Sanderson Gulch Reach 1
Channel Improvements
Lipan Street to South Platte River

February 7, 2018
Sanderson Gulch
Why Are We Doing This Project?

Existing Drainageway Undersized
- South Platte River Drive Culvert = Large Pipe
- Constrained Open Channel = Drainageway, Creek or Stream
- Railroad Bridge
- Lipan St. Box Culvert

Existing FEMA Floodplain
- Affects approximately 100 structures
Sanderson Gulch
Proposed Improvements

High Flow Concrete Box Culverts (Large Pipes)
Low Flow Open Channel on top of High Flow Box Culverts (4 – 16’x4’ CBCs)
Outfall Structure
Low Flow Concrete Box Culvert (Large Pipe)
Drop Structure
Sanderson Gulch
Proposed Improvements
BNSF Railroad to Upstream of Lipan Street

High Flow Concrete Box Culverts (Large Pipes)
Low Flow Concrete Box Culvert (Large Pipe)
Drop Structure
Sanderson Gulch
Proposed Improvements
S. Platte River to BNSF Railroad

High Flow Concrete Box Culverts (Large Pipes)
Low Flow Stream on top of High Flow Box Culverts (4 - 18”x4’ CCBs)
Outfall Structure

Low Flow Concrete Box Culvert (Large Pipe)

Section C
Outfall Str.
Sanderson Gulch
Project Benefits

- Increase Public Safety
- Reduce Flood Risk and Remove Approximately 100 Structures from 100-year Floodplain
- Improve Water Quality
- Improve Natural Beauty of the Area
- Improve Roadways, Sidewalks and Curb Ramps
South Platte River Drive and intersection of S. Lipan and W. Arkansas will be impacted.

Access to southeast end of Sanderson Gulch Park will be limited at times.

South Platte River Drive restricted mostly to 1 southbound lane.

Intersection of S. Lipan & W. Arkansas will be closed once construction begins upstream of BSNF Railway.
Sanderson Gulch is like many other rivers throughout Denver which were used as dumping grounds for trash and construction debris during the early development of the City. Due to this fact, the dirt or soil along the river banks contain contaminants that will need to be mitigated as part of this project. Air monitoring and other safety measures per federal and state requirements will be strictly followed.
Basic Safety Tips

- Avoid walking or driving through flood waters.
- Just 6 inches of moving water can knock you down, and one foot of moving water can sweep your vehicle away.
- Avoid camping, parking along streams, rivers, and creeks during heavy rainfall. These areas can flood quickly and with little warning.
- Never enter, play or camp in a pipe, culvert or confined space as it could result in death.

Additional Flood Safety Information (Visit Website Below):

PROJECT TIMEFRAME:

- Construction Start – January 2018
- The City anticipates the project to be completed by Summer 2019

General Information & Updates:

Website will be updated regularly – [www.denvergov.org/sandersongulch](http://www.denvergov.org/sandersongulch)

Contact Construction Team

- Email – General Questions and to receive construction updates: ccd.constructionupdates@gmail.com

- Phone – For questions that require a more immediate response
  - David Shaw – City of Denver Project Manager: 303.446.3456
  - Gary Padilla – City of Denver Project Inspector: 720.291.5731
  - Terry Martin – ICON Engineering Construction Project Manager: 720.220.0909

- Phone – For non-urgent calls that will be answered within a few hours during regular business hours
  - General Number: 720.460.9055
Thank You. General Questions?