

HIGH VISIBILITY CROSSWALKS DENVER, USA



PROJECT OBJECTIVE

The Colorado Department of Transportation aimed at decreasing the number of vehicle-pedestrian crashes by redesigning crosswalks at three high-traffic intersections in the Denver metro area (Colorado Boulevard & East Colfax Avenue, East 14th Avenue, and East Montview Boulevard).

DEGAROUTE® based area markings were installed to define red crosswalks with white accent stripes in order to increase pedestrian safety. The red color draws attention to the crosswalk and catches the attention of both pedestrians and drivers. The high-friction surface ensures grip and retro-reflectivity allows pedes-

trians to safely cross the street, also at night and during rainfall.

The largest of the crosswalks in Denver is spanning 16 lanes of traffic. The marking material covered a 4,750 ft² (441 m²) area and reflective beads were added to the surface of the accent stripe.

SITE		APPLICATION	
COUNTRY	USA	SYSTEM	One-layer area marking
LOCATION	Denver, CO	EQUIPMENT	Manual
ROAD	Intersections of Colorado Blvd and East Colfax Ave, East 14th Ave, and East Montview Blvd	AGGREGATE	#1 Silica sand
APPLICATION DATE	August – September 2012	MARKING	100 mils (2 – 3 mm)

PERFORMANCE

Colorado Department of Transportation (CDOT) Testimonial:

- Prior to installing contrast area markings to the crosswalks at the intersection of Colorado Boulevard and Louisiana Avenue, an average of two people were being struck each year by oncoming vehicles.
- Since installing the area markings, there has only been 1 person hit within the past 3 years.
- CDOT foresees that the newly applied crosswalks based on cold plastic (MMA, methacrylate resin) will have the same effect as seen at the intersection of Colorado Boulevard and Louisiana Avenue.
- Since this project, Denver has continued to apply more red crosswalks using DEGAROUTE® based material.