



# Contraflow Lanes Geometric Evaluation

May 10, 2010

May 10, 2010 **JACOBS**

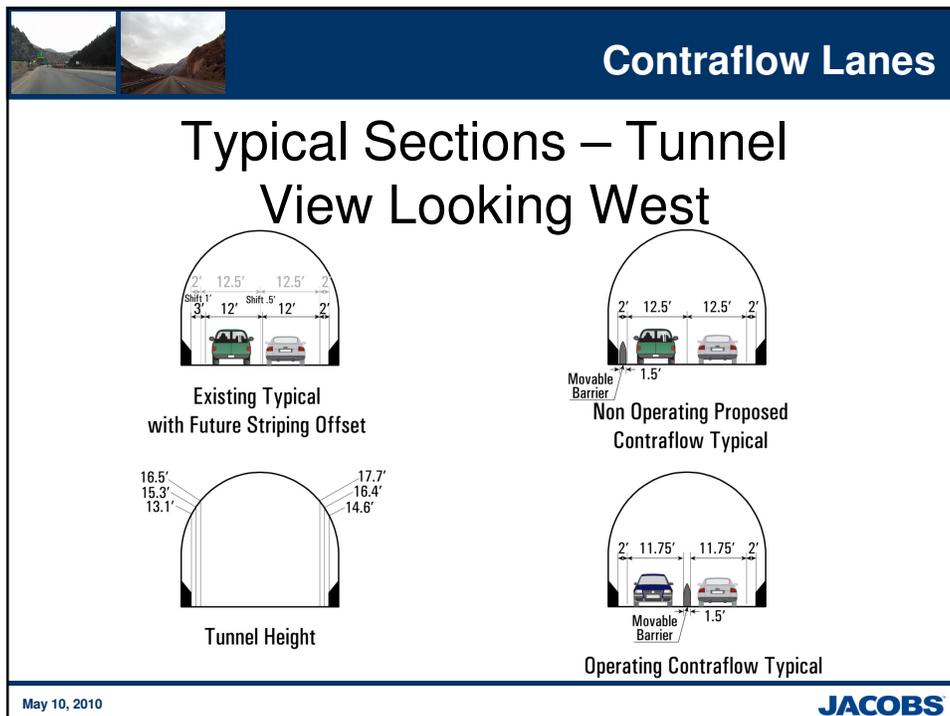
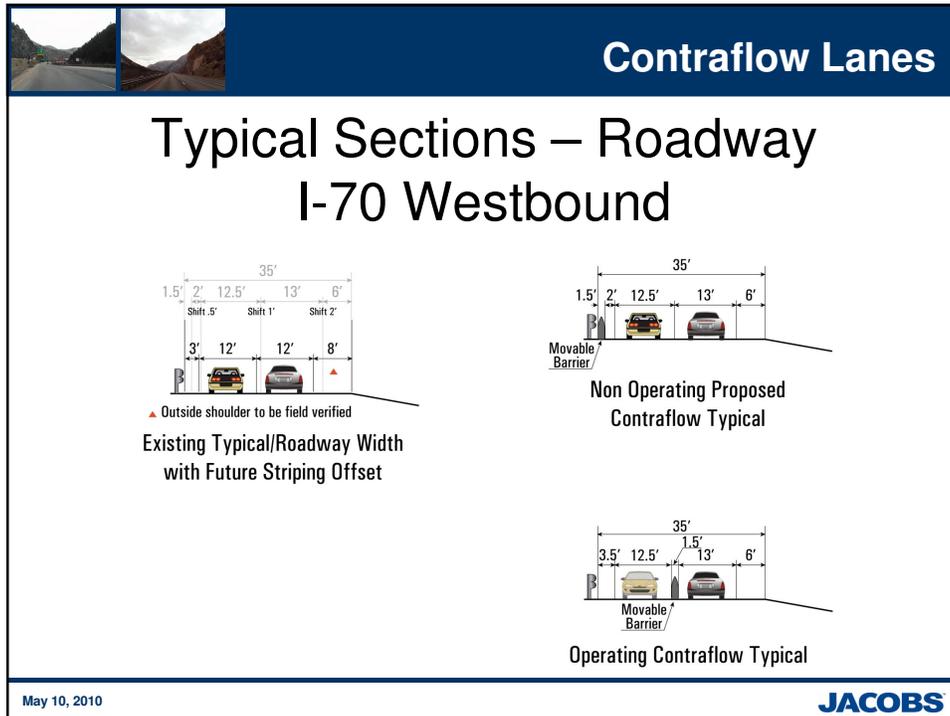


## Contraflow Lanes

### Considerations

- Typical Sections
- Crossovers
- Other Elements

May 10, 2010 **JACOBS**



## Contraflow Lanes

# West of Empire Junction

May 10, 2010

## Contraflow Lanes

# Empire Junction Crossover

**Empire Junction Crossover  
Looking West**

May 10, 2010

### Contraflow Lanes

## Floyd Hill Crossover Normal Interstate Operation

This aerial photograph shows the Floyd Hill Crossover with normal interstate operation. The highway is divided into two main sections by a central barrier. The left section is labeled '170 WB' and '170 EB'. The right section is labeled '1000'. A '225 Lane Drop Taper' is visible on the left side. A 'Movable Barricade' is positioned in the center. The design speed is '50 MPH' with a '6% Super'. An 'Existing Guardrail' and a 'Staging Area' are also indicated.

May 10, 2010

JACOBS

### Contraflow Lanes

## Floyd Hill Crossover During Contraflow Operation

This aerial photograph shows the Floyd Hill Crossover during contraflow operation. The highway is divided into two main sections by a central barrier. The left section is labeled '170 WB' and '170 EB'. The right section is labeled '1000'. A '225 Lane Drop Taper' is visible on the left side. A 'Movable Barricade' is positioned in the center. The design speed is '50 MPH' with a '6% Super'. An 'Existing Guardrail' and a 'Staging Area' are also indicated.

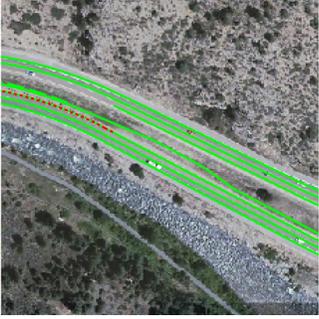
May 10, 2010

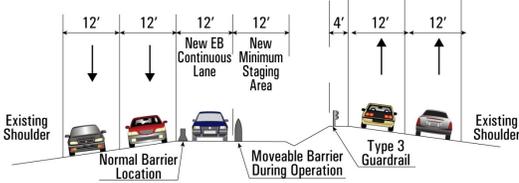
JACOBS



Contraflow Lanes

## Floyd Hill Crossover





Floyd Hill Crossover

May 10, 2010




Contraflow Lanes

## Other Considerations

- Narrow Locations
  - Bridges
  - Twin Tunnels
  - Can be Addressed
- Blunt Ends
  - 6 Identified
  - Correctable
- Headlight Glare
- Rumble Strips

May 10, 2010

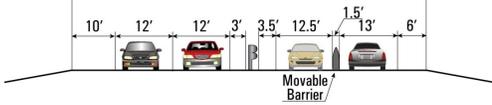



Contraflow Lanes

## Critical Issue

### Idaho Spring Area Snow Removal View WB

- Safety Issue
  - How to plow Contraflow Lane before moving back to median
- Solutions
  - Don't utilize Contraflow Lane when snowing
  - Plow into EB traffic and have CDOT plow follow plow clearing Contraflow lane



May 10, 2010




Contraflow Lanes

## State Highway 103 Overpass



May 10, 2010


 **Contraflow Lanes**

## Colorado Blvd WB Entrance Ramp



May 10, 2010 **JACOBS**

The slide features a dark blue header with the text "Contraflow Lanes" in white. Below the header, the title "Colorado Blvd WB Entrance Ramp" is centered in a large black font. A central image is a Google Street View screenshot of a multi-lane highway. A yellow car icon is positioned in the third lane from the left, which is a contraflow lane. The road is flanked by green hills on the left and a rocky cliffside on the right. The Google logo is visible in the bottom right corner of the image. At the bottom of the slide, the date "May 10, 2010" is on the left and the "JACOBS" logo is on the right.