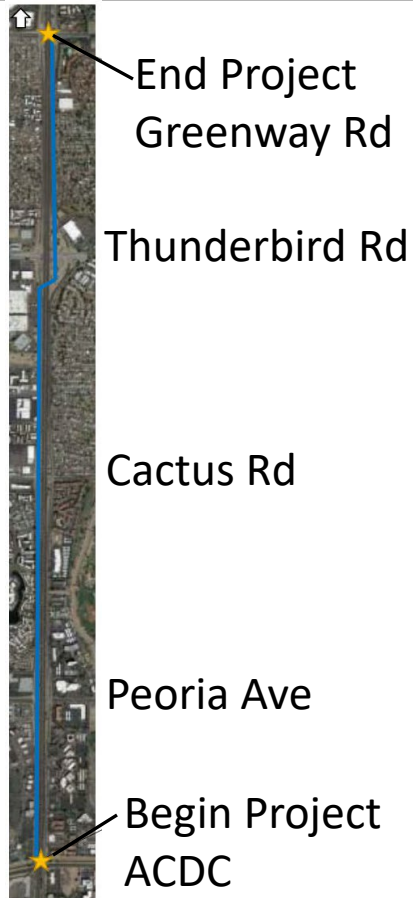


Arizona Department of Transportation
I-17, Drainage Improvements
Peoria Avenue to Greenway Road

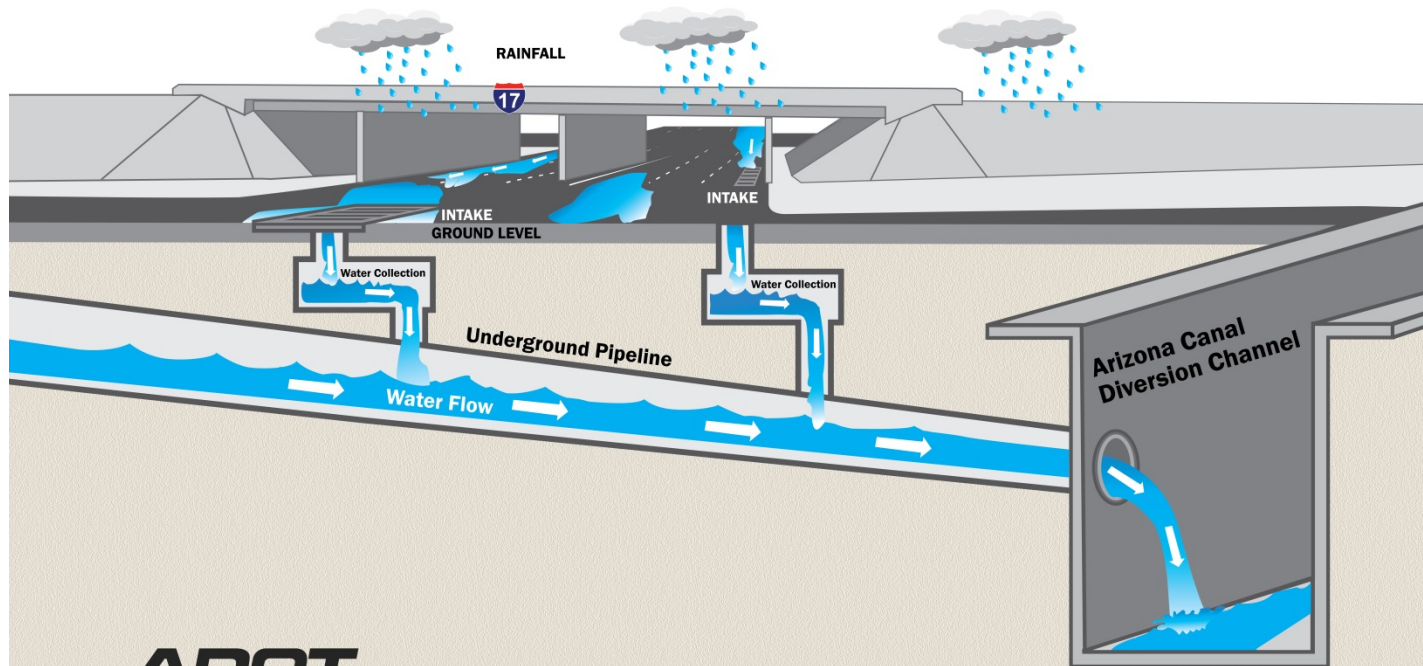
City of Phoenix Council Policy Session
January 14, 2020



Project Overview

- Install a gravity drainage system from Greenway Road to Arizona Canal Diversion Channel (ACDC)
- Approximately 4 miles of large diameter pipe
- Remove 4 existing pumps stations

How a gravity drainage system works



Need for the Project



Need for the Project



Main Project Features

- 23,800 LF of Pipe
- 2 Detention Basins (171,000 CY)
- ACDC Outlet Structure
- 4 Pump Stations Removed

Storm Drain Installation



Storm Drain Pipe

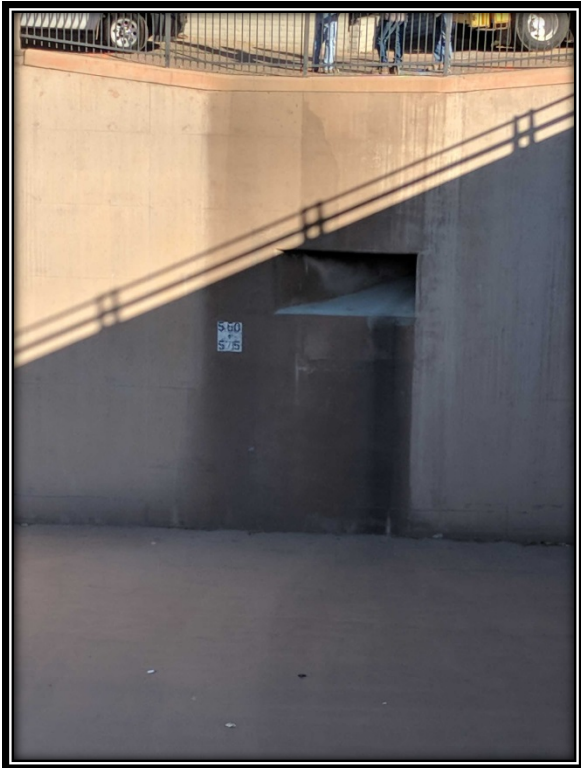
- Reinforced Concrete Pipe (RCP)
- Trench Construction on Frontage Roads
- Depth of Pipe Varies from 10 ft to 30 ft
- Pipe Size Varies from 15-inch to 90-inch
- Slurry & Earth Backfill

30" Jack and Bore Under I-17

- Thunderbird Road

Retention Basins at Thunderbird Road

ACDC – Outlet System



Junction Structure Outfall Tie In

- Required US Army Corps of Engineers (USACE) Section 408 Permit
- Required Flood Control District of Maricopa County (FCDMC) Right-of-Way Use Permit

Project Cost

- Design and Construction - \$38.2M
- Temporary Construction Easements - \$124K



Construction

- Contract awarded to Fischer Contracting, Inc. on 9/23/2019
- Preconstruction/Partnering Meeting held on 11/7/2019
- Construction Start - 01/21/2020
- Construction Duration - 20 months
- ADOT Resident Engineer – Jimmy Naujokaitis

Construction Sequencing

- Phase 1 – ACDC to Peoria Ave (4 months)
- Phase 2 – Peoria Ave to Cactus Rd (3 months)
- Phase 3 – Cactus Rd to Thunderbird Rd (6 months)
- Phase 4 – Thunderbird Rd to Greenway Rd (7 months)

Road Closures

I-17 Frontage Roads

- Close one Segment

Crossroads

- One crossroad per weekend
- 9:00pm Fridays – 5:00am Mondays
- Coordination Required with City of Phoenix
- Liquidated Damages



Public Outreach So Far (Design)

- News media
- Developed and maintained project web page
- Distributed informational fliers
- Presented at HOA meeting
- Participated in a community event at Metro Center Mall
- Met with Councilwoman Stark

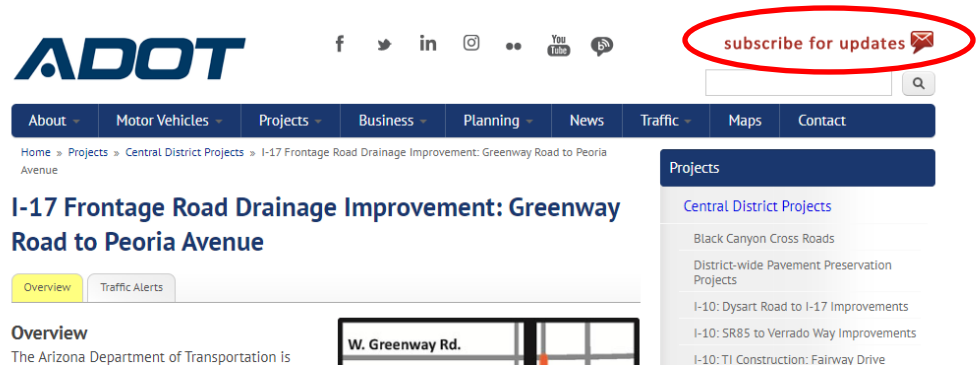
Public Outreach Moving Forward (Construction)

- Gunn Communications, Inc. hired to assist with public outreach
- News and social media announcements
- Distribute informational fliers
- Maintain project web page with critical construction info
- Send email alerts
- Presentation to the Village Planning Committee and/or HOA if requested
- Business outreach – business walk and initial outreach and regular interaction/check-ins

Staying Informed

Web Site: <https://azdot.gov>

Subscribe to receive project updates and traffic alerts during construction



Bilingual Project Information Line: 855.712.8530