E-Signature	Date (Omit if E-Signed)
The planned/constructed curb ramp is not in full compliance with accessibility criteria. As determined by the **Program Engineer**, this curb ramp provides a level of accessibility to the maximum extent feasible.	
Program Engineer	
Printed Name	Title/Area
E-Signature	Date (Omit if E-Signed)

Section 2: Complete this section if "Document variance of PROWAG Technical Requirements" is selected above

Variance Requested (Select all being requested)			
	DIMENSION	☐ Curb Ramp Width	☐ Turning Space Width ☐ Turning Space Length
	SLOPE	☐ Curb Ramp Running Slope ☐ Turning Space Running Slope ☐ Flare Slope	☐ Curb Ramp Cross Slope ☐ Turning Space Cross Slope ☐ Gutter Counter Slope
	DETECTABLE WARNING SURFACE	☐ Alignment/Placement ☐ Width	☐ Contrasting Color ☐ Depth
	OTHER	☐ Flush Surfaces ☐ Clear Space	☐ Perpendicular Grade Break
	CURB RAMP REMOVAL/OMISSION FROM PROJECT	☐ No existing pedestrian facilities or pedestrian demand exists at the location that necessitates the need for a curb ramp (i.e. no sidewalk, transit stops, pedestrian signals, access to PPB, social path, etc.) (attach supporting documentation). Consultation and concurrence from Local Agency is required. ☐ Removal of curb ramp and associated pedestrian crossing due to pedestrian safety issue (attach supporting documentation). Consultation and concurrence from Local Agency is required.	

Description of Deviation from PROWAG 2011 Requirement(s):

Provide a description of deviation required from the curb ramp technical requirements listed in Table 1

☐ Additional page(s) attached or photos attached. Label with curb ramp ID number and date.

Justification for Deviation and/or Exclusion

Provide engineering justification why curb ramp could not meet the noted criteria. Describe how curb ramp was made accessible to the maximum extent feasible/practicable.

☐ Additional page(s) attached or photos attached. Label with curb ramp ID number and date.

Summary of Curb Ramp Technical Requirements –
Public Rights-of-Way Accessibility Guidelines (PROWAG 2011)

Table 1

Requirements Common to All Curb Ramp Types	
Curb Ramp Location	• Curb ramps at marked crossings must be wholly contained within the crosswalk, excluding side flares
Curb Ramp Running Slope	• 8.3% Maximum
Curb Ramp Width	• 48 IN. Minimum • Curb Ramps servicing Shared Use Paths must match the width of the path they serve.
Grade Breaks	• Grade breaks at the top and bottom of ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks are not permitted on the surface of ramp runs or turning spaces.
Flush Surfaces	• With beveled edge across entire vertical surface discontinuity: 0.5" max. discontinuity • Without beveled edge: 0.25" max. discontinuity
Gutter Counter Slope	• 5.0% Maximum
Clear Space (Diagonal Ramps)	• Where one curb ramp services street crossings in two directions (i.e. single diagonal ramp on the apex of a corner), a 4 FT. x 4 FT. clear space at the bottom of the ramp must be present and be wholly outside of adjacent vehicle travel lanes.
Detectable Warning Surface	• Shall consist of truncated domes with domes aligned in a square grid or radial pattern • Shall contrast visually with surrounding surface, either dark-on-light or light-on- dark • Shall be 24 IN. deep • Shall span the width of the ramp, turning space, or shared use path (within 2 IN. of each edge) • Shall conform to placement details as shown on CDOT Standard Plan M-608-1
Curb Ramp Length Note	• Per CDOT M-Standards note, a ramp is not required to chase grade more than 15 FT
Additional Requirements for Perpendicular Curb Ramps	
Curb Ramp Cross Slope	• 2.0% Maximum, at crossings with yield or stop control (yield sign or stop sign) • May match roadway grade at crossings without yield or stop control *(street crossings without yield or stop control are locations where vehicles can proceed through the intersection without slowing or stopping)* • May match roadway grade at mid-block crossings
Turning Space Dimensions	• 48 IN. x 48 IN. Minimum

	• 48 IN. x 60 IN. Minimum if turning space is constrained at the back. 60 IN. dimension shall be provided in the direction of the ramp run.
Turning Space Running Slope	• 2.0% Maximum
Turning Space Cross Slope *(Measured in the same direction as the ramp cross slope)*	• 2.0% Maximum at crossings with yield or stop control (yield sign or stop sign) • May match roadway grade at crossings without yield or stop control *(street crossings without yield or stop control are locations where vehicles can proceed through the intersection without slowing or stopping)* • May match roadway grade at mid-block crossings
Ramp Flares	• Where a ramp edge abuts a walkable surface, a flared side shall be provided. Ramp Flare slope shall not exceed 10.0%.
Additional Requirements for Parallel Curb Ramps	
Curb Ramp Cross Slope	• 2.0% Maximum
Turning Space Dimensions	• 48 IN. x 48 IN. Minimum • 48 IN. x 60 IN. Minimum if turning space is constrained at the back. 60 IN. dimension shall be provided in the direction of the street crossing.
Turning Space Running Slope *(Measured in the direction of the street crossing)*	• 2.0% Maximum
Turning Space Cross Slope *(Measured in the direction of the ramp run)*	• 2.0% Maximum at crossings with yield or stop control (yield sign or stop sign) • May match roadway grade at crossings without yield or stop control *(street crossings without yield or stop control are locations where vehicles can proceed through the intersection without slowing or stopping)* • May match roadway grade at mid-block crossings
Additional Requirements for Blended Transitions & Depressed Corners	
Center Ramp Running Slope	• 5.0% Maximum
Curb Ramp Cross Slope	• 2.0% Maximum at crossings with yield or stop control (yield sign or stop sign) • May match roadway grade at crossings without yield or stop control *(street crossings without yield or stop control are locations where vehicles can proceed through the intersection without slowing or stopping)*
Turning Space Dimension	• 48 IN. x 48 IN Minimum
Turning Space Cross Slope & Running Slope	• 2.0% Maximum at crossings with yield or stop control (yield sign or stop sign) • May match roadway grade at crossings without yield or stop control *(street crossings without yield or stop control are locations where vehicles can proceed through the intersection without slowing or stopping)*
Ramp Flares	• Where a ramp edge abuts a walkable surface, a flared side shall be provided. Ramp Flare slope shall not exceed 10.0%.

Table 2

Running Slope	• 8.3% or less
Cross Slope	• 2% (or equal to street or highway grade when Stop or Yield control is not present. Mid-block crossings may also equal the street or highway grade.)
Curb Ramp Width	• 48 inches or greater
Curb Ramp Joints or Grade Breaks	• Are flush
Turning Space Area	• 48 inches x 48 inches (48 inches x 60 inches for Type 2C curb ramps)
Clear Space Requirement	• 48 inches x 48 inches wholly outside of active traffic lanes for diagonal curb ramps