



ROADSIDE DITCH RE-ESTABLISHMENT PROGRAM

A BEST VALUE PROACTIVE APPROACH

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Transportation & Drainage Operations

April 2024 Update

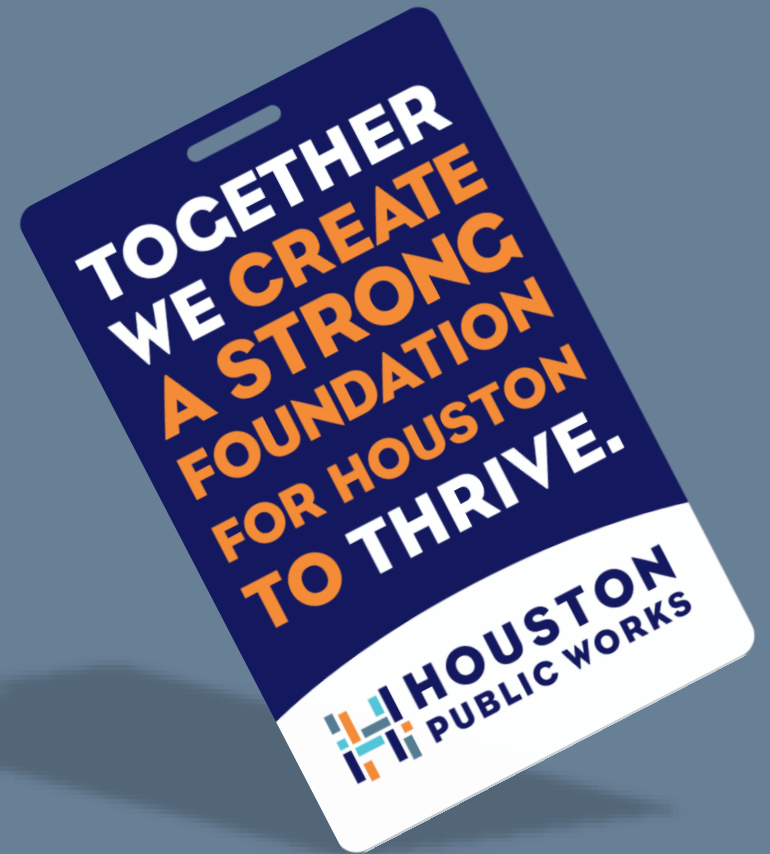


PURPOSE

together we create a strong foundation
for Houston to thrive

5 TO THRIVE VALUES

respect | ownership | communication | integrity | teamwork



HOUSTON PUBLIC WORKS

16,000

LANE MILES OF
STREETS



3,900

MILES OF
STORM DRAINS

163B

GALLONS OF WATER
TREATED PER YEAR



2,450

TRAFFIC SIGNALS

2,500

MILES OF
ROADSIDE DITCHES



5.8M

WATERBILLS
SENT PER YEAR

467

TYPES OF PERMITS



\$2.4B

ANNUAL BUDGET



4,000

EMPLOYEES

HOW ARE DITCHES MAINTAINED?

BASIC MAINTENANCE

Prevents unexpected failure

Abutting property owners maintain roadside ditches cleared of obstructions:

- Overgrown vegetation: mowing
- Trash: litter / light debris pickup
- Avoid unpermitted installations
(e.g., walls, bridges, inadequate landscape)



DITCH RE-ESTABLISHMENT

Reinstates ditch functionality

Houston Public Works:

- Regrading
- Clearing and grubbing
- Flow Line Establishment
- Culvert flushing and repair
- Removal heavy debris/obstructions





Prior to 2001

2001

2023



Neighborhood to Standards

Proactive Approach

- Council Districts selected locations / neighborhoods
- ✓ Plan – Investigate - Survey
- ✓ Repair driveways/culverts
- ✓ Re-establish ditches
- ✓ Flush culverts

Planned Work with Added Value Citywide



311 Help Line

Reactive Approach

- Public reports concerns to 311
- ✓ 311 Case created
- ✓ ~~Plan~~ - Investigate - ~~Survey~~
- ✓ ~~Repair driveways/culverts~~
- ✓ Re-establish ditches
- ✓ Flush culverts
- Equivalent to 12-Year Service Cycle

Reactive Work with Reduced Localized Value

Challenges Increasing

Staff Reductions – Critical Equipment – Increased Annual Rainfall



Roadside Ditch

Re-establishment Program Transition from Point Repair to Proactive Approach

- ✓ Citywide Inspection
- ✓ Plan – Investigate - Survey
- ✓ Repair driveways/culverts
- ✓ Re-establish ditches
- ✓ Flush culverts

Planned 5-Year Service Cycle

Proactive Work with Best Value Citywide

SLA 60 to 30 days – Emergency/Event Response

ROADSIDE DITCH MAINTENANCE HISTORY

ROADSIDE DITCH REESTABLISHMENT PROGRAM

Proactive Planned- 5-Year Inspection and Re-establishment Cycle (500 miles / year capacity)
Priority to Northeast and Complete Communities during Transition Period

- Additional One-Time Resources FY24 Approved for Equipment and Contract Procurement
- Fixed Annual In-House Staffing and Contract Resources Required after FY25

FY24

- 1,500 miles of roadside ditches inspected in Northeast and Complete Communities
- \$15M Equipment Procurement
- \$25M Contracts Procurement

FY25

- 1,000 miles of roadside ditches inspected in remaining areas
- 450 miles re-established in Northeast and Complete Communities *
- 50 miles re-established in remaining areas

FY26

- 450 miles re-established in Northeast and Complete Communities
- 50 miles re-established in remaining areas

FY27

- 300 miles re-established in Northeast and Complete Communities
- 200 miles re-established in remaining areas

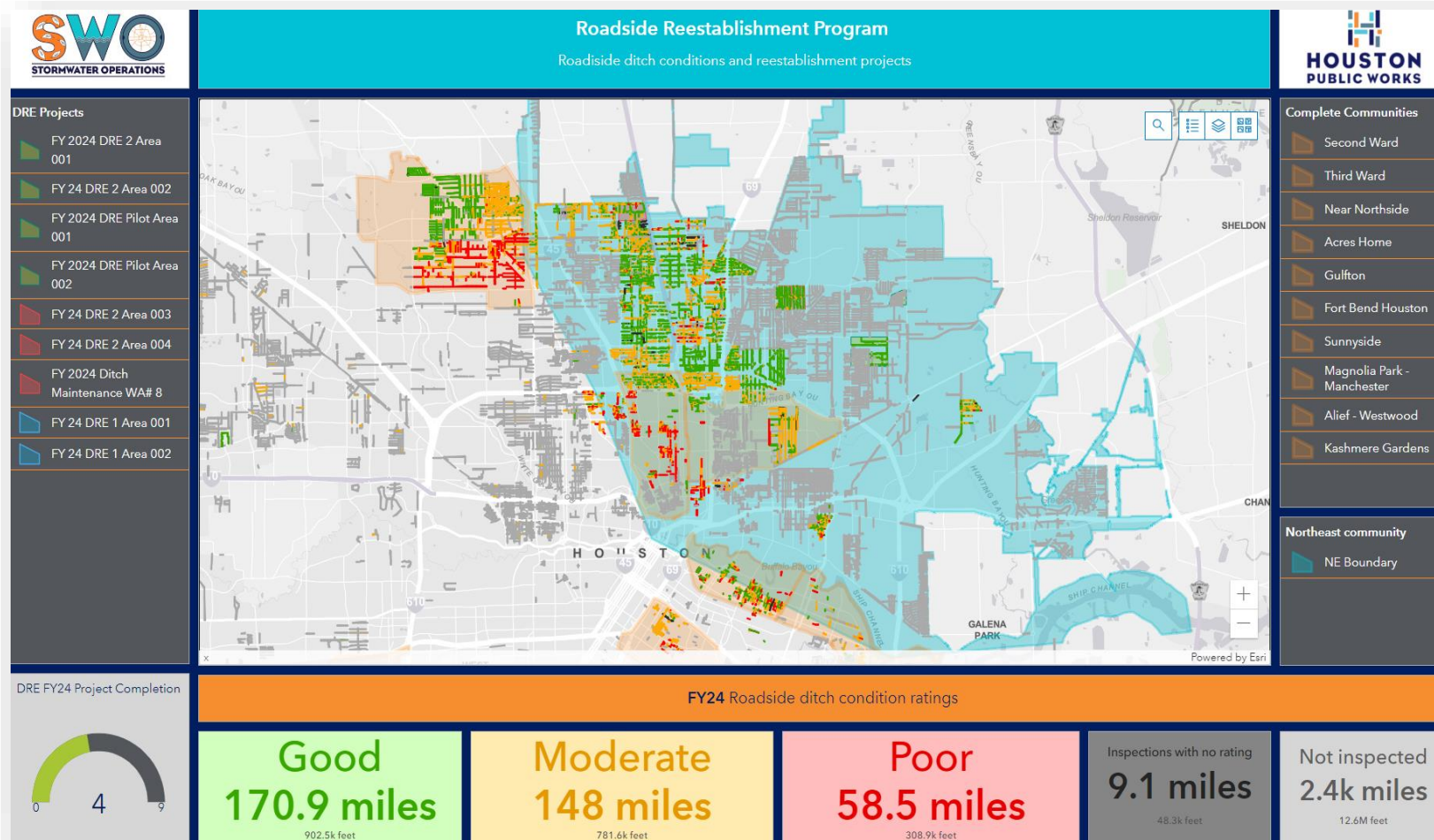
FY28

- 500 miles inspected and re-established in remaining areas
- 5-Year Cycle Starts**

** Plan schedule based on assumption that ~80% of roadside ditches in Northeast & Complete Communities rated in poor condition (~1,200 mi)*

FY24 Updates: I. Inspections & Mapping

- ✓ 1,380 miles of Roadside Ditches inspected (April 2024 report)
- ✓ Ditches on Northeast and Complete Communities digitized
- ✓ Program Map and Dashboard in development



FY24 Updates: II. Equipment

\$17,270,030 Approved for Additional In-House Equipment (FY24)

Equipment	Total Cost	Status
12 Gradalls	\$5,839,739	6 Units Received
36 Dump Trucks	\$10,159,200	Pending
2 Cleaning Units	\$1,271,090	Pending



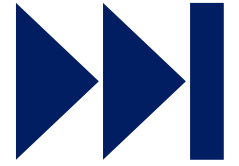
FY24 Updates: III. Contracts



\$25,000,000 Approved for Support Contracts (FY24)

Contract Name	Contract Amount	Contractor Selected	Current Status
FY2024 Ditch Re-establishment Contract #1	\$5,000,000.00	DL Glover Utilities	Passed Council on 03/06/2024 ✓
FY2024 Ditch Re-establishment Contract #2	\$2,250,000.00	H&N Management Services	Passed Council on 12/20/2023 ✓
FY2024 Ditch Re-establishment Contract #3	\$5,000,000.00	DL Glover Utilities	Passed Council on 4/17/2024 ✓
FY2024 Ditch Re-establishment Contract #4	\$6,375,000.00	J Rivas Construction	Currently with PSS/GRO
FY2024 Ditch Re-establishment Contract #5	\$6,375,000.00	J Rivas Construction	Currently with PSS/GRO

WHAT IS NEXT?



FY25 BUDGET:

1) In-House Personnel

- 89 Field Positions
- 8 Contract Management & Inspection

2) Contract Funding

- \$25M Annually

→ **INSPECTION – WORK ASSIGNED – REASSESSING PROGRAM TIMELINES**

thank you!



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