

# Inner Basin Waterline Restoration Project

2 May 2023

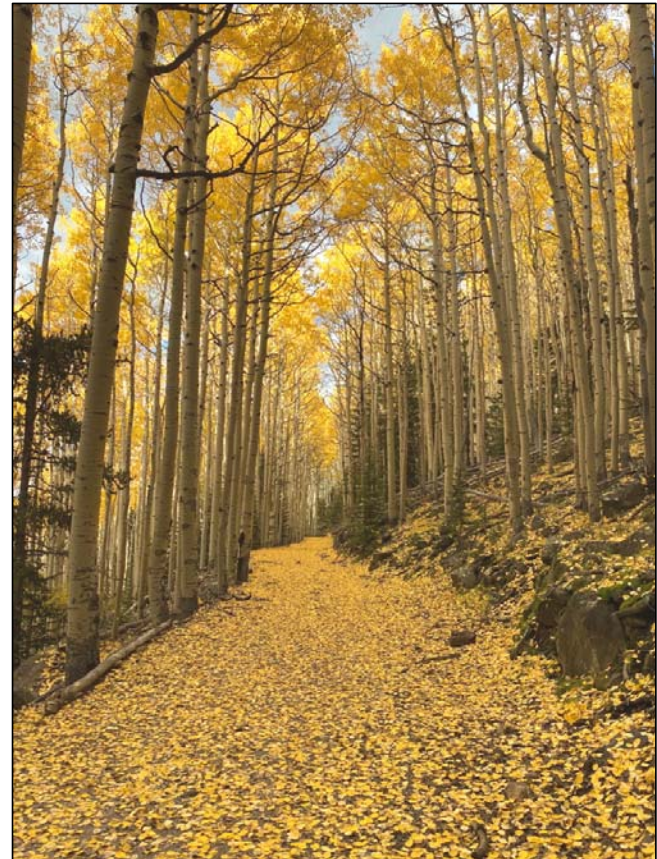




# Project Stakeholders



- **US Forest Service**
- **AZ Dept Forestry and Fire Management (DFFM)**
- **Hunter Contracting**
- **Jacobs Engineering**
- **Coconino County**
- **City Staff**



*Waterline Road – Inner Basin*



# Exciting News



## 100% FUNDED!

### AZ Dept of Forestry and Fire Management

- Reimbursement Funding
- Not to Exceed \$16.1M (*Design & Construction*)



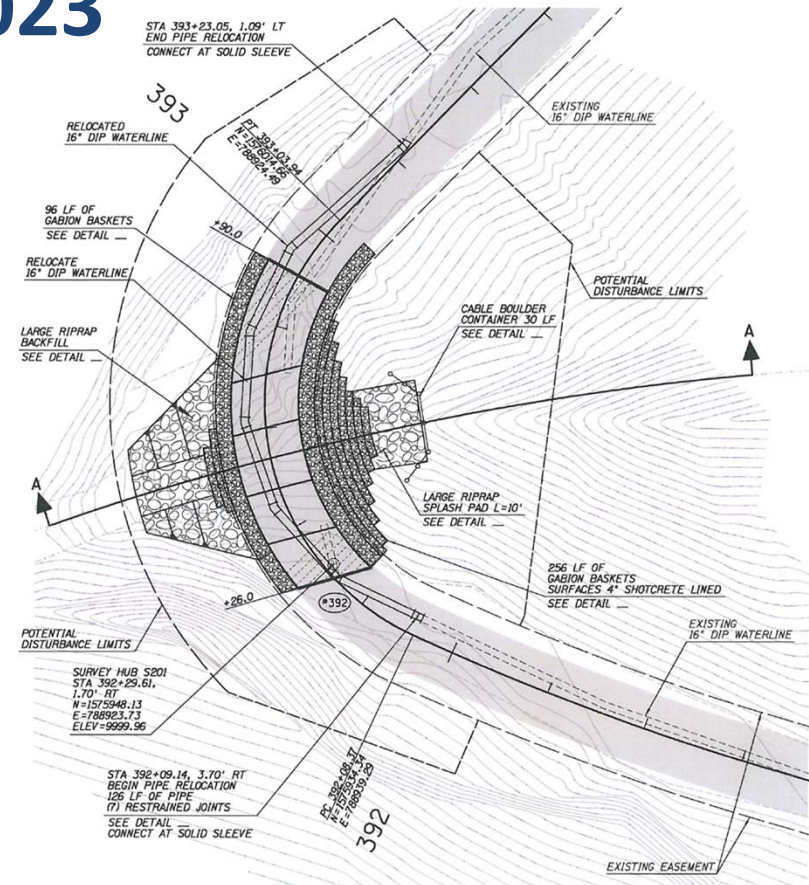




# Contract & Project Timeline

## Construction Contract(s) – July 2023

- **Construction Services (GMP-3)**
  - Installation of New Infrastructure
  - Late Summer/Fall 2023
- **Inspection Services Contract**
  - Necessary to Ensure Construction and Material Integrity
  - Implemented Post Schultz Fire
  - Selected by RSOQ Committee



# Project Sites – Good, Bad, Ugly



*Point I*



*Point I*



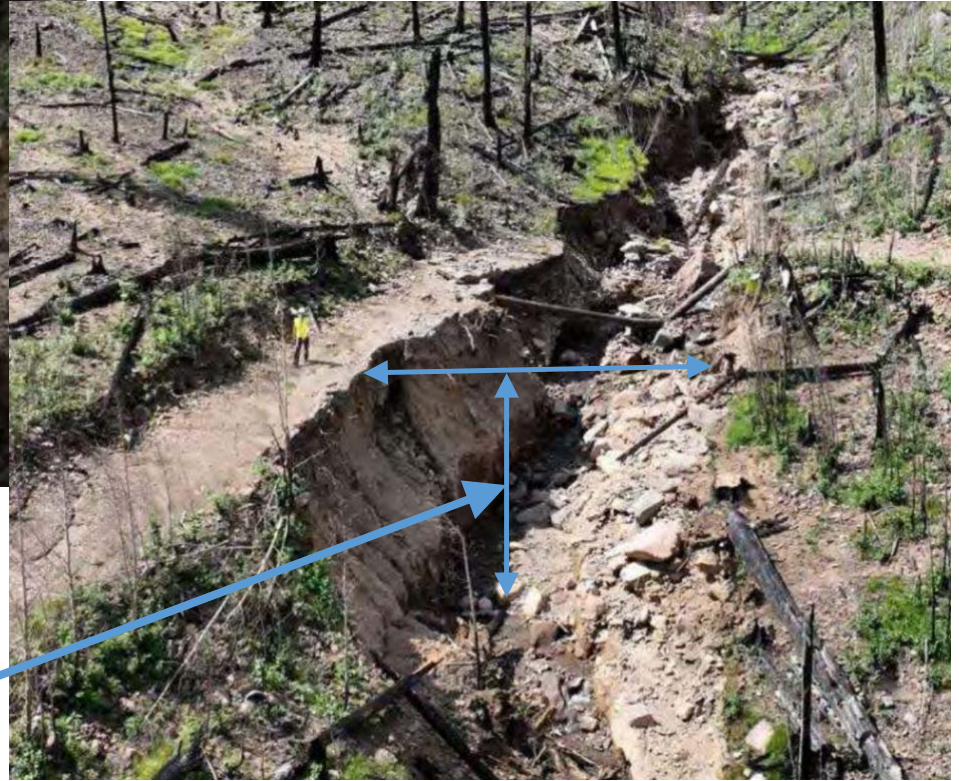
# Point I



**Pre-2022 || Post-2022**



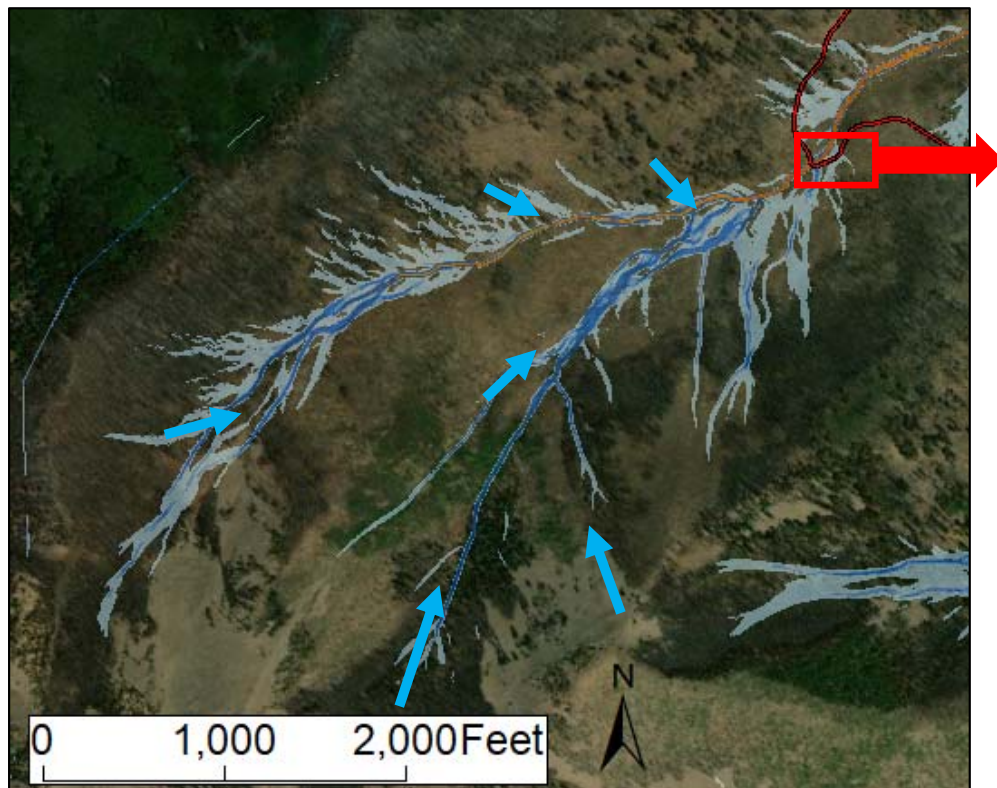
**Total Failure**  
*-Pipe ruptured*  
*-Carved new channel*  
*-25'-depth*  
*~50'-width*



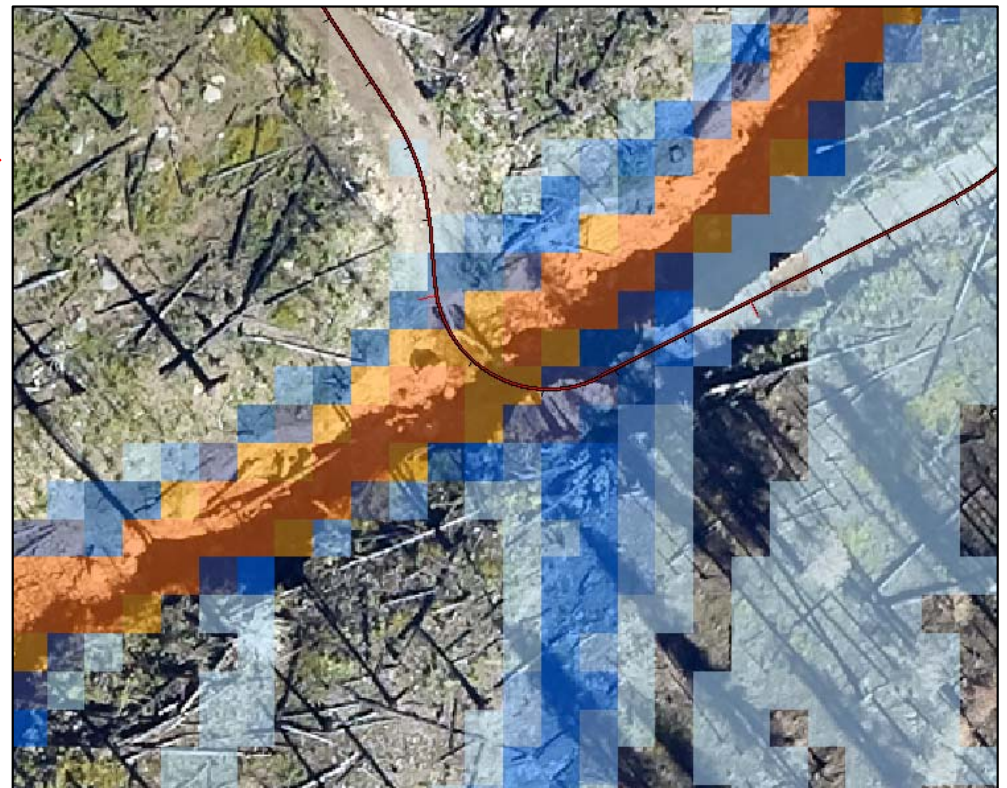
# Point I



## Drainage - Watershed



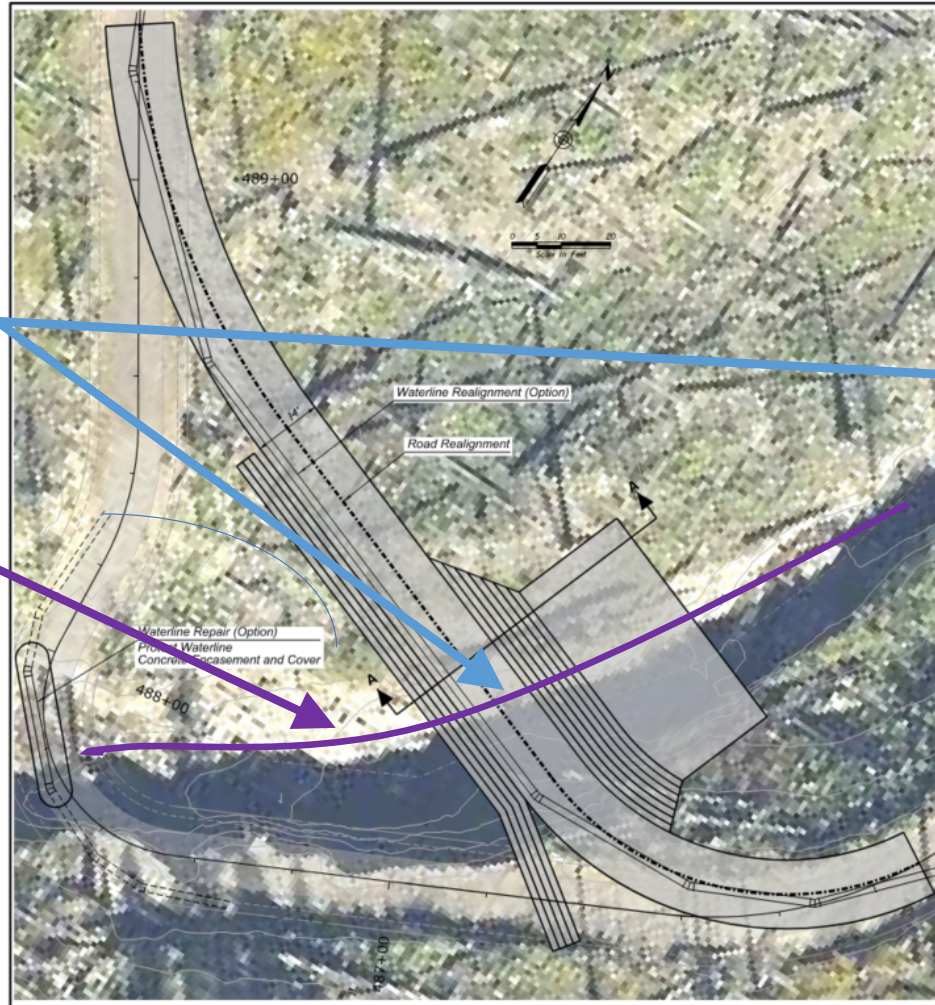
## Drainage – Zoomed In



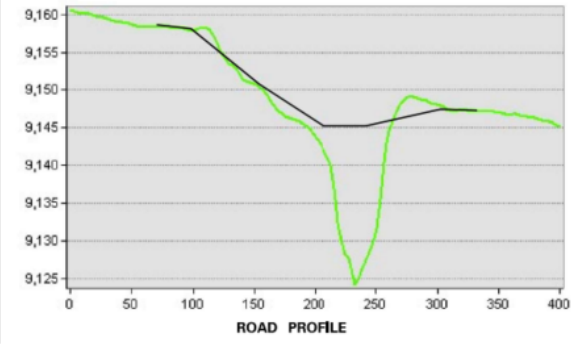
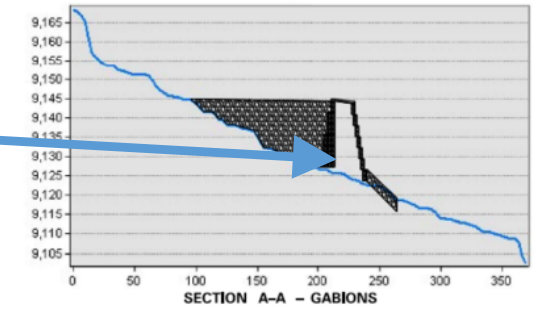
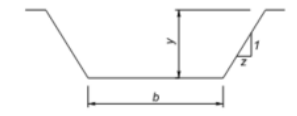
# Conceptual

New structure  
-Control grade

Realignment  
-Protects road from  
scour



Site	50-yr Q (cfs)	Estimated Flood width	Roadway as a Weir			
			y (ft)	b (ft)	z (side slope, H:1)	Top length (ft)
I	627	38	2	24	10	64



PRELIMINARY <b>30%</b> Review	<table border="1"> <tr><th>DATE</th><th>NAME</th><th>DATE</th></tr> <tr><td>08/11/10</td><td>DR</td><td>08/11/10</td></tr> <tr><td>08/11/10</td><td>DR</td><td>08/11/10</td></tr> <tr><td>08/11/10</td><td>DR</td><td>08/11/10</td></tr> </table>	DATE	NAME	DATE	08/11/10	DR	08/11/10	08/11/10	DR	08/11/10	08/11/10	DR	08/11/10	CITY OF FLAGSTAFF COCONINO COUNTY, ARIZONA FLAGSTAFF SCHULTZ PIPELINE	PROJECT NO. 0000 YV YVY
DATE	NAME	DATE													
08/11/10	DR	08/11/10													
08/11/10	DR	08/11/10													
08/11/10	DR	08/11/10													
NOT FOR CONSTRUCTION OR RECORDING		SITE DETAIL SITE I (Realignment)	DWG NO. 06/10 OF												

# Point I

# Questions & Comments

