

Why Are We Here?

Examples of Sidewalk Ramps on East Broadway Corridor



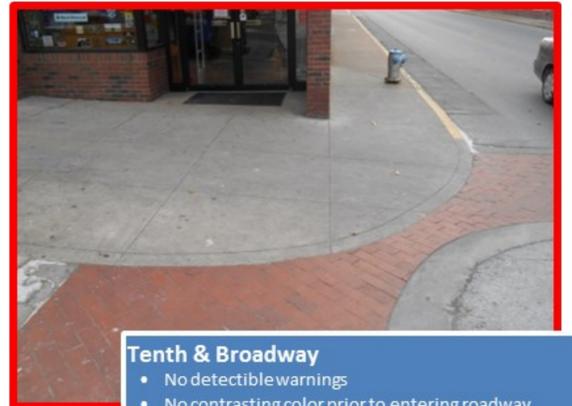
Fourth & Broadway

- No detectable warning
- No contrasting color
- Slope too steep
- Not aligned with crosswalks (either direction)



Seventh & Broadway

- No detectable warning
- No contrasting color
- Slope too steep



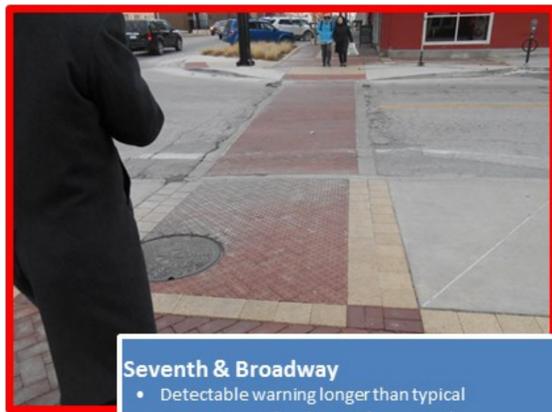
Tenth & Broadway

- No detectable warnings
- No contrasting color prior to entering roadway
- Proximity of building a potential constraint



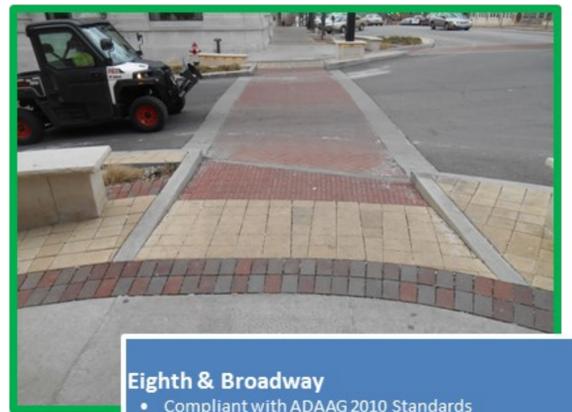
Fifth & Broadway

- Detectable warning stamped in concrete
- Slope too steep



Seventh & Broadway

- Detectable warning longer than typical
- Contrasting color shorter than typical



Eighth & Broadway

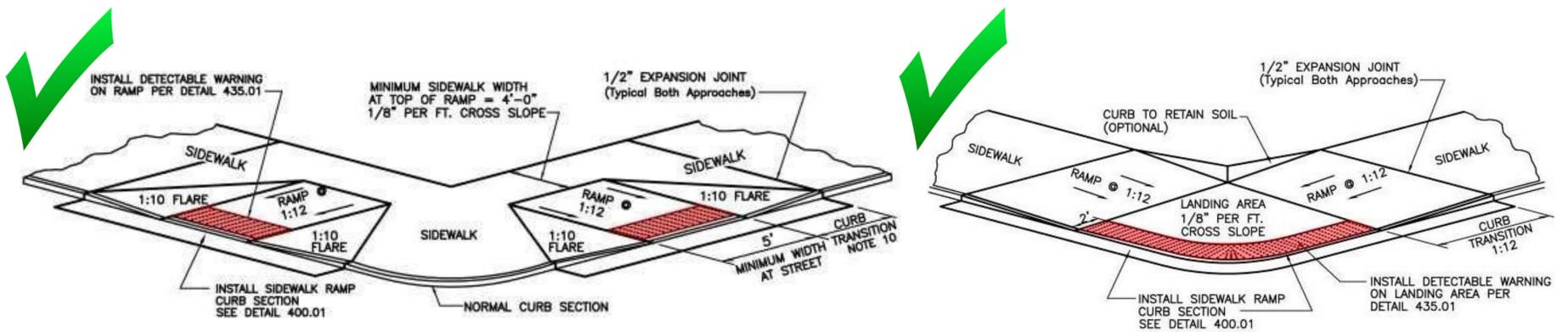
- Compliant with ADAAG 2010 Standards

The *Americans with Disabilities Act of 1990* (ADA) governs the requirements state and local government facilities must follow to be readily accessible to and usable by individuals with disabilities. Standards have been developed to achieve these requirements, and are summarized in the *ADA Accessibility Guidelines (ADAAG) 2010 Standards*, which include the following federal regulations:

- ◆ Title II regulations at 28 CFR 35.151
- ◆ 36 CFR part 1191, appendices B and D

For local governments, this requires bringing existing facilities into compliance with these regulations. Many of the sidewalk ramps on the East Broadway corridor are impacted. Common features of non-compliant, existing ramps include:

COMMON RAMP DEFICIENCY	GENERAL ADAAG REQUIREMENT
Detectable Warnings:	<i>A surface of truncated domes that meet specific size and spacing requirements is needed.</i>
Visual Contrast:	<i>The detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light</i>
Slope:	<i>Ramps shall have 1:12 maximum slopes or lengths greater than 15 feet; curb ramp flares shall not be steeper than 1:10</i>
Landings:	<i>Landings shall be provided at the top and bottom of each ramp. In alterations where there is no landing, ramp flairs shall have less than 1:12 slope.</i>



Typical Details for ADAAG Compliant Ramp



City of Columbia, Missouri

Department of Public Works

Broadway Pavement Improvement Project
 Providence Road to Hitt Street
 ADA IMPROVEMENTS - PURPOSE AND NEED