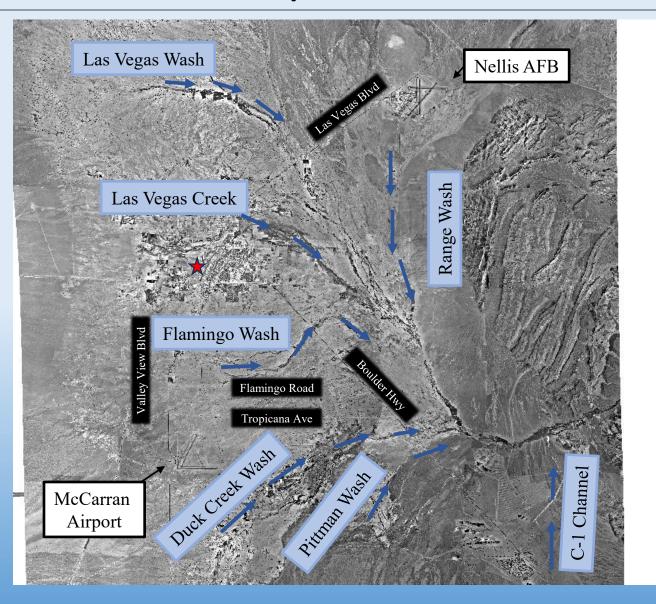


**RFCD: Past Present & Future** 

Andrew Trelease, P.E., CFM
General Manager/Chief Engineer



### Aerial Photo LV Valley - 1950



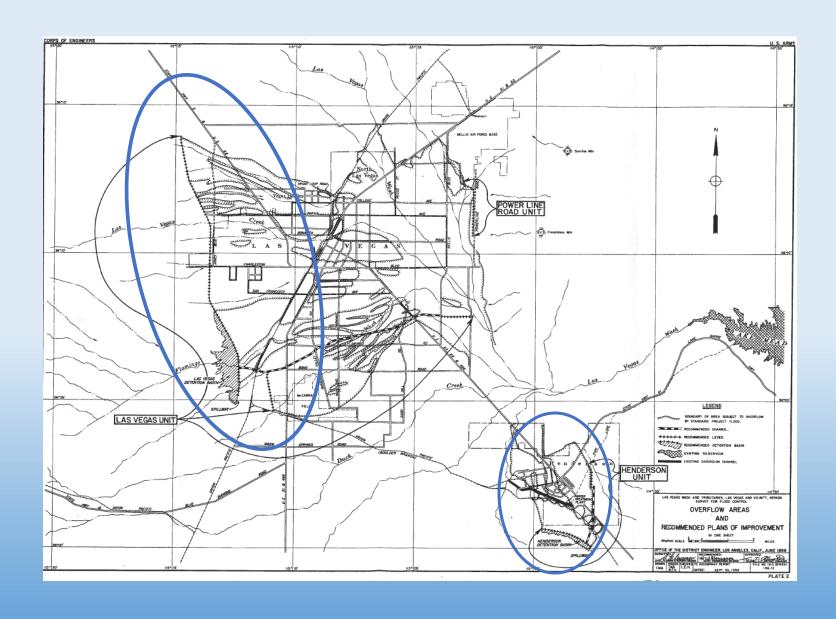


### Flamingo Wash at LVBD - 1950



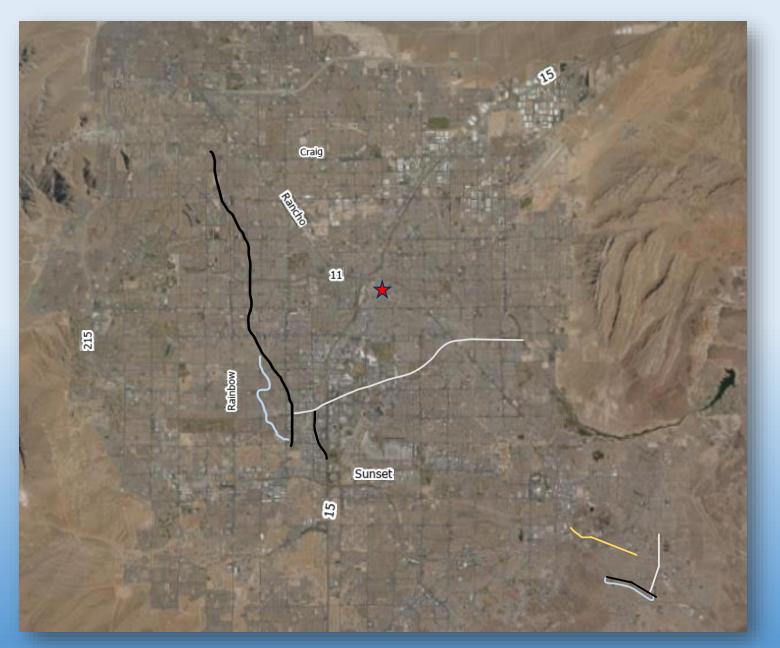


### 1959 USACE Master Plan



### 1959 USACE Master Plan

2025 Aerial



### About Regional Flood Control District (RFCD)





Created in 1986



Distinct local
government agency
with a Board of
Directors comprised of
8 elected officials



Main function is planning and funding major flood control infrastructure in Clark County, Nevada



Funded by ¼ of one cent sales tax

(\$157 million FY 25)



28 staff members (7 Vacant)



Andrew Trelease, P.E., CFM
General Manager/Chief Engineer

**Brian Rowley, P.E.**Deputy General Manager





### **Flood Safety**



Michelle French
Public Information Manager

Jacob Sanders
Public Information Coordinator



### Wh

### What is Flood Control?

### **Regional Flood Control District Mission:**

To improve the protection of life and property for existing residents, future residents, and visitors from the impacts of flooding while also protecting the environment.



Keep **FLOODS** away from people

### Drainage Infrastructure

- Planning
- Funding
- Design
- Construction

- Operations
- Maintenance
- AssetManagement

Keep **PEOPLE** away from floods

### Communication

- Education
- Outreach
- Warning
- Collaboration



### **Existing Facilities (Blue) Proposed Facilities** Ten-year plan (Red) Beyond ten-year plan (Green)

### RFCD 2023 Flood Control Master Plan Update

# 

### **Master Plan Progress**

**Completed Facilities** 

349 miles

**Storm Drains** 



**PROPOSED TYCP** 

F-1 Debris Basin

149 total basins on Master Plan

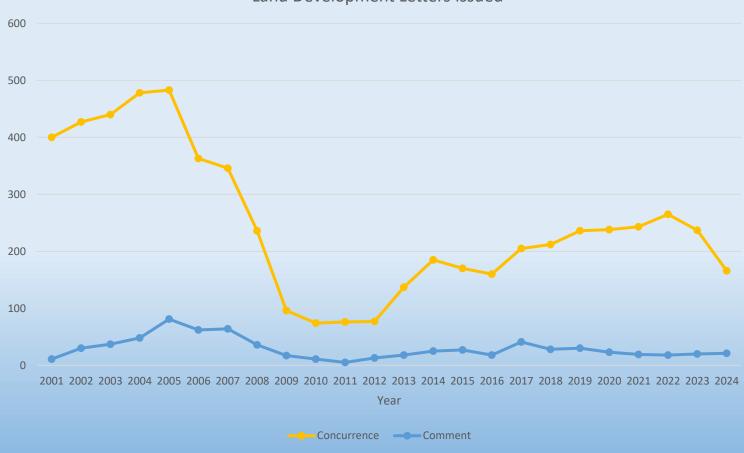


### Capital Improvement Program

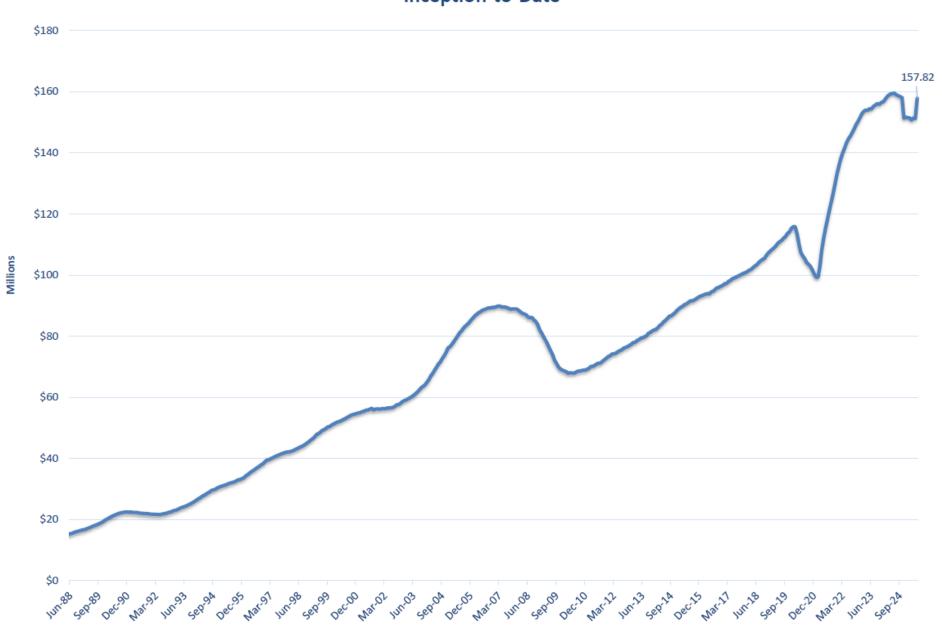
Totals	Total Projects	RFCD Cost	
Construction	12	\$	149,794,682
About to Start Construction	4	\$	23,265,847
Out to Bid	-		-
Soon to Advertise	3	\$	23,987,760
Construction Total (funded)	19	\$	197,048,289
Design Total	30	\$	678,797,003
Total All	49	\$	875,845,292

### Land Development Trends

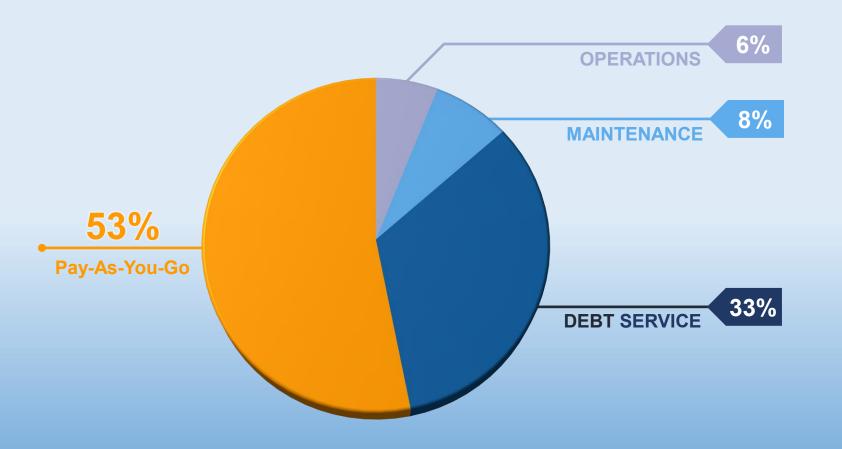




### Rolling 12-Month Total Sales Tax Revenue Inception-to-Date



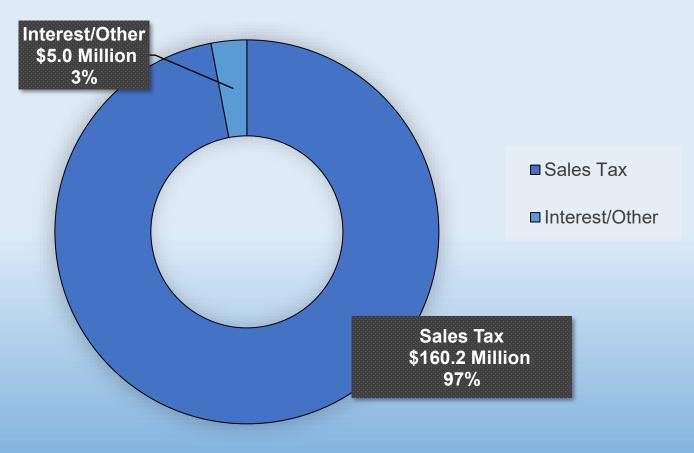
### HISTORICAL ANNUAL EXPENDITURES







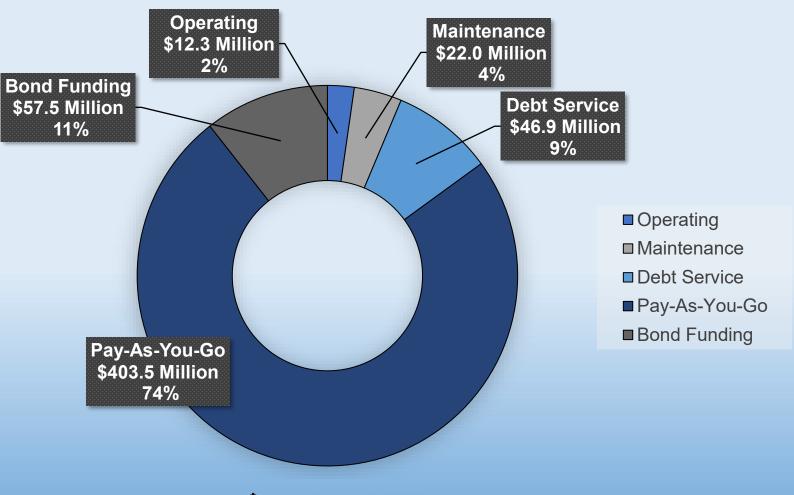
### FY 2026 Estimated Resources



\$165.2 Million



### FY 2026 Expenditures Budget



\$542.2 Million



### Update Drainage Design Manual

### **Last Adopted in 1999**

### **Update:**

Text

Figures

**Equations** 

Criteria

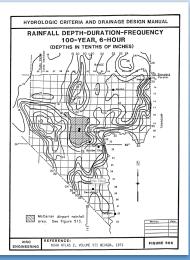
Guidance

References/Links

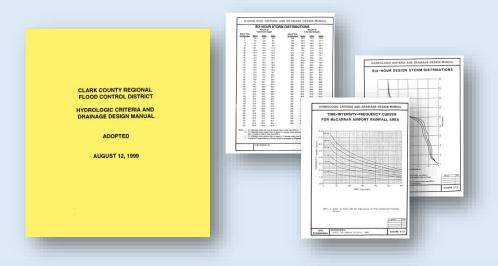
Everything

### **Major Stakeholder Coordination Effort**









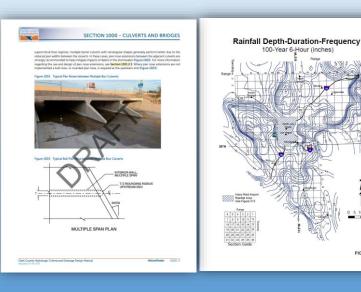
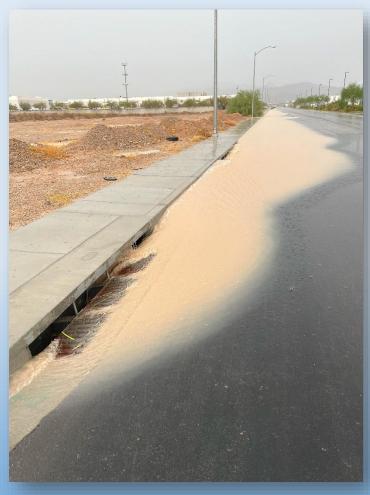


FIGURE 506

# Futuire =

### **Special Projects**



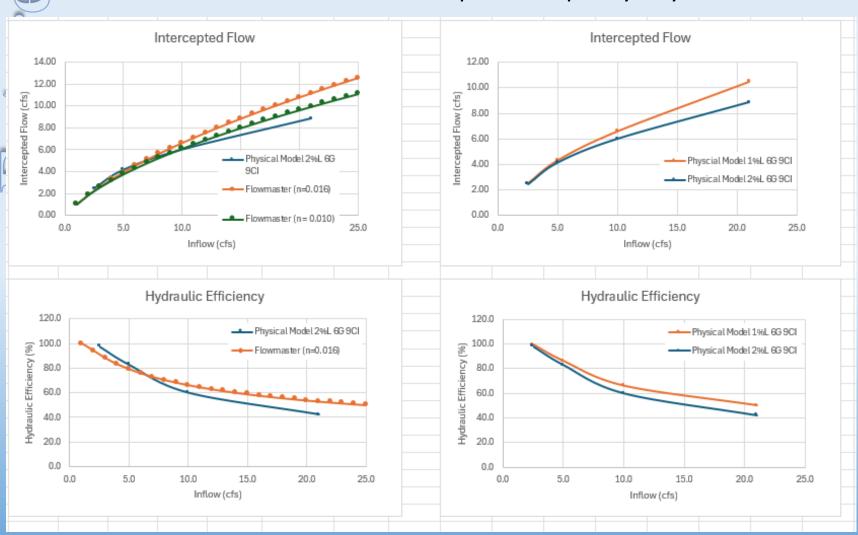






















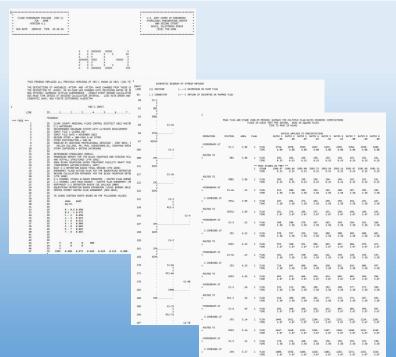


USACE Hydrologic Engineering Center (HEC) Customize HEC-HMS Software and Reporting

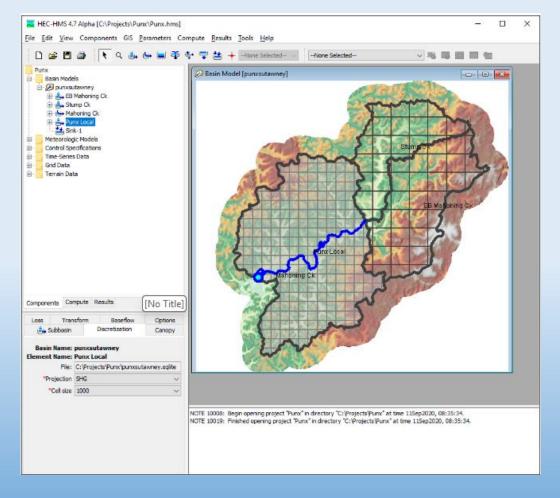
```
ENTER INPUT FILENAME <NO DEFAULT> ===>
hec1-ex2.dat

ENTER OUTPUT FILENAME <DEFAULT: CON> ===>
hec1-ex2.out

ENTER DSS FILENAME <DEFAULT: Hidss>
PRESS <ENTER> IF NOT USING DSS ===>
```









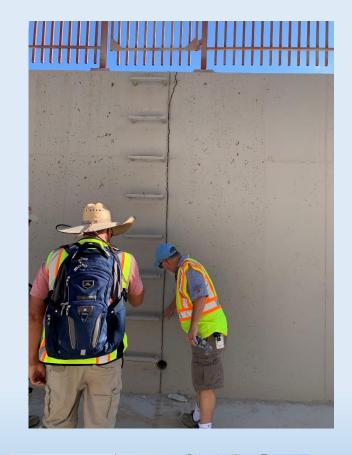




Flood Control Facility Condition Assessment















**Ongoing Flood Insurance Studies** 

Muddy River – Logandale: Western Washes FIS



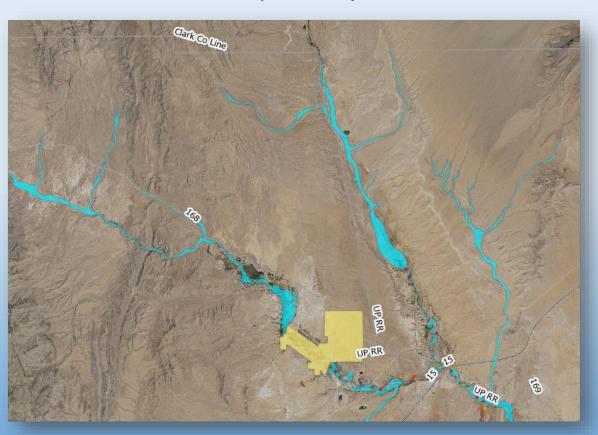
Lower Flamingo Detention Basin and Outfall LOMR





Potential Flood Insurance Studies

Moapa Valley



Southern Nevada Supplemental Airport Ivanpah Valley



## TURN AROUND DON'T DROWN WATER ALWAYS WINS BEFLOODSAFE.COM

### **Public Information**

**Drainger Danger** 







