

Flood Mitigation Updates

May 31, 2022





Agenda



High level Updates on all things Spruce Wash and Museum Flooding

- Volunteer efforts and refresh program
- Internal Processes and Financial Integration
- On-Forest project work
- Project Progress and Construction updates
- Communication to Community





Community volunteer event



- First event held May 21st
- Ponderosa Park debris, Spruce Wash debris, litter
- 14 volunteers, 57 hours of service



Museum Flood Financial Focus Group



- Focused on a list of pre-monsoon actions
- Working on identifying costs and fiscal responsibility
 - About 25 pre-monsoon tasks
 - Potentially up to \$350,000 in preparation costs
 - Stormwater Fund biggest impacted
- Creating processes to track expenses related to flood mitigation preparations and potential response
- Next steps to identify potential funding sources to support the programs and activities





DFFM-funded resources

- Approved Request
 - 1-Combo vac truck
 - 1-Mini excavator & trailer
 - 4- Digital portable message boards- Delivered
 - 2-Digital vehicle mounted signboards
 - 3- Light Plants- Delivered
 - Traffic barricades Delivered
 - 1,100 road cones
 - 200,000 Empty sandbags
 - 1-New manual sandbags machine





Cedar to Dortha channel and inlet



- **Project Scope:** Channel improvements for capacity and stability, Dortha Avenue undercrossing and inlet reconstruction for increased capacity
- **Construction Estimate:** \$2,600,000
- **Schedule:** Completion of critical infrastructure prior to monsoons 2022
- **Current activities:**
 - Utility relocations wrapping up
 - Dortha inlet and box shoring installed
 - Box floor and inlet concrete installation – week of May 23
 - Property acquisition ongoing





Killip School Regional Detention Basins



- Both fields are now at final grade and the weir structure is being completed
- Final scope and slope stabilization elements are being installed
- Fencing and Landscaping elements coming soon
- Finish work scope and proportionate cost share discussions are continuing for total costs
- Anticipated to be complete prior to July 1st





Killip inlet at Ponderosa Park



- Engineering team is working on the conveyance infrastructure needed north of the Killip Detention Basins
- Parks is soliciting contractors for heavy clean up
- Design consultant is working with Parks in preliminary planning of park amenities with conveyance
- Next logical construction project to follow Killip Detention Basin delivery. Funding guidance and timing is still being received





Ponderosa Park barriers



- Stormwater purchased and installed barrier from Killip project for mitigation and interim conveyance to Killip Regional Detention Basins.
- Stormwater exploring the purchase of additional barrier from Killip project for mitigation in the flood area.





2021 response update

- Sediment and debris from the 2021 events was removed from the channel between Route 66 and BNSF.
- The FUTS low water crossing was repaired partially using a 2019 FEMA Pre-Disaster Mitigation (PDM) grant.



Funding: FEMA 2019
PDM Grant

COF Stormwater

Project Manager:
Chris Palmer,
Stormwater

Contractor: Kinney
Construction



On Forest Mitigations



5/23/22
+35.23165
Flags



**Museum
Flood Area**



NRCS Mount Elden Estates Fan

- Long-term sediment reduction and erosion control is critical in post-wildfire areas.
- Projects focus on
 - stabilizing alluvial fans,
 - promoting erosion control,
 - reducing downstream sediment,
 - Improving channel capacity to convey floodwater out of neighborhoods.





Siren alerting system

- Construction of new siren pole began 5/24
- Siren system has transitioned to solar powered option.
- County EM finalizing siren software integration into County Emergency Notification system.
- City and County have started the public communications for sirens.
- Testing of the system in the next two weeks





Spring 2022 Sandbag Refresh

- Community sandbag deployment project kicked off 5/13
- First Volunteer event held 5/21
- Service request line up and running as of 5/24
- Resident emergency mitigation assessments have started.
- Work being scheduled for upcoming volunteer days





Volunteer/ service coordination

- The city is coordinating with United Way of Northern Arizona (UWNA)
- Until the MOU is completed the city will manage upcoming volunteer day events
 - The city's service request line is up. 928-213-2102
 - Service request line hours 8-4, M-F
- Upcoming Museum volunteer events
 - Saturday June 4th
 - Saturday June 18th





Emergency operations response

- Met with NACET and City staff to discuss activating the IMT and/or EOC at the NACET facility
- City staff working to verify resources in place for an emergency operation response this monsoon season
- Additional requests sent to DFFM for emergency response needs





Communications



Outputs

- Sandbag refresh communications released on 5/11
- Volunteer cleanup day communications released on 5/16
- Flood risk analysis e-newsletter released on 5/18
- Siren alerting system communications

In production

- June community volunteer days
- Importance of sediment reduction

IMPORTANT SANDBAG INFORMATION

May 13 – July 1, 2022

The City of Flagstaff and the Coconino County Flood Control District are helping

FREE SANDBAGS
 TAKE AS MANY AS YOU NEED
 MORE WILL BE PROVIDED

SACOS DE ARENA GRATIS
 TOMA TANTOS COMO NECESITES
 SE PROPORCIONARÁ MÁS

downstream
 ar prepare for
 by placing
 and trash bins
 s, which
 their sandbag
 on of these
 e right.

In mind:
 sandbags on
 sandbag
 be replaced.

Sand Bag and Trash/Cinder Bin Staging Locations 2022

- Cinder and Trash Bins (10)
- Sandbag (33)

COCONINO COUNTY ARIZONA

Volunteer Clean-Up Museum Flood Area

Saturday, May 21, 2022
 8am-12pm & 1pm-4pm

Meet @ Coconino County Health & Human Services Building
 2625 N. King Street

CITY OF FLAGSTAFF

Museum Flood Area

Council Discussion

