

## **Problem List**

### **Unique Local Hazards**

- Erosion
- Alluvial fans
- Tributary and uncertain flow paths
- Canyon wash floodways
- Sheet flooding
- Missing, outdated information and approximate mapping
- Subsidence and changes in topography
- Upper watershed land management

### **Future Environmental Conditions**

- Changing weather
- Unknown hazards
- Vegetation changes
- Climate change including extreme events and extended dry periods
- Post catastrophic fire impacts

### **Population Exposure to Hazards**

- Critical facilities and utilities in the floodplain
- Floodplain populations especially those with low mobility and resources
- All-weather and emergency vehicle access
- Underinsured and uninsured

### **Existing and Future Development**

- Existing development that does not meet current standards(old and undersized infrastructure)
- Historic entitlements not based on current hazard information
- Increasing runoff volume due to cumulative improvements
- Loss of natural floodplain function
- Lot splitting and wildcat developments
- Infill and redevelopment
- Encroachment and channelization
- Regional scale projects
- Flow diversions
- Groundwater depletion
- Riparian habitat disturbance
- Loss of tributary connectivity
- Water quality and spread of contamination

### **Maintenance Needs**

- Private infrastructure
- Public infrastructure
- Conveyance capacity
- Illegal dumping activities
- Invasive species

### **Emergency Response**

- Inter-agency 2-way reporting during events for road closures and situation assessment
- Public tools for near real time reporting
- All-weather access for responders
- Advanced warning for road closures and flooding
- Publication of alternate routes
- Fire nexus
- Swift water rescues

### **Unauthorized Uses**

- Homeless camps
- Off-road vehicles
- Grazing
- Utilities
- Encroachments
- Riparian habitat destruction
- Flow diversions

### **Awareness**

- District services
- Pima County services
- Best practices
- Flood hazards in the desert
- Interjurisdictional collaboration opportunities