



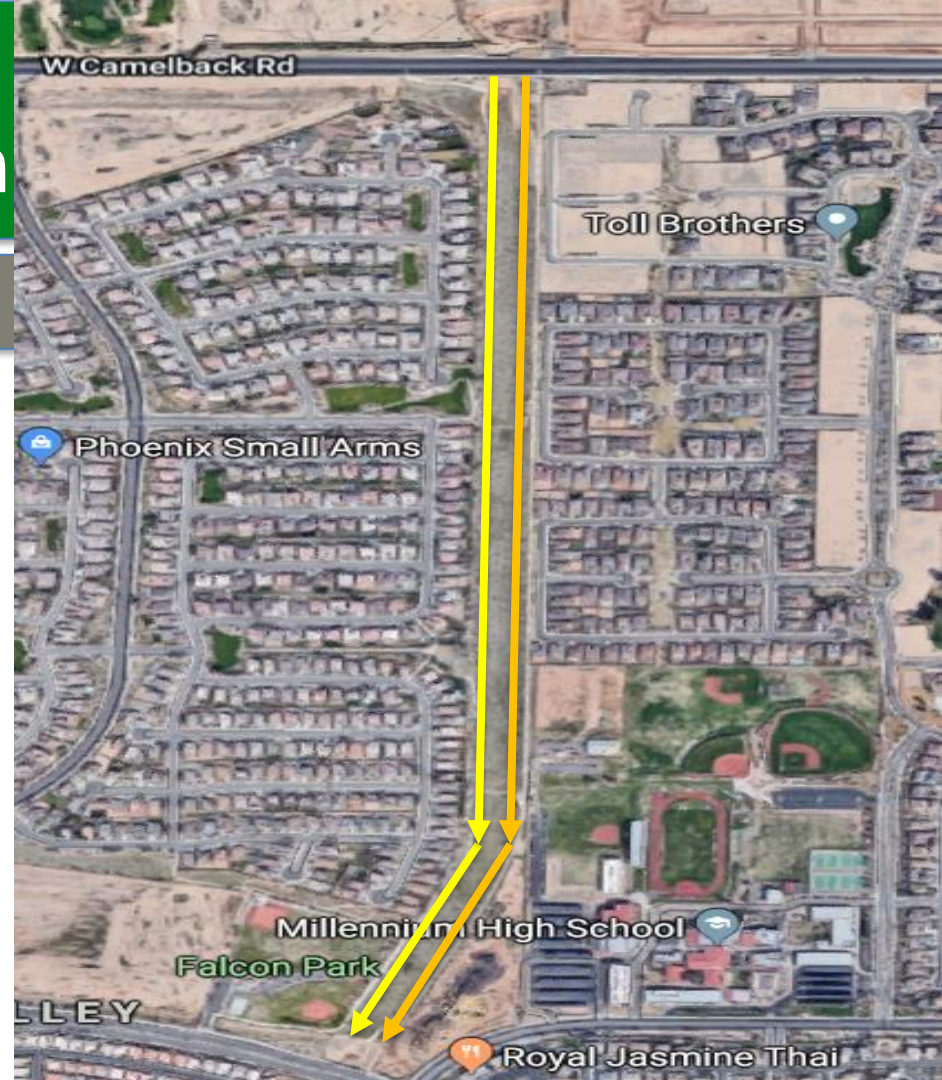
Bullard Wash Tailwater Management

Council Meeting
September 23, 2019

Location and Background Information

2004 – Wash Improved

- 24" storm drain – west edge
- Low flow channel – east edge



Increased Irrigation Flows Since ~ 2014

City responded by:

- **Curbing S. of Camelback – direct flows to 24” S.D.**
- **Curbing – contain flows in low flow channel**
- **Hiring a firm to study origins of flows**
- **Planning a CIP Project in FY 2020, to:**
 - **add signage**
 - **add elevated sidewalks for crossings**



**Inspiration: Scottsdale
Indian Bend Wash**

Surface Flows Increased **Substantially** ~ 2019



- **CCTV'd 24" Storm Drain**
- **Identified blockages**
 - **Debris/ mud**
 - **Roots**
 - **dry utility boring (collapsed pipe)**

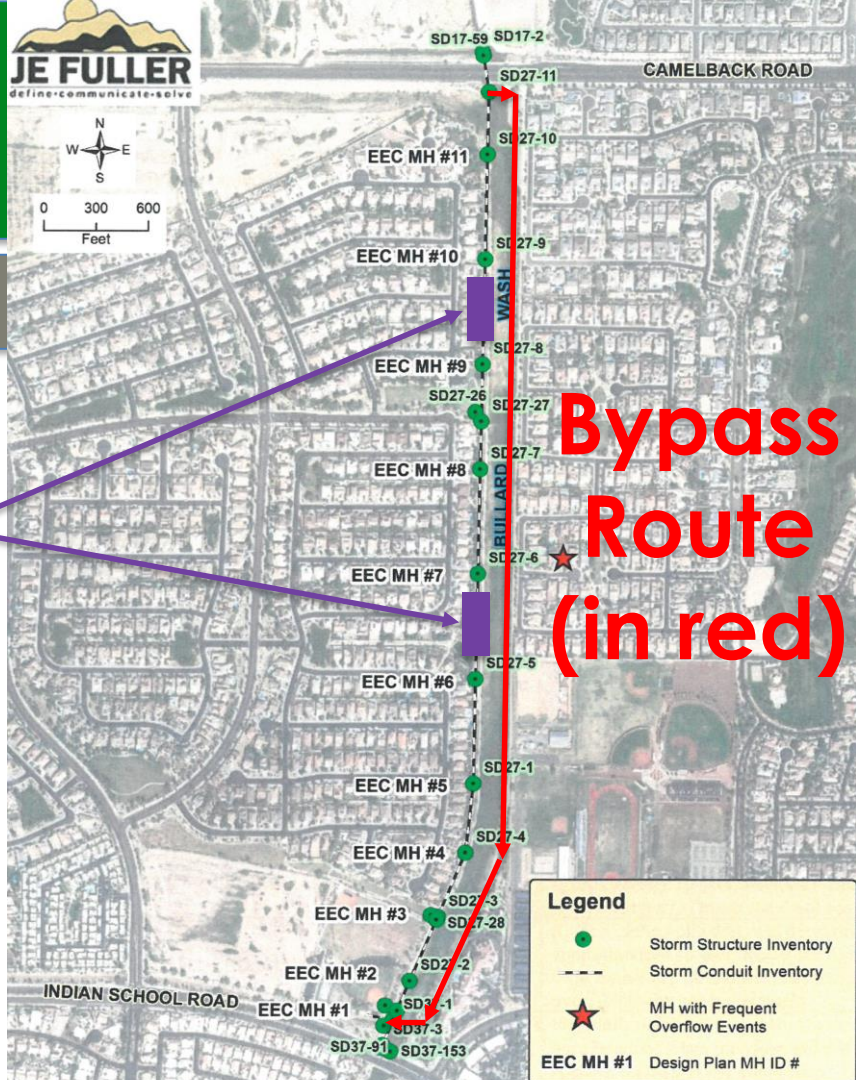
Must Bypass
Before we can
Repair/ Replace



Major
Blockages



Bypass
Route
(in red)



Legend

- Storm Structure Inventory
- Storm Conduit Inventory
- ★ MH with Frequent Overflow Events
- EEC MH #1 Design Plan MH ID #

Latest Activities – Emergency Response

8 week schedule – **Day 1 – Thursday 9/19**



- **Hired Hunter Contracting**
 - **Bypass Flows**
 - **Repair Pipe – Spot Repair / CIPP / Remove & Replace**

Latest Activities – Emergency Response

8 week schedule – **Day 2 – Friday 9/20**



~ 2,000 Feet Installed



Seeking Authorization



STAFF RECOMMENDATION = FUNDING OPTION 2

Item In Order of Use Priority	Funding Option 1	Funding Option 2
Repurpose the Bullard Wash Tailwater capital project	\$ 337,000	\$ 337,000
Repurpose the Parks One-time Supplemental for Bullard Wash Clean-up	\$ 108,000	\$ 108,000
City Manager Contingency-One-time Portion	\$ 250,000	\$ 125,000
Council Special Project Fund	\$ 0	\$ 125,000
Total Up To General Fund Amount	\$ 695,000	\$ 695,000