



# UPDATE ON CITYWIDE CANAL DREDGING EFFORTS

Department of Public Works – City of Fort Lauderdale

**SEPTEMBER 20, 2016**

# AGENDA

- Assessment
- Status Report
  - Milestones and Goals
  - Assessment of Canal Dredging Requirements
  - Rate Study Timeline and Risk Mitigation
- Review of Neighbor Inquiries
- Dredging Criteria
- Next Steps for City Officials
- Canal Dredging Schedule

# STATUS REPORT

- Canal Assessment and Dredging Master Plan
  - ✓ City Commission approved funding for remaining surveys (January 2016)
  - ✓ Completed 100% Citywide Surveys (*August 12<sup>th</sup>*)
    - Process survey data and determine dredging needs of remaining canals (*October 30<sup>th</sup> 2016*)
    - Finalize Canal Dredging Master Plan (*November 30<sup>th</sup>*)
- Rate Study and Funding Mechanism
  - ✓ Issued Canal Dredging Rate Study solicitation (*August 18<sup>th</sup>*)
    - Review RFPs and select financial consultant (*September 30<sup>th</sup>*)
    - Award financial consultant contract (*November 15<sup>th</sup>*)
    - Complete rate study and present to Budget Advisory Board and City Commission (June 2017)

# COMPREHENSIVE CANAL ASSESSMENT

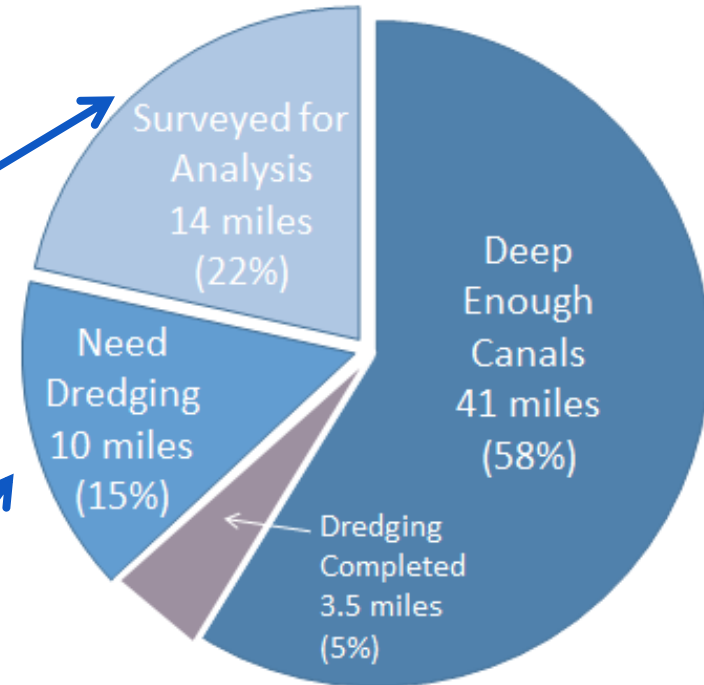
## Remaining Canals Surveyed for Analysis:

8 miles (navigable)  
+ 6 miles (drainage)  
= 14 miles (of recently surveyed canals)

- 40% (5.6 miles) will need dredging
- Design & permit: \$0.50 M
- Const. Cost: \$2.24 M  
\$2.74 M

## Known dredging needs:

- 10 miles (navigable)
- Design & Permit: \$1.01 M
  - Const. Cost: \$3.73 M  
\$4.74 M



Total cost of master plan (forecast of unknown + known dredge needs) = \$2.74 M + \$4.74 =  
\$7.5 M (Rounded)

# RATE STUDY TIMELINE

## RFP

- RFP Advertised to obtain financial consultant 8/18/16
- City approves consultant contract award No Later Than 11/15/16

## Rate Study

- Consultant to conduct rate study 11/17/16 – 4/28/17
- Rate study review by City staff 5/1/17 – 5/31/17

## Approve

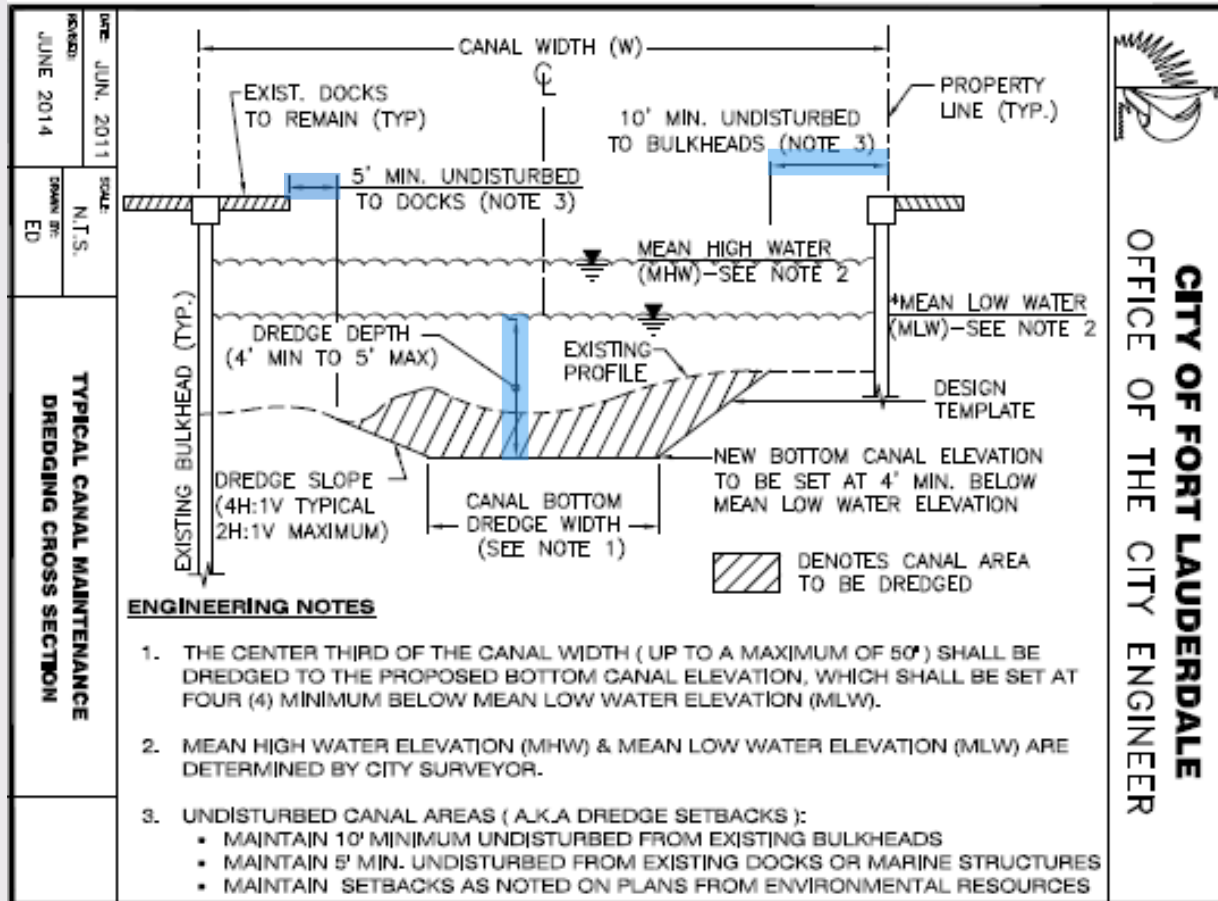
- Submit recommended rate structure to Budget Advisory Board June 2017
- Present to City Commission Conference Meeting for consideration
- Minimum of 2 Public Hearings at City Commission Regular Meetings
- Adopt intent resolution & submit copy of intent to County by January 1 2018

# NEIGHBOR CONCERNS

- Neighbor Concerns:
  - *Inability to dock boat*
  - *Selling home value/buyer needs*
  - *Environmental concerns*
  - *Mosquito concerns*
  - *Shallow finger canals*
  - *Canal end treatments*
  - *Restricted areas*
  - *Potential damage to private seawalls*
- City vs. non-City canals
- Prioritization of dredging within Master Plan
- Environmental permitting requirements
- Process to request dredging and timeline to complete work
- Drainage vs. Navigable canal standards

# CANAL DREDGING CRITERIA

2011 Marine Advisory Board accepted Canal Dredging criteria



**CITY OF FORT LAUDERDALE**  
**OFFICE OF THE CITY ENGINEER**

# NEXT STEPS

- Award contract for consultant to conduct a rate study (November 2016)
- Commission provide direction on funding mechanism to allow dedicated funding stream in FY2019
- Budget for specific survey, design, and environmental permitting in FY2018
- Budget for construction/dredging based on revenues available in FY 2019



# QUESTIONS