



C-470
Express Lanes

Open House

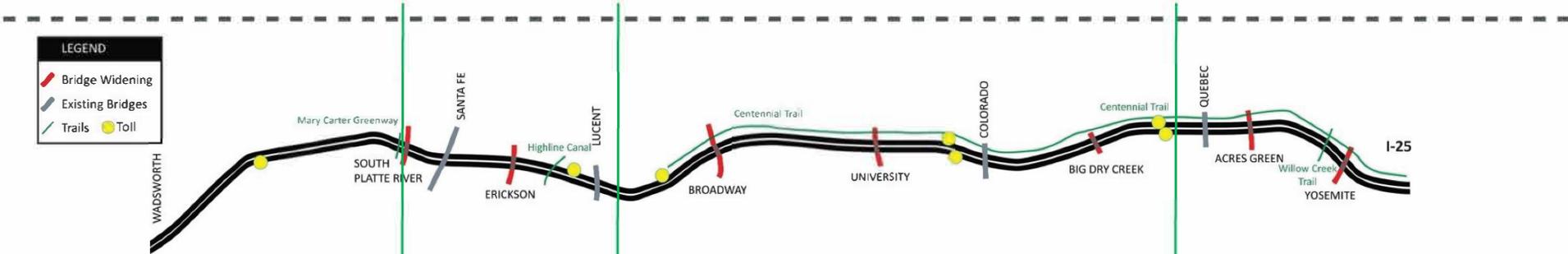
Welcome





C-470 Express Lanes

Project Schedule



Segment 1:

- South Platte Bridge construction will continue for the majority of 2018.
- Earthwork, retaining walls and communications lines are all in construction.
- Construction will ramp up in early 2018 and extend the remaining duration of the project.

Segment 2:

- New communications line is being installed.
- Erickson Bridge construction will begin in November 2017.
- Construction will ramp up in early 2018 and extend the remaining duration of the project.

Segment 3:

- Bridge decks for the widened portions of Broadway, University and Big Dry Creek are all complete. Finish work remains - approach slabs, painting, waterproofing and final pavement surface.
- Paving work is underway - EB outside starting at Quebec and moving towards Lucent. WB will follow EB.
- Sound wall construction underway.

Segment 4/5:

- Interchange design concept finalized.
- Construction activity will start east of Quebec in November 2017.
- Acres Green bridge construction starting in November 2017.
- Yosemite bridge construction starting in December 2017.
- Interchange wall and bridge construction starting in early 2018.

Schedule subject to change

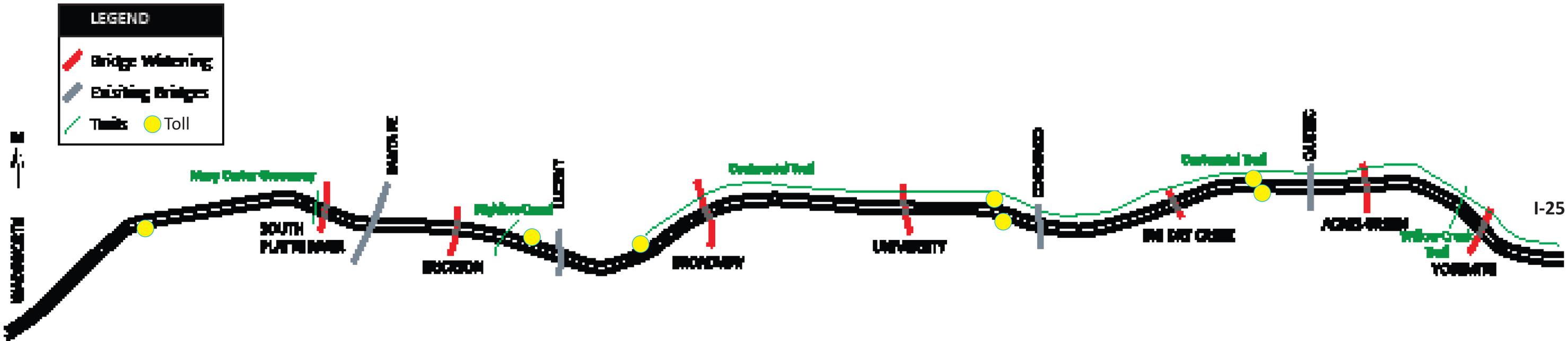


Construction completion 2019



C-470 Express Lanes

Project Overview



- 12 bridge widenings
- 2 new bridges over the S. Platte River
- New concrete pavement
- Auxiliary lanes

- New communications infrastructure - RoadX
- Noise walls
- I-25 direct-connect ramps
- New trail underpasses at S. Quebec St. and S. Colorado Blvd.

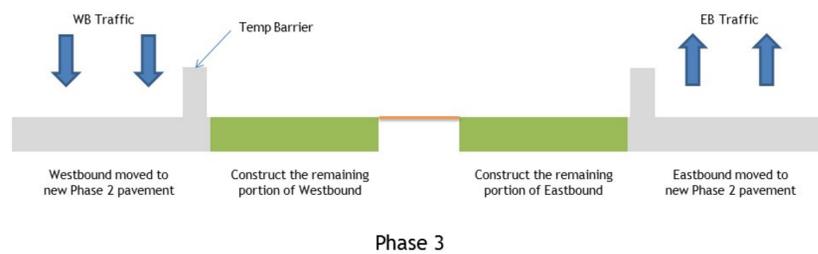
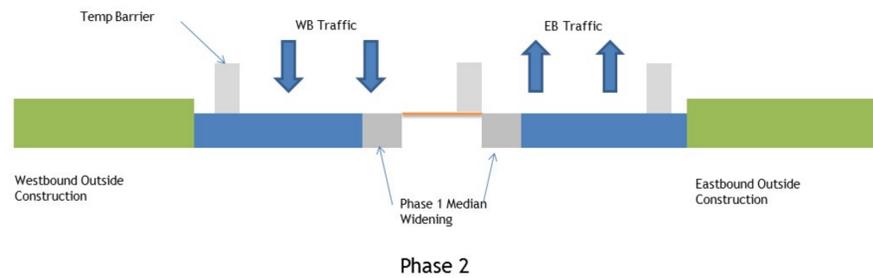
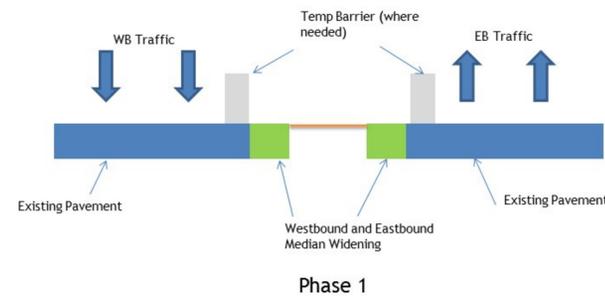




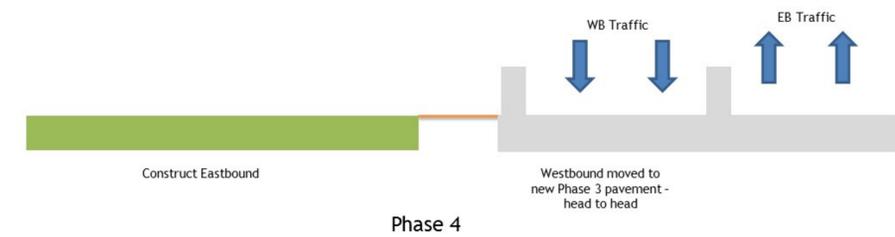
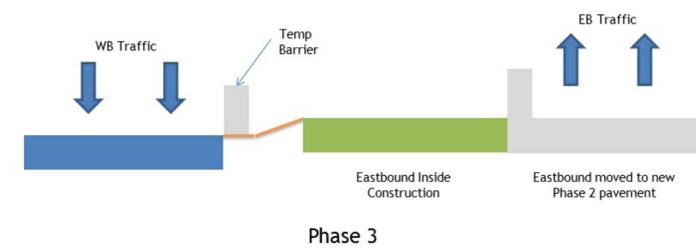
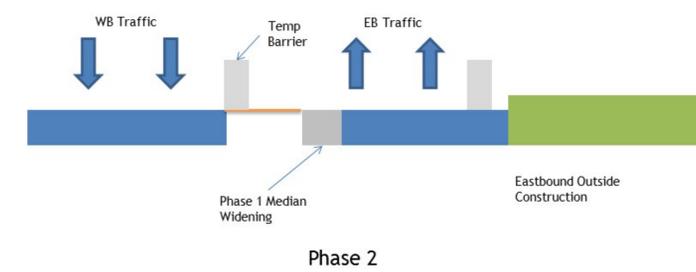
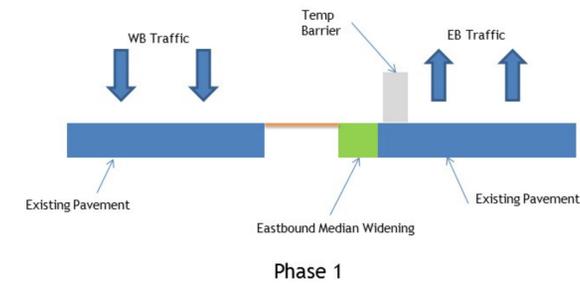
C-470 Express Lanes

Traffic Phasing

Traffic Phasing - South Platte River to S. Yosemite St.



Traffic Phasing - Wadsworth Blvd. to South Platte River



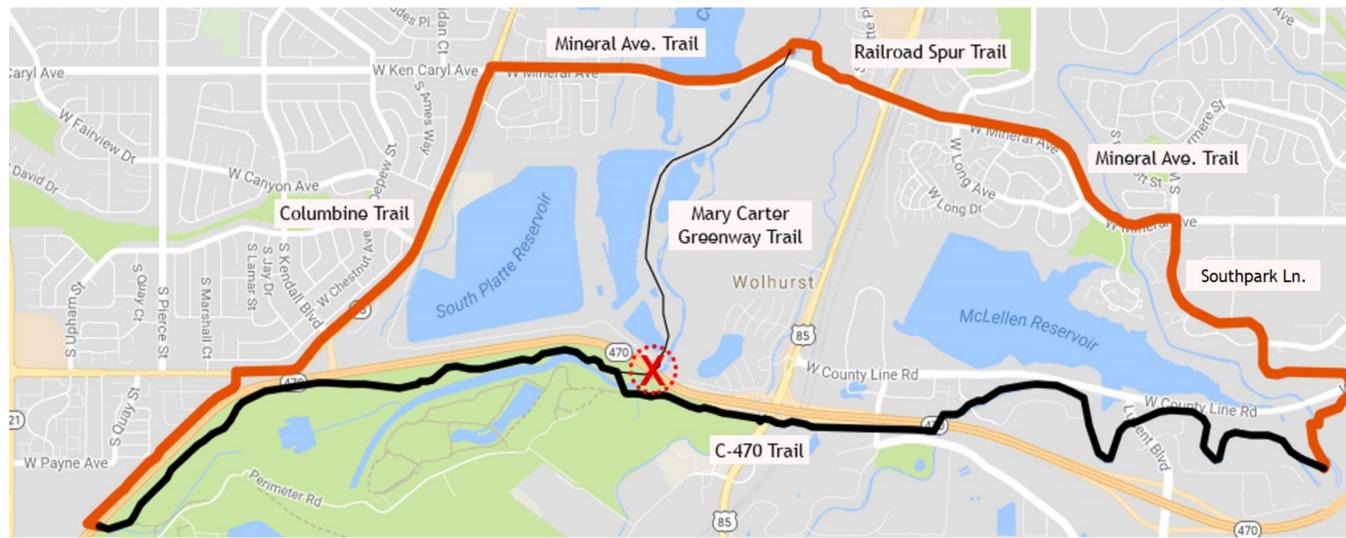


C-470 Express Lanes

Trail Construction

Temporary Trail Detours

Mary Carter Greenway Trail

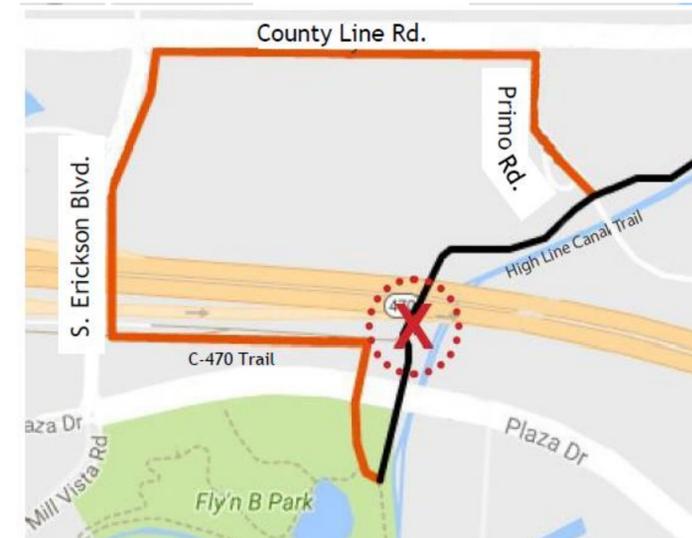


Western detour: Follow the Columbine Trail along Chatfield Avenue and Platte Canyon Road. Take the Mineral Trail along Mineral Avenue to connect back onto Mary Carter Greenway Trail. Detour is approximately 3.2 miles, which is .3 miles longer than original route for eastbound to northbound users.

Eastern detour: Follow the Highline Canal Trail to Southpark Lane. Take the Mineral Avenue Trail. After crossing Santa Fe Drive, continue on the Railroad Spur Trail back onto Mary Carter Greenway Trail. Detour is approximately 3 miles, which is 1 mile shorter than original route for westbound to northbound users.

- Duration: max 6 months cumulative
- Western Detour Length: 3.2 miles
- Eastern Detour Length: 3 miles

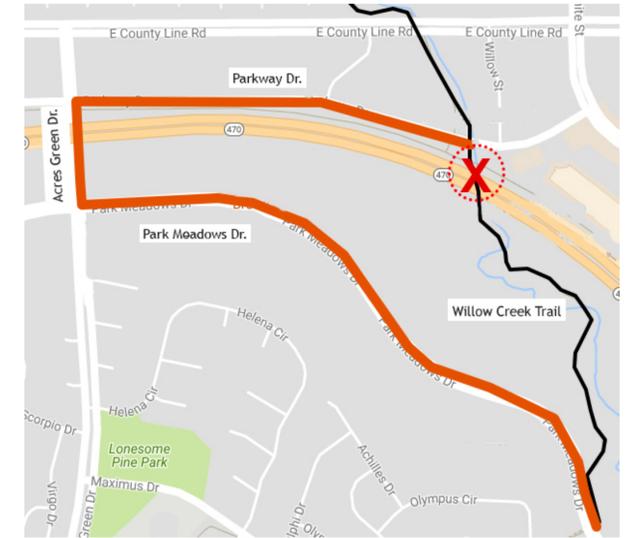
High Line Canal Trail



Clockwise from the closure (red X), this detour uses the C-470 Trail to Erickson Boulevard, then County Line Road to Primo Road, back to the High Line Canal Trail.

- Detour: Q4 2017
- Duration: 1-2 months
- Detour Length: .75 miles

Willow Creek Trail



Clockwise from the closure (red X) this detour follows Park Meadows Drive to Acres Green Drive, then Parkway Drive back to Willow Creek Trail.

- Detour: Q2 2018
- Duration: 1-2 months
- Detour Length: 1.5 miles





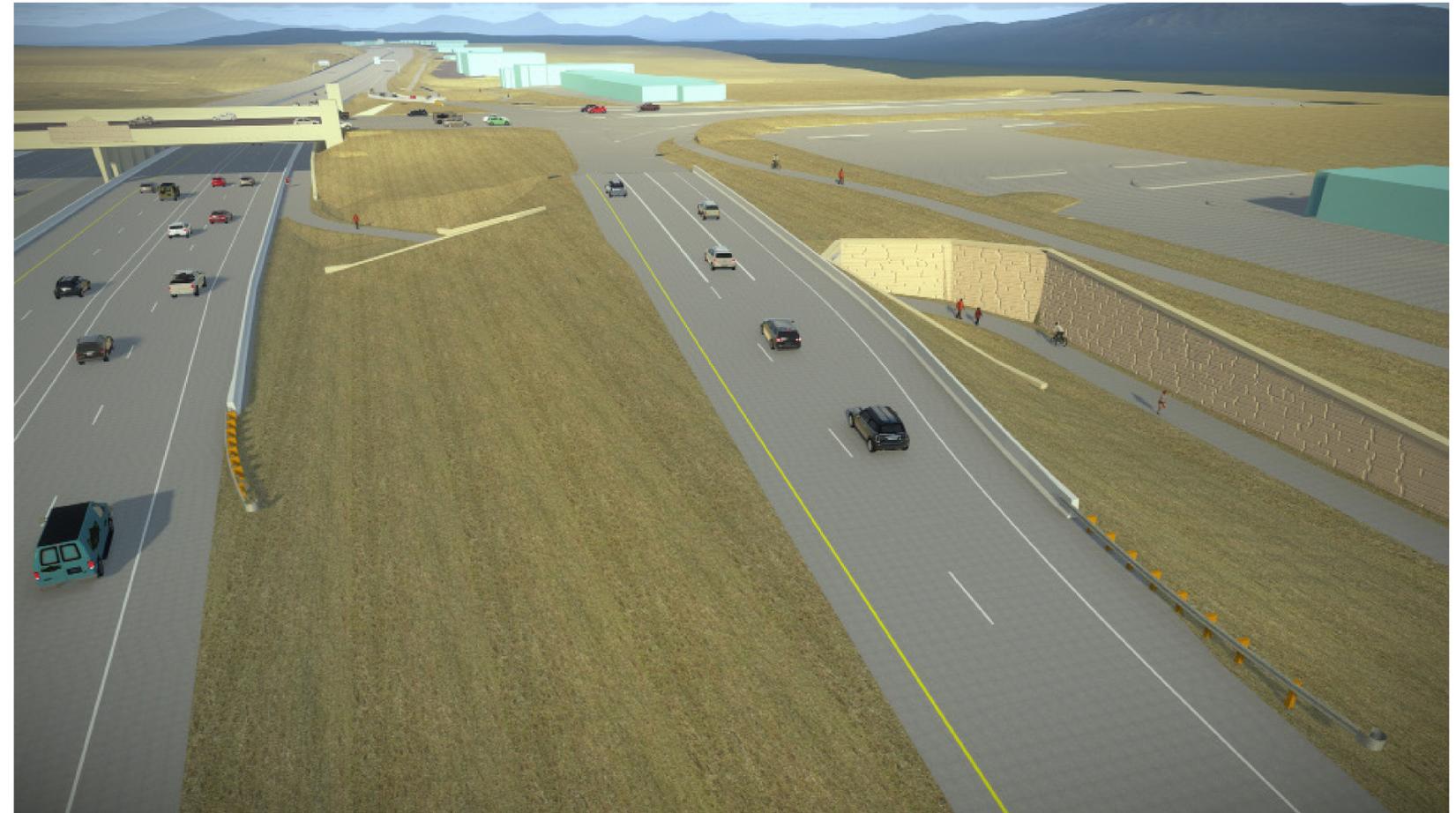
C-470 Express Lanes

Trail Improvements

Colorado and Quebec Trail Crossing Improvements



Colorado Trail Underpass



Quebec Trail Underpass





C-470 Express Lanes

Environmental

Air Quality

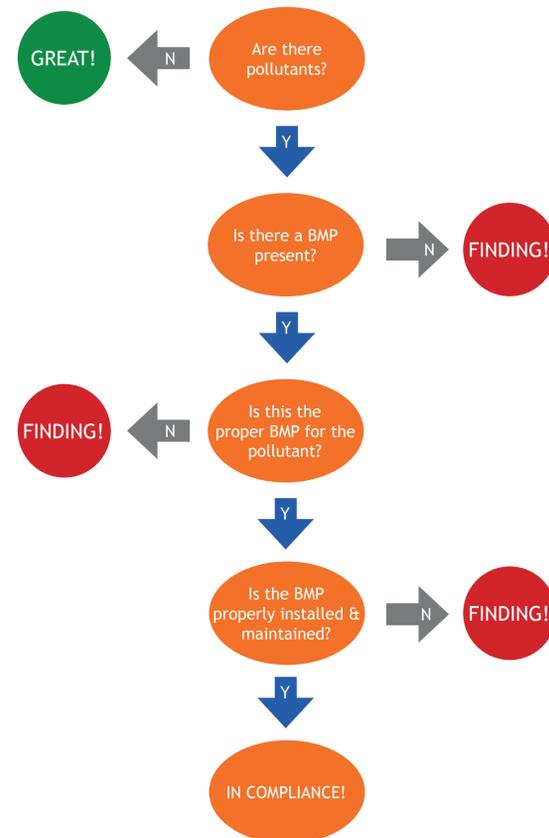
Typical Air Quality Control Practices

- Wheel wash station
- Wind screen
- Vehicle tracking pad to minimize tracking dirt onto public streets (pictured below)
- Water trucks used for dust suppression



Water Quality

- Stormwater runoff in a construction site can affect water quality through erosion and sedimentation.
- Stormwater controls, or Best Management Practices (BMPs), must be in place and working properly at all times, as required by the project permit, local, state, and federal laws and regulations.



Wildlife Protection

- Wildlife may be present during project activities, including species of concern and species which are protected under state and Federal laws or regulations.
- General Wildlife
 - Coyote, Fox, Deer
 - Rodents
 - Snakes
- Protected Wildlife or Species of Concern
 - Prairie Dog
 - Western Burrowing Owl
 - Raptors
 - Migratory Birds





C-470 Express Lanes

Trip Reliability

Region-wide Express Lanes

- C-470
- North I-25
- Central I-25
- I-70 Mountain
- US 36

Why Express Lanes?

- CDOT/HPTE new focus on:
 - Increased choice in travel
 - Increased mobility through operational improvements
- Reduce congestion on critical corridors
- Use toll pricing to manage congestion
- Maintain reliable travel times now and in the future

How to Use Express Lanes

- “Get a Pass” - Drivers will save money every time by paying the toll only with an Express Toll account and pass.
- Visit expresstoll.com or call 303-537-3470 to get yours today.
- Express Toll pass works on all CDOT Express Lanes, the Northwest Parkway and E-470.
- Switchable HOV Transponders will work in toll mode on C-470 Express Lanes. As a reminder, C-470 will not have a free HOV carpool option.



Travelers are never forced to pay a toll and can always choose to travel in the adjacent free general purpose lanes.





C-470 Express Lanes

Public Outreach

2003-2006

Environmental Assessment (EA) - CDOT

- Newsletters - 22,000 business and households received newsletters mailed throughout EA process
- Website - 100,000 visitors viewed the EA website
- Media - Multiple press releases and articles in major and local newspapers and local television
- Small Group Meetings - 44 meetings
- Open Houses - 17 open houses
- November 2006 - EA Public Hearing

2012-2013

Funding Option Selected - C-470 Corridor Coalition

- Telephone Town Halls - The Coalition solicited input from the public through 5 telephone Town Hall Meetings (Fall 2012) on alternative improvements to the corridor; 21,552 residents were connected
- Public Presentations - 12 separate presentations Fall 2012
- Open Houses - 4 open houses Fall 2012
- Website - The Coalition created a website
- Social Media - Facebook page created
- Citizens Advisory Committee - Committee formed with input from the Coalition members
- Media - 14 media articles published between July and August 2012
- Citizen Opinion Survey - Completed November 2012
- C-470 Coalition Policy Committee formed
 - o Includes Local Agencies, multiple Community Partnerships & Organizations, Colorado Department of Transportation (CDOT), High Performance Transportation Enterprise (HPTe), Denver Regional Council of Governments (DRCOG), Regional Transportation District (RTD), and the Federal Highway Administration (FHWA)
 - o February 2013 - Selected Express Tolled Lanes as the preferred funding option

2013-2015

Completion of Revised Environmental Assessment - CDOT & C-470 Corridor Coalition

- HPTe Outreach Meeting - August 19, 2014
- September 2014 Telephone Town Hall Meetings
 - Sept. 9 - Outreach focus area: Jefferson County and Lakewood
 - Sept. 10 - Outreach focus area: Arapahoe County, Centennial and Littleton
 - Sept. 11 - Outreach focus area: Douglas County, Lone Tree and Highlands Ranch
- September 2014 Public Open House Meetings
 - Sept. 15 - Ken Caryl Ranch House
 - Sept. 16 - Highlands Ranch Metro District Office
 - Sept. 17 - Lone Tree Arts Center
 - Sept. 18 - Homestead Elementary School
- February 2015 Public Open House Meetings for Noise Analysis and Mitigation
 - Feb. 10 - Highlands Ranch Metro District Office
 - Feb. 11 - Highlands Ranch Metro District Office
- 2015 Revised EA Public Hearing
 - Aug. 26 - Lone Tree Arts Center

2016-Present

Flatiron AECOM LLC Selected as Design-Build Contractor

Construction Began Fall 2016

- 2016 Stakeholder Meetings
 - Sept. 13 - Open House, Hilton Garden Inn
 - Sept. 15 - Business Owner Tele-Forum
 - Sept. 16 - Business Owner Open House, Highlands Ranch Library
 - Oct. 19 - Highlands Ranch Chamber
 - Nov 16 - WestConnect PEL Community Meeting
 - Sept 2016, April 2017 - I-25 South Metro Corridor Coalition
 - Nov 30 - Denver South EDP Business Owner Meeting
- 2017 Stakeholder Meetings
 - Jun. 28 - Bike to Work Day
 - Sept. 12 - Denver South EDP Business Owner Meeting
 - Oct. 18 - Highlands Ranch Rotary
 - Oct. 18 - Highlands Ranch Chamber
 - Oct. 25 - Open House - Hilton Garden Inn

Stay Connected



24-hour Hotline
303-347-0507



Project Website
www.codot.gov/projects/C470ExpressLanes



Project Email
C470info@flatironcorp.com

Fill out a **comment card**. We would like to hear from you!





C-470 Express Lanes

Aesthetics

Noise Wall



Pier Design



Retaining Wall Pattern





C-470 Express Lanes

Noise Wall Construction



Noise Wall 1 -

- Chatfield Avenue
- Design approved
- Voters approved
- Currently precasting the posts and panels
- Construction will begin after casting in Dec. 2017

Noise Wall 2 -

- Wolhurst
- Design approved
- No voting necessary because we are replacing existing wall
- Construction will begin in Q2 2018

Noise Wall 3 -

- Littleton Commons
- Design approved
- Voting will be sent to residences in Oct. 2017
- Pending voting results, construction will begin in Q2 2018

Noise Wall 4 -

- Villas at Verona
- Design approved
- Voting will be sent to residences in Oct. 2017
- Pending voting results, construction will begin in Q1 2018

Noise Wall 7 -

- Shadow Canyon
- Design approved
- Voters approved
- Currently precasting posts and panels
- Construction will begin after paving in Dec. 2017 / Jan. 2018

Noise Wall 8 -

- IMT Lone Tree
- Design underway
- Voting will be sent to residences in Q1 2018
- Construction will begin in Q2 2018

Noise Wall 5 -

- Bluffs at Highlands Ranch
- Between Lucent and Broadway -Working to the East
- Expected Completion date - Dec. 2017 /Jan. 2018

Noise Wall 6 -

- Canyon Ranch, Copper Canyon, Traditions, Autumn Chase
- Colorado Blvd. working to the West
- Expected Completion date - Dec. 2017 /Jan. 2018



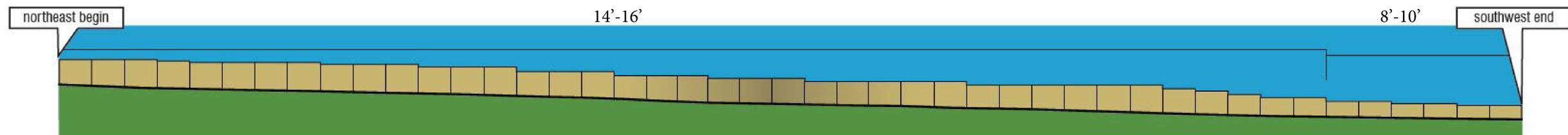


C-470 Express Lanes

Noise Walls



NE wall #1 at Chatfield elevation



900 ft.

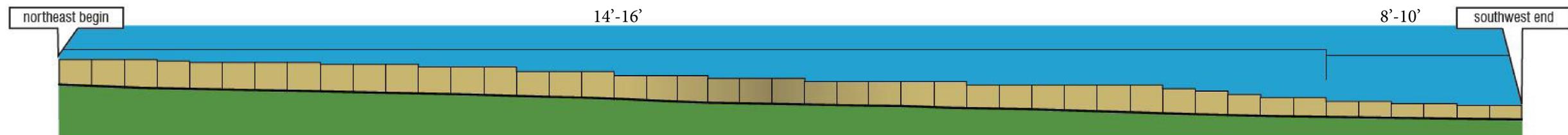


C-470 Express Lanes

Noise Walls



NE wall #1 at Chatfield elevation





C-470 Express Lanes

Noise Walls



Elevation view not yet available

1700 ft.



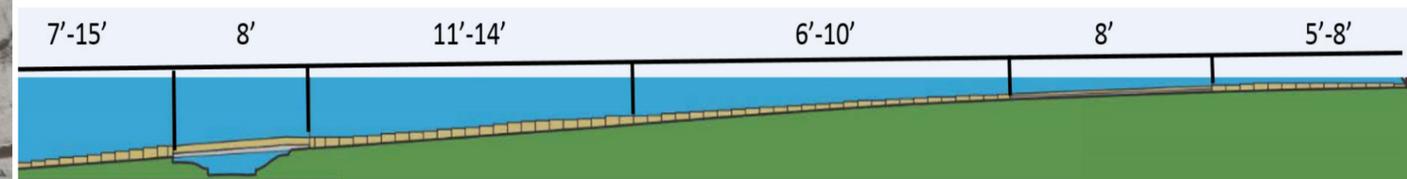


C-470 Express Lanes

Noise Walls



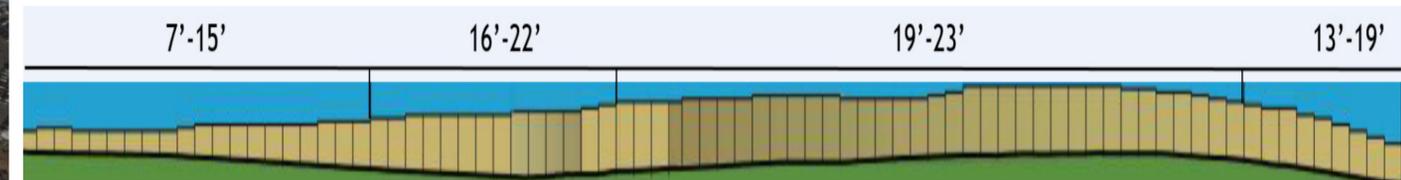
NE wall #3 at Littleton Commons elevation



2,000 ft.



NE wall #4 at Villas at Verona elevation



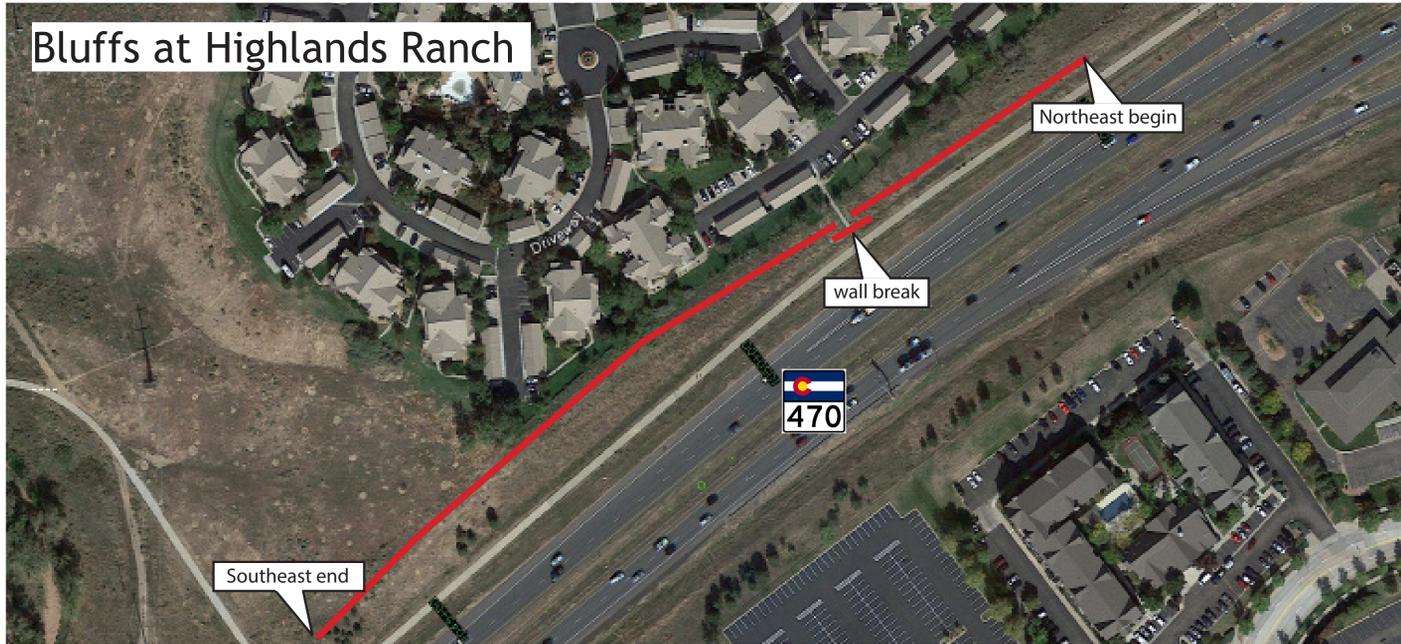
1,700 ft.



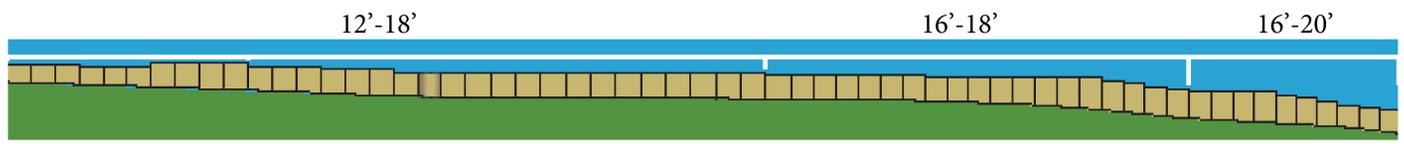


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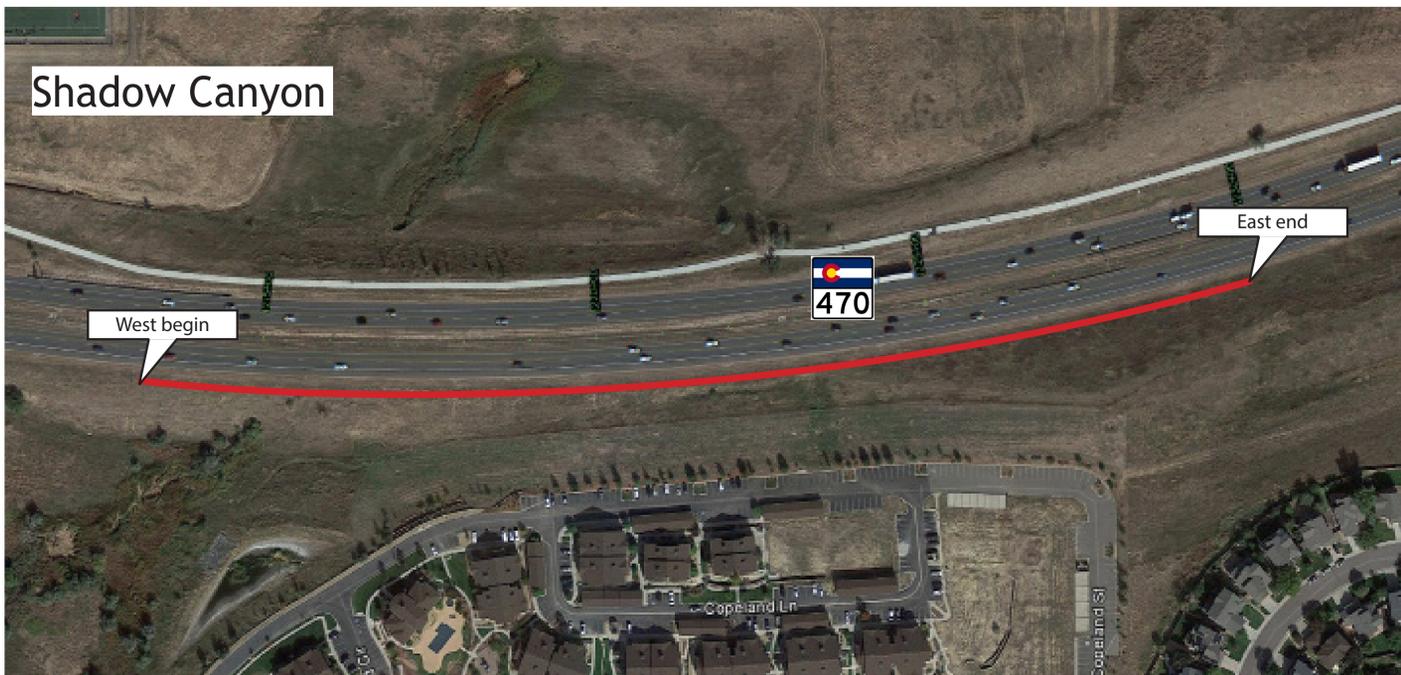
Noise Walls



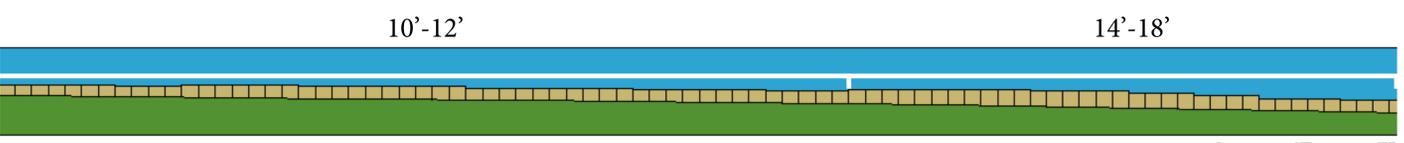
NE wall #5 at Bluffs at Highlands Ranch elevation



1,300 ft.



NE wall #7 at Shadow Canyon elevation



1,700 ft.

(Not to scale)



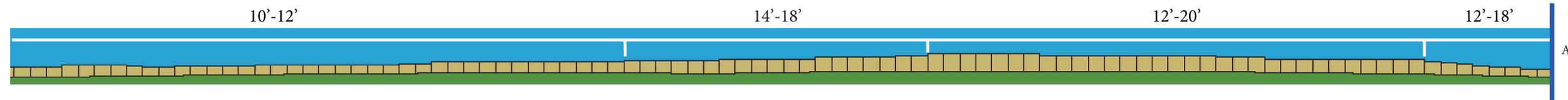


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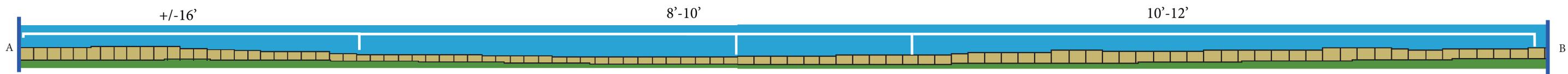
Noise Walls



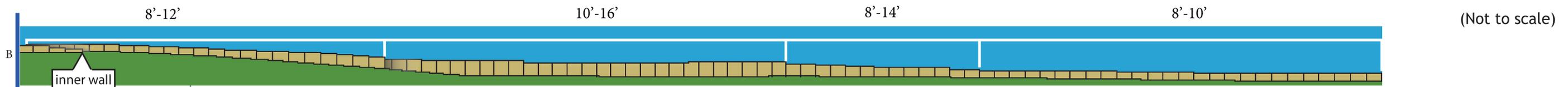
NE wall #6 at Autumn Chase elevation



NE wall #6 at Copper Canyon elevation



NE wall #6 at Canyon Ranch elevation



4,600 ft.