

Globeville Levee Improvements

Land Use, Transportation & Infrastructure Committee
July 14, 2020

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DENVER
TRANSPORTATION &
INFRASTRUCTURE

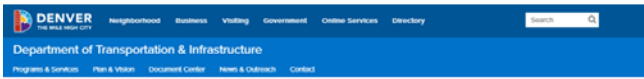
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Resolution 20-0574

IGA with Mile High Flood District for final construction design for flood control improvements on the Globeville levee from 31st Street to East 50th Avenue in Council District 9.



GLOBEVILLE DRAINAGE



Globeville Stormwater Systems Study

The Globeville Stormwater Systems Study is a culmination of an extensive partnership with the project team, the community, and stakeholders to explore solutions for river and local stormwater flooding; and to identify flooding and provide multiple community benefits.

Recommendations



- A: 54th & Zuni Park Space:** Implement water quality and moderate detention opportunities.
 - B: Detention and Park Space:** Identify and implement detention and potential park opportunities along the stormwater runoff path before it gets to Globeville. Potential areas could include areas B1, B2 and B3.
 - C: Project L Pipe:** Implement Truncated Project "L" pipe improvement along Jason Street along South Platte River.
 - D: 48th Avenue Green Corridor:** Further study and implement new stormwater pipe along 48th with a new outfall at the South Platte River, a stormwater overflow management area at Argo green infrastructure and mobility improvements along 48th Avenue to Washington Street.
 - E: Flood Protection from the South Platte River:** Design and implement improvements to the existing levee and extension of levee from 38th Avenue to approximately 35th Avenue at Court Levee Improvements and extension coupled with a vision for neighborhood amenities rise.
- In addition to the project recommendations, this study emphasizes strategies to increase com

A large graphic for the 'globeville stormwater systems study'. It features a white water drop icon on a teal background. The text 'globeville stormwater systems study' is written in white, with 'resiliency planning | education | outreach' below it. At the bottom, there is a row of six vertical photographs showing various urban and natural scenes: a rocky stream bed, a grassy field, a street view, a white picket fence, a concrete drainage structure, and a riverbank with trees.

DECEMBER 2019

<https://www.denvergov.org/content/denvergov/en/transportation-infrastructure/programs-services/projects/globeville-stormwater.html>

HISTORY OF FLOODING

MUNICIPAL FACTS, *January-February, 1927*

The Taming of the Treacherous Platte



No More Floods for Globeville

Platte River Protection and a New Bridge

One of the parts of Denver most often subjected to the river's freaks is Globeville. A contract has been let to change the course of the Platte at Globeville and this spring a new bridge will go in at Globeville at a cost of approximately \$80,000.

Denver Municipal Facts Vol 10 No. 1-2 (Jan-Feb 1927)



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FLOODING CHALLENGES



Regional River Flooding Boulder 09/2013

South Platte
River
(Regional)



Local Flooding Denver 06/2015

Stormwater
Flooding
(Localized)



PRIMARY GOALS

- 1. Alleviate Local Stormwater Flooding
- 2. Reduce the Risk of River Flooding
- 3. Improve Water Quality



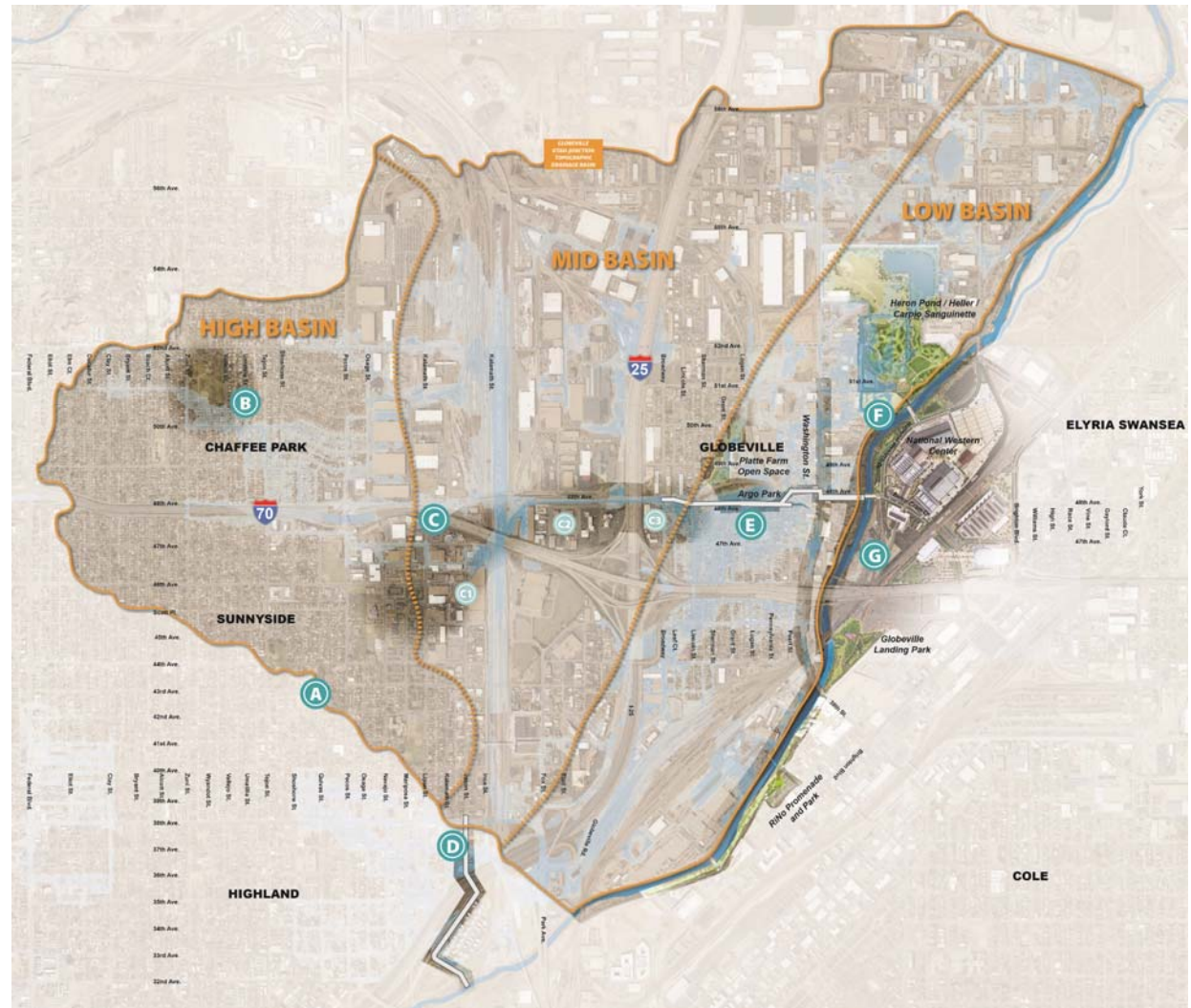
COMMUNITY GOALS

1. Coordinate with and leverage concurrent projects
2. Strengthen partnerships
3. Create innovative solutions that create community benefit
4. “Re-green” the community and restore natural resources
5. Provide individual support against flooding; communicate flood risk and improve safety during rain events



OVERALL RECOMMENDATIONS

- (A)** Community Education and Partners
- (B)** 51st and Zuni Park
- (C)** Detention and Park Space
- (D)** Truncated Project “L”
- (E)** 48th Ave Green Corridor
- (F)** Flood Protection from South Platte River





LEVEE IMPROVEMENTS

- Raise and extend the Levee to address flooding, coupled with ongoing efforts to address bridges along the river
- Phase 1 (51st to 56th)
 - Design 95% complete
 - Construction to begin Q4 2020
- Phase 2 (Upstream of 38th/Washington to Franklin)
 - Partnering with Mile High Flood District
 - Design to begin Q4 2020
 - Construction to be prioritized in future Wastewater 6-YR CIP 2022-2027



QUESTIONS?