



Abandon Existing Alignment In-place; Grade to drain to Existing Principal Outlet Location.

Replace Powerline with a 100-year Channel

Powerline FRS

Decommission Existing FRS

New Riser and Principal Outlet to Powerline Floodway

Construct Hardened Control Section (Sill) in Auxiliary Spillways

Powerline Floodway

Construct Hardened Dam and Foundation Segment In Earth Fissure Risk Zone

Raise and Rehabilitate Vineyard Road FRS to accept Powerline and Rittenhouse Flows

Vineyard Road FRS

Construct Hardened Control Section (Sill) in Auxiliary Spillways

Optional New Gated Outlet and Channel to Queen Creek

Remove Existing Rittenhouse FRS

Decommission Existing FRS

Rittenhouse FRS

Replace Rittenhouse with a 100-year Channel

Remove Existing Auxiliary Spillway

**Legend**

- Proposed IDSM Alignment
- Principal Spillway
- Existing PVR Structures
- Hardened Dam Segment in Fissure Risk Zone
- Upstream Filter
- Channel
- Modified Easement
- Superstition Foothills Waterline
- Transmission Lines
- Regional Transit
- SR 802 Study Area Boundary
- Apache Junction City Limits

0 2,000 4,000 8,000 Feet

Queen Creek