

Douglas County
Department of Public Works
HRCRA Presentation

2023/2024 Highlands Ranch Projects

April 18, 2023

2022 Construction Projects

- Highlands Ranch Neighborhood Paving Projects (\$3,500,000)
- Broadway / Plaza Intersection Improvements and Signal Replacement (\$1,750,000)
- Business Center Drive Phase II Reconstruction (\$450,000)
- C-470 Trail over Yosemite Street (\$5,500,000)
- C-470 Trail over Acres Green Drive (\$4,000,000)
- County Line Road and Lucent Intersection Improvements (\$300,000)
- Poston Parkway Reconstruction (\$4,300,000)

Note: Costs are rounded

2023/2024 Projects

Under Construction:

- U.S. 85 Widening from Highlands Ranch Parkway to C-470 (\$108,000,000)
- Plaza Drive Pipe Repair Project (\$1,100,000)
- Highlands Ranch Drainage Projects (\$1,000,000)

Construction Pending:

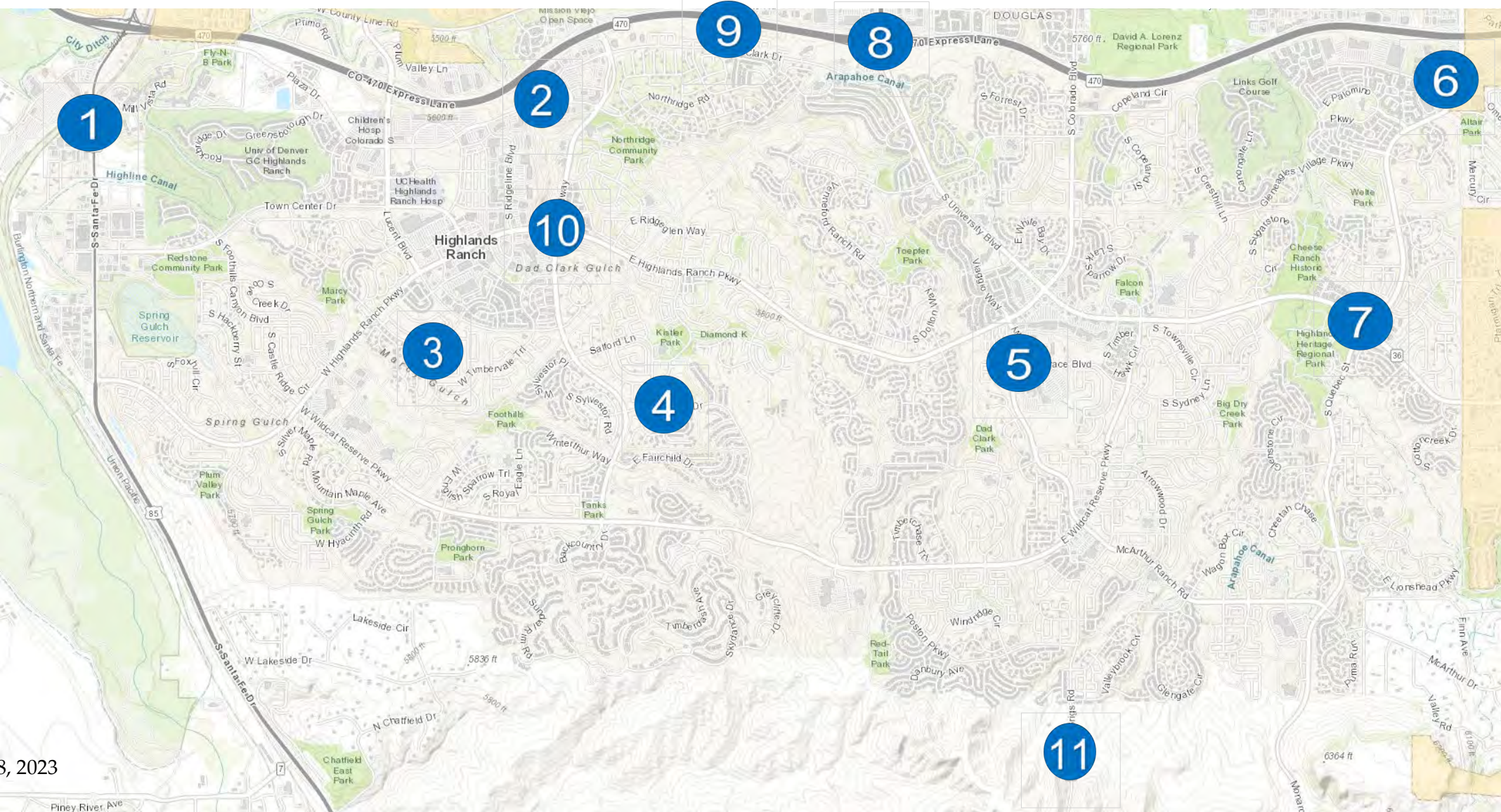
- Highlands Ranch Neighborhood Construction Projects (\$4,300,000)
- Fairview and Grace Boulevard Traffic Signal Installation Project (\$800,000)
- Business Center Drive Reconstruction Phase 3 (\$515,000)
- Quebec/University/Lincoln Intersection Reconstruction (\$10,000,000)

Construction Programmed:

- C-470 Trail & University Blvd Pedestrian Grade Separation Project (\$6,400,000)
- County Line Road Widening and Reconstruction (University to Broadway) (\$25,000,000)
- Broadway and Highlands Ranch Parkway Intersection Improvements (\$5,000,000)
- Grigs Road Paving Project Phase 1 (\$2,500,000)

Note: Costs rounded

2023/2024 Project Locations



April 18, 2023

1 U.S. 85 Widening from Highlands Ranch Parkway to C-470

Description:

This project includes widening a segment of US 85 (South Santa Fe Drive) from Highlands Ranch Parkway to Dad Clark Gulch (approximately 1,200 feet north of County Line Road). Major intersection improvements will occur at Highlands Ranch Parkway, Town Center Drive, Blakeland Drive, the C-470 interchange ramps and at County Line Road. The project also includes the replacement and widening of the existing bridge over C-470.

Est. Construction Cost:

\$108,000,000

Construction Schedule:

Now – Fall 2025

Website:

<https://www.douglas.co.us/public-works/projects/us-85-widening-highlands-ranch-parkway-to-c470/>



2 Plaza Drive Pipe Repair Project

Description:

This drainage improvement project consists of relining of an 11 foot diameter pipe under Plaza Drive which is 370 feet in length. The pipe is 41 years old; relining is a cost effective repair that will significantly extend the life of this large pipe.

Est. Construction Cost:

\$1,100,000

Construction Schedule:

Current – April 2023

Website:

<https://www.douglas.co.us/public-works/projects/plaza-drive-pipe-repair-project/>



3 Highlands Ranch Drainage Projects

Description:

Highlands Ranch contains over 500,000 feet of storm sewer pipes and culverts. Work under this program includes storm sewer inspections, outfall cleaning, and ongoing culvert lining, repair and replacement.

Est. Construction Cost:

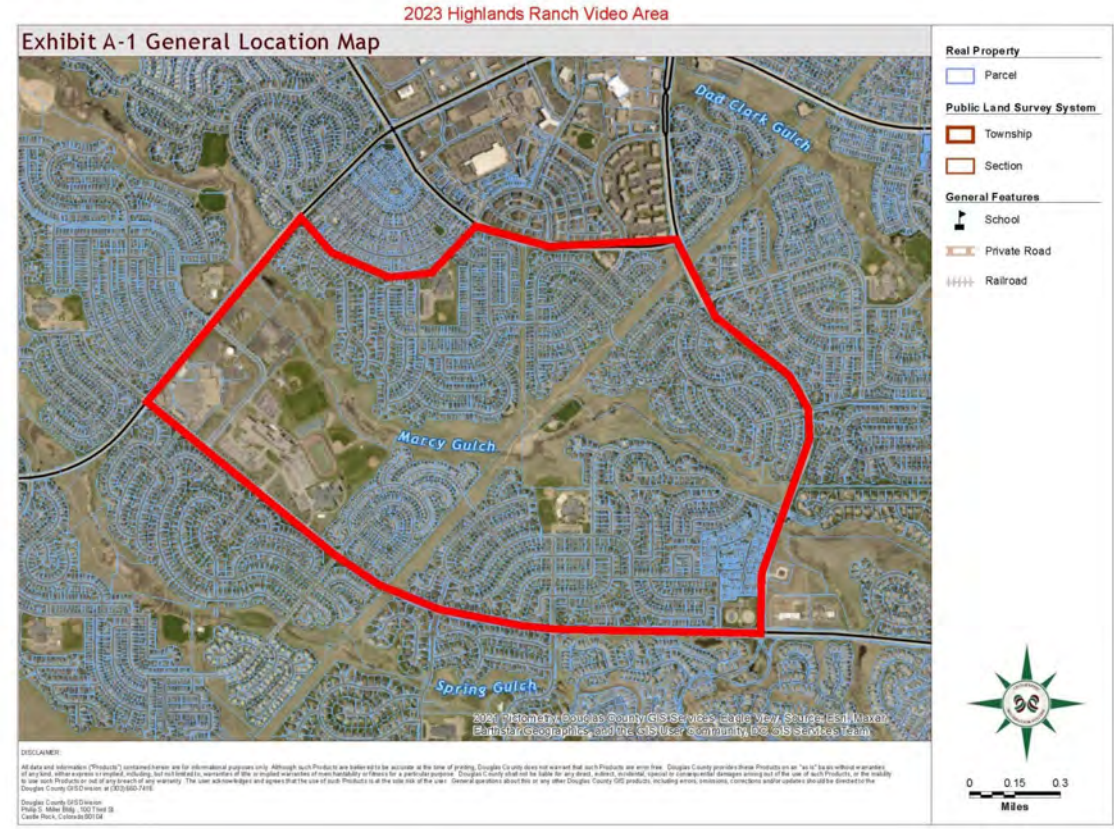
\$1,000,000

Construction Schedule:

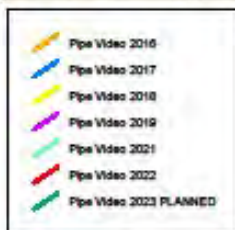
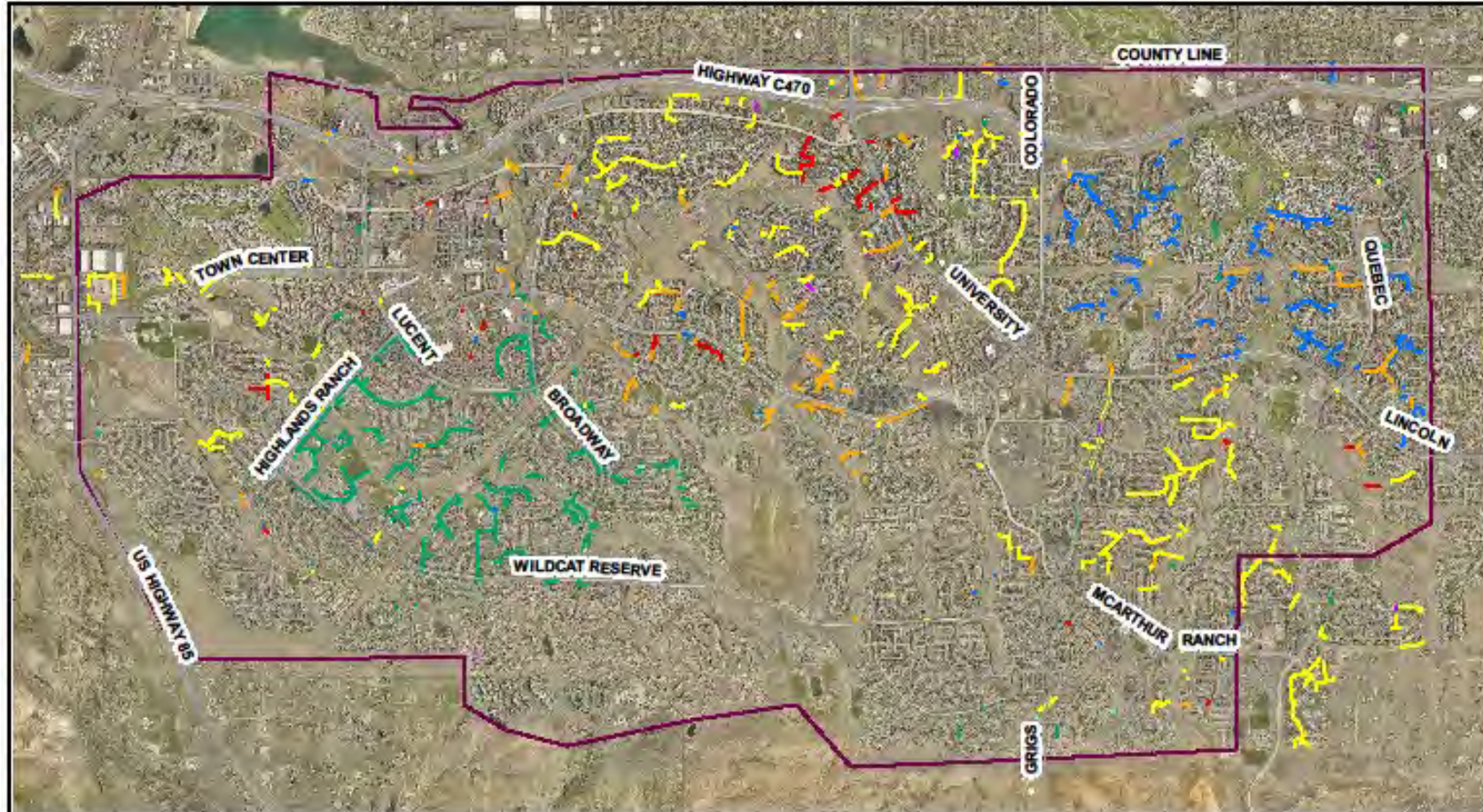
2023

Website:

<https://www.douglas.co.us/public-works/projects/highlands-ranch-drainage-projects/>



Highlands Ranch Storm Pipe Video Inspected

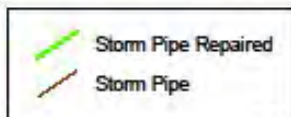
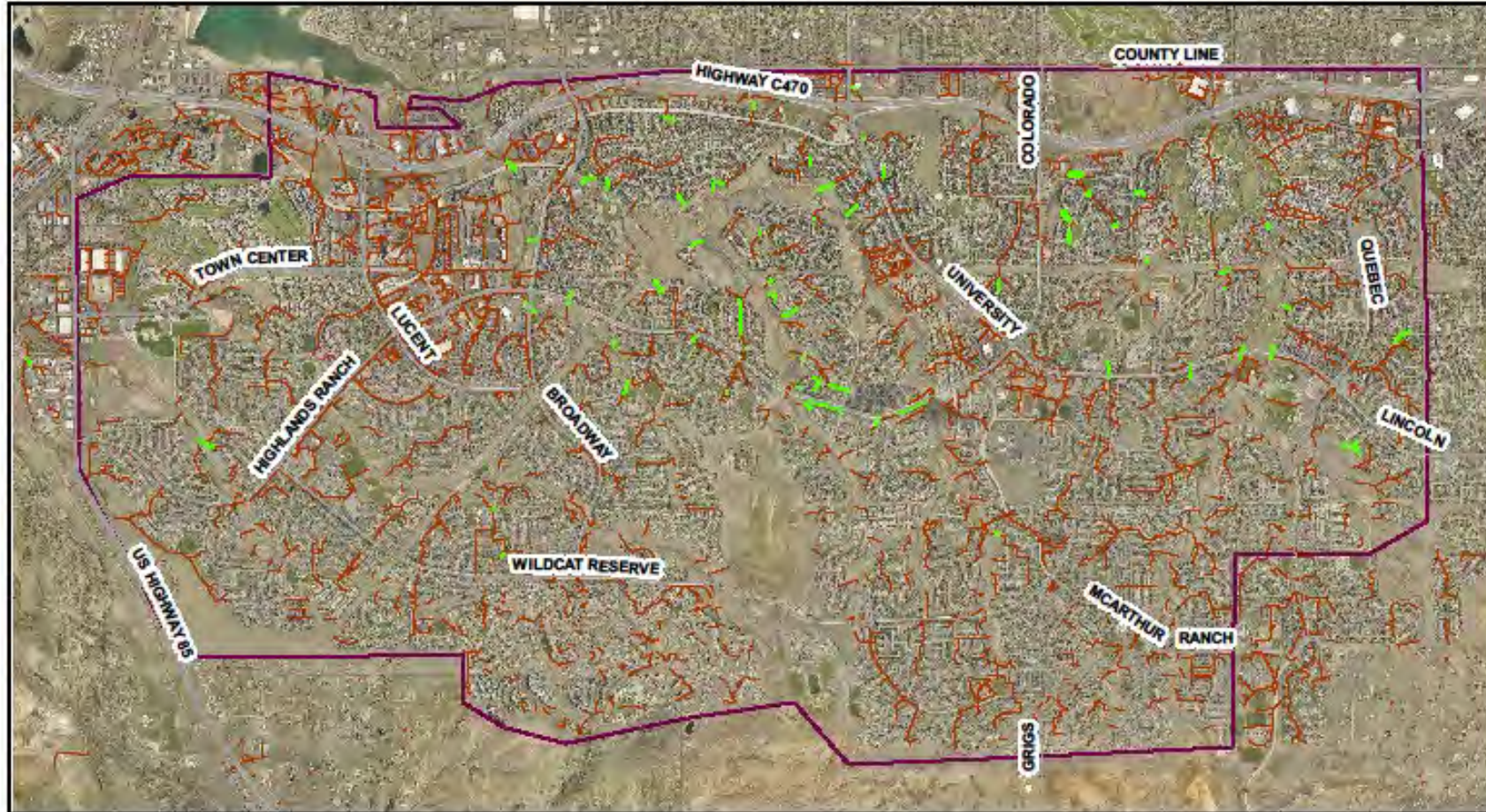


Notes:

40 miles of storm pipe have been inspected in Highlands Ranch since 2016
There are 93.5 miles of storm pipe in Highlands Ranch

Highlands Ranch

Storm Pipe Repaired



Notes:

11 miles of storm pipe have been repaired in Highlands Ranch since 2016
There are 93.5 miles of storm pipe in Highlands Ranch

4

Highlands Ranch Neighborhood Construction Projects

Description:

The 2023 Neighborhood Construction Program includes sidewalk repair, curb ramp replacement, ice mitigation drainage improvements, and asphalt overlay work in Highlands Ranch neighborhoods. See map on next page for locations.

Est. Construction Cost:

\$4,300,000

Construction Schedule:

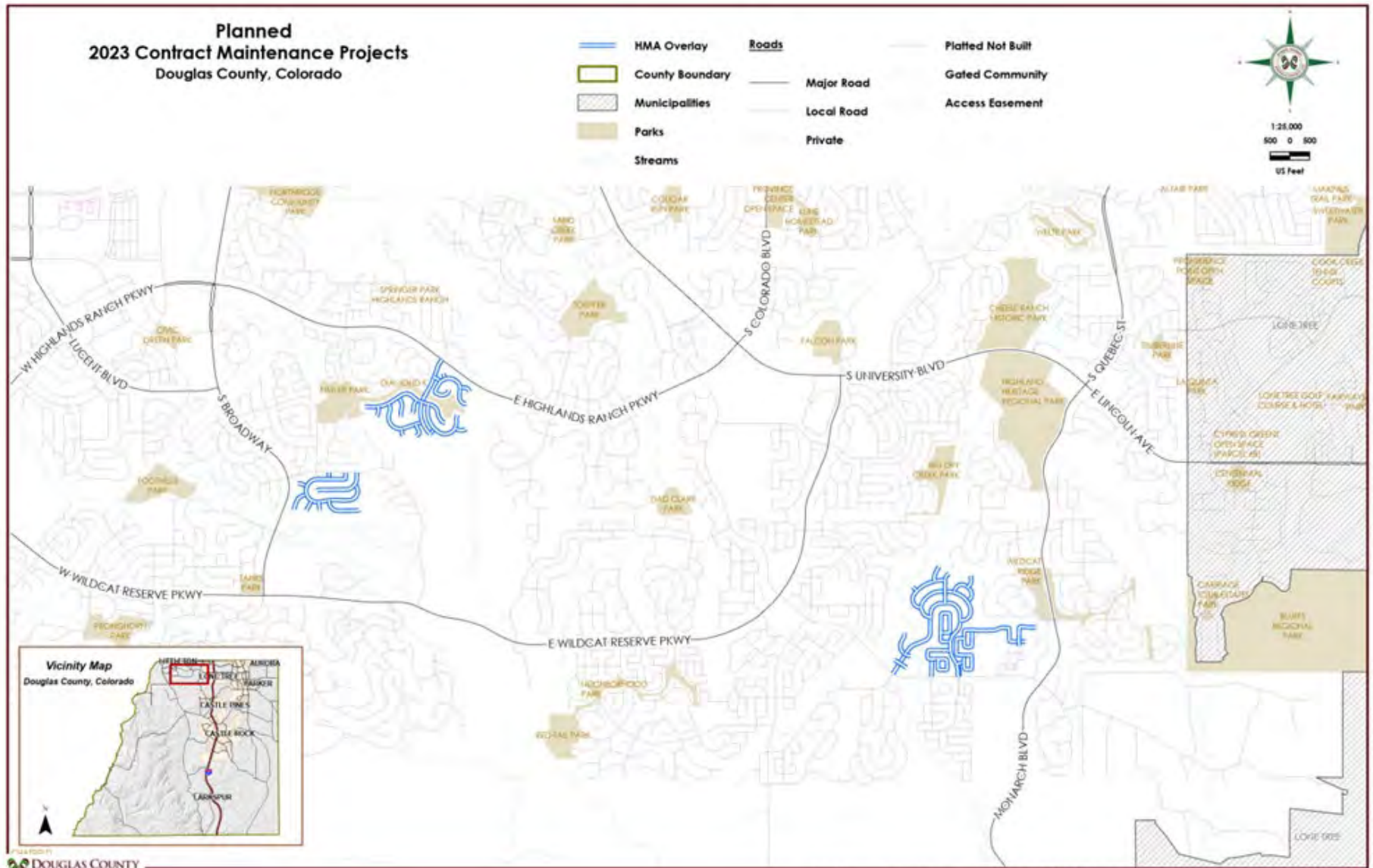
April - September 2023

Website:

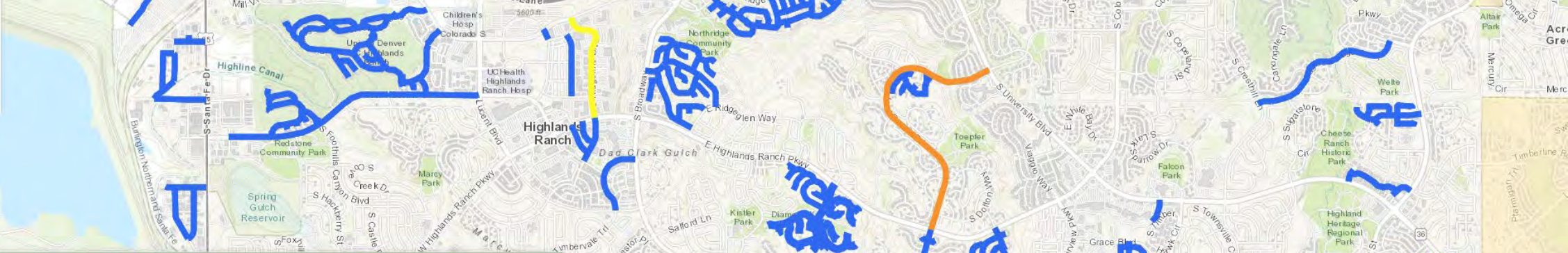
<https://www.douglas.co.us/public-works/projects/highlands-ranch-neighborhood-paving/>



4 Highlands Ranch Neighborhood Construction Projects



Find address or place



Legend

Pavement Management 2017-2022

- ACTIVITY
- █ HMA Overlay
 - █ SMA Overlay
 - █ Asphalt Full Depth
 - █ Concrete

2023 Planned Pavement

- █ HMA Overlay
- █ SMA Overlay

2022 Pavement Management

- ACTIVITY
- █ HMA Overlay
 - █ SMA Overlay
 - █ Asphalt Full Depth
 - █ Concrete

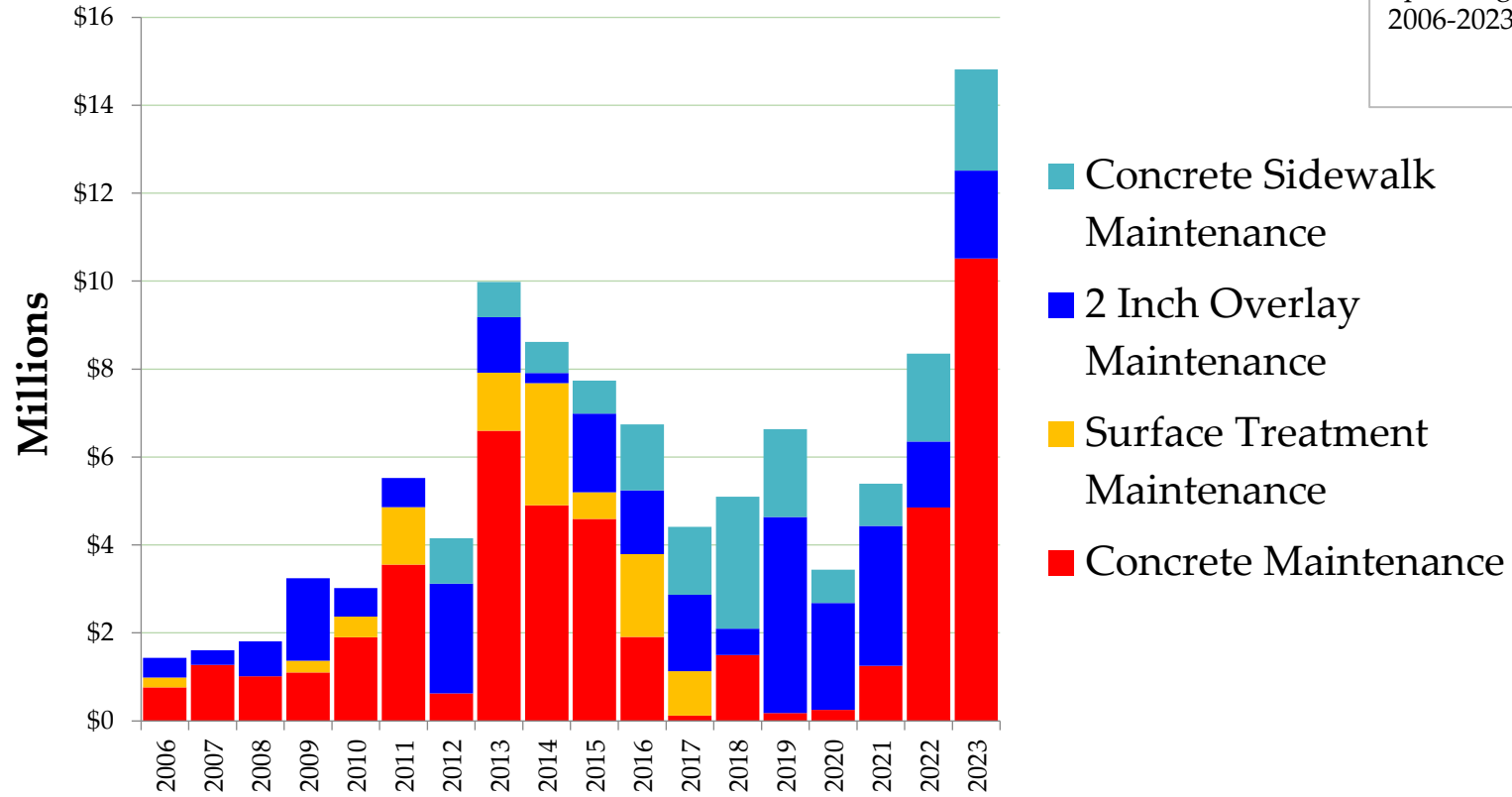
2021 Pavement Management

- ACTIVITY
- █ HMA Overlay
 - █ SMA Overlay

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Pavement Management Projects in the Highlands Ranch Community

Average Annual Spending:
2006-2023: \$5.7 m



5 Fairview and Grace Boulevard Traffic Signal Installation Project

Description:

This project consists of the installation of a new traffic signal at Fairview Parkway and Grace Boulevard to help better manage heavy traffic associated with Valor Christian High School and Cherry Hills Community Church. In addition to signaling the intersection, repairs will be made to the concrete pavement.

Est. Construction Cost:

\$800,000

Construction Schedule:

June – July 2023

Website:

<https://www.douglas.co.us/public-works/projects/fairview-and-grace-boulevard-traffic-signal-installation-project/>



6 Business Center Drive Reconstruction Phase 3

Description:

This project will complete the reconstruction of the concrete pavement on Business Center Drive, between Quebec Street and Poplar Way to the west. The project has been done in three phases to reduce impact to the nearby school and businesses.

Est. Construction Cost:

\$515,000

Construction Schedule:

Summer 2023

Website:

<https://www.douglas.co.us/public-works/projects/business-center-drive-reconstruction/>



Quebec/University/Lincoln Intersection Reconstruction

Description:

This project includes reconstruction of the concrete pavement, replacement of the existing traffic signal, conversion of the existing eastbound to southbound right turn lane to a shared thru-right turn lane, conversion of the existing westbound to northbound right turn lane to a shared thru-right turn lane, and addition of a second southbound to westbound turn lane.

Est. Construction Cost:

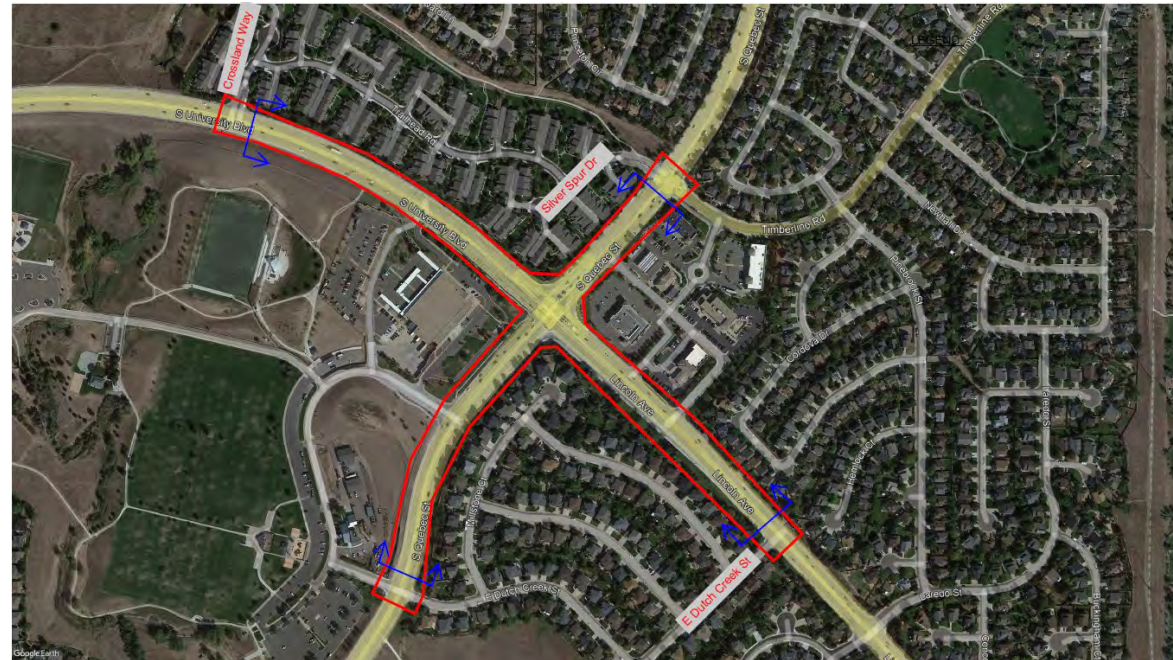
\$10,000,000

Construction Schedule:

July 2023 – July 2024

Website:

<https://www.douglas.co.us/public-works/projects/quebec-lincoln-university-signal-and-intersection-reconstruction/>



C-470 Trail & University Blvd Pedestrian Grade Separation Project

Description:

This project consists of construction of a new bike and pedestrian bridge, replacing the existing at-grade intersection configuration which currently requires users to make four separate roadway crossings totaling eight lanes of traffic.

Est. Construction Cost:

\$6,400,000

Construction Schedule:

Summer 2023 – June 2024

Website:

<https://www.douglas.co.us/public-works/projects/c-470-trail-university-blvd-pedestrian-grade-separation-project/>



9

County Line Road Widening and Reconstruction (University to Broadway)

Description:

This project includes widening the existing road from two to four lanes, adding sidewalks, and adding a new traffic signal at the intersection with Clarkson Street.

Est. Construction Cost:

\$25,000,000

Construction Schedule:

Fall 2023 – Fall 2025

Website:

<https://www.douglas.co.us/public-works/projects/county-line-road-widening-and-reconstruction-university-to-broadway/>



10

Broadway and Highlands Ranch Parkway Intersection Improvements

Description:

Phase 1 of this project consists of improvements to the intersection including adding of a second southbound left-turn lane on Broadway to eastbound Highlands Ranch Parkway. Phase 2 includes widening Highlands Ranch Parkway through the intersection to three eastbound through lanes. The existing traffic signal will be redesigned to accommodate the wider intersection and concrete pavement will be repaired.

Phase 1 Est. Construction Cost:

\$5,000,000

Construction Schedule:

Summer 2024

Website:

<https://www.douglas.co.us/public-works/projects/broadway-and-highlands-ranch-parkway-intersection-improvements/>



11 Grigs Road Paving Project Phase 1

Description:

This project consists of paving Grigs Road from the end of the pavement south of Highlands Ranch, to the trailhead at the top of the hill. The project includes construction of a detached concrete multi-use path.

Est. Construction Cost:

\$2,500,000

Construction Schedule:

2024 proposed budget

Website:



Questions



Supplemental Materials

Snow Season Service Requests

