



City of Pompano Beach G.O. Bond Projects  
McNab Road Bridge and Streetscape Improvements



Kimley»»Horn

# Design Considerations

Bridge Geometry

Aesthetics

Traffic control

Resident and Business Access

Utilities

Environmental Permitting

Pedestrian Accommodations

Construction Operations

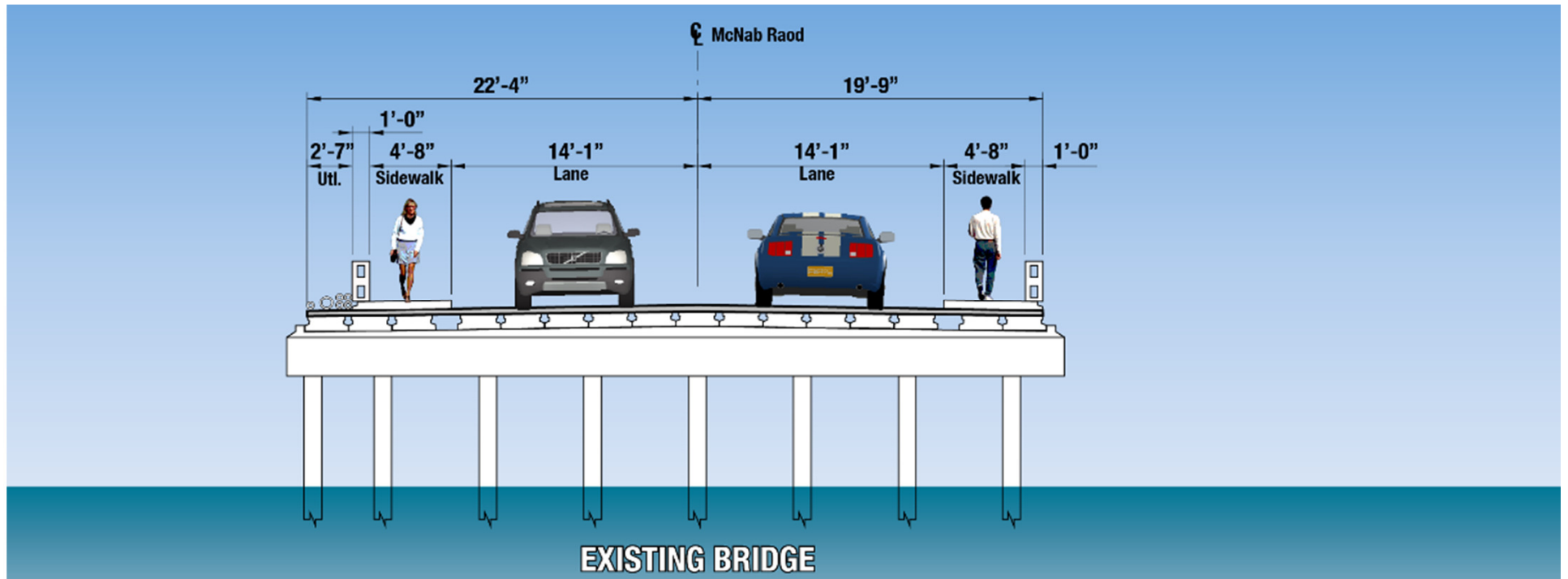
Landscaping

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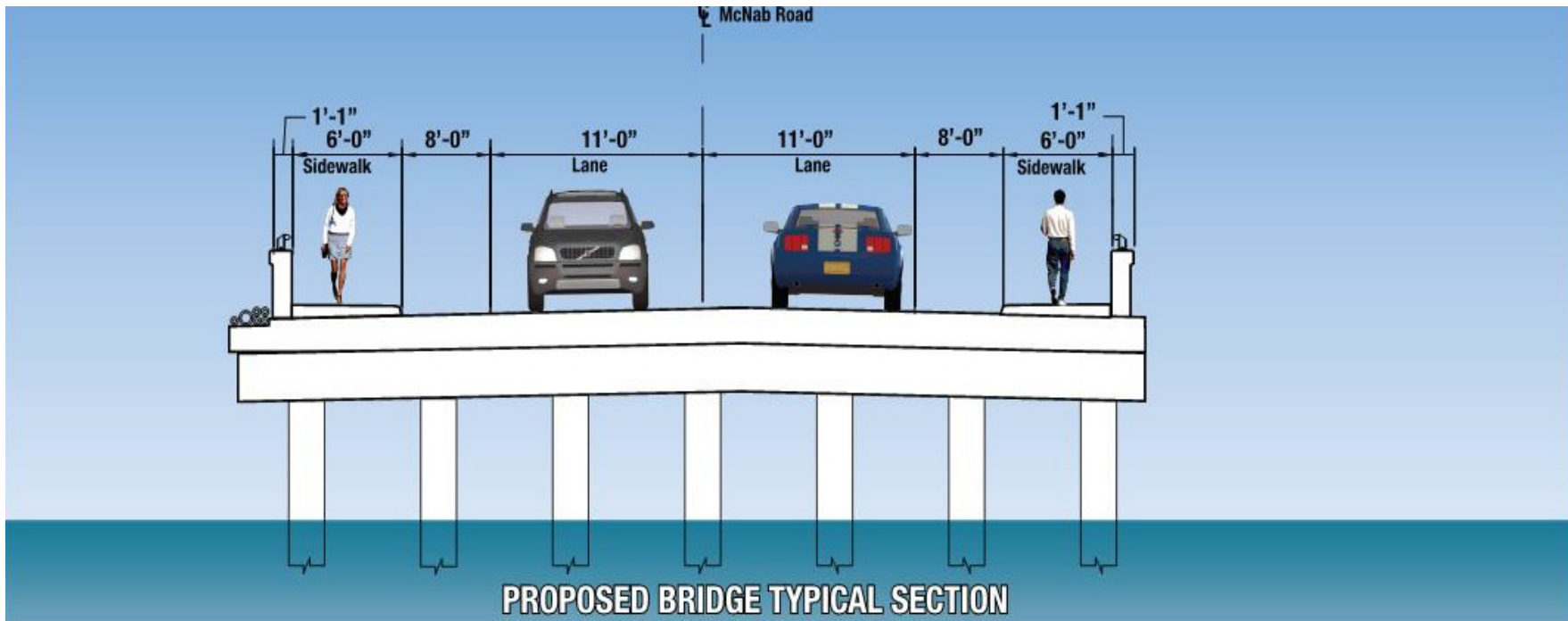


# Bridge Structure

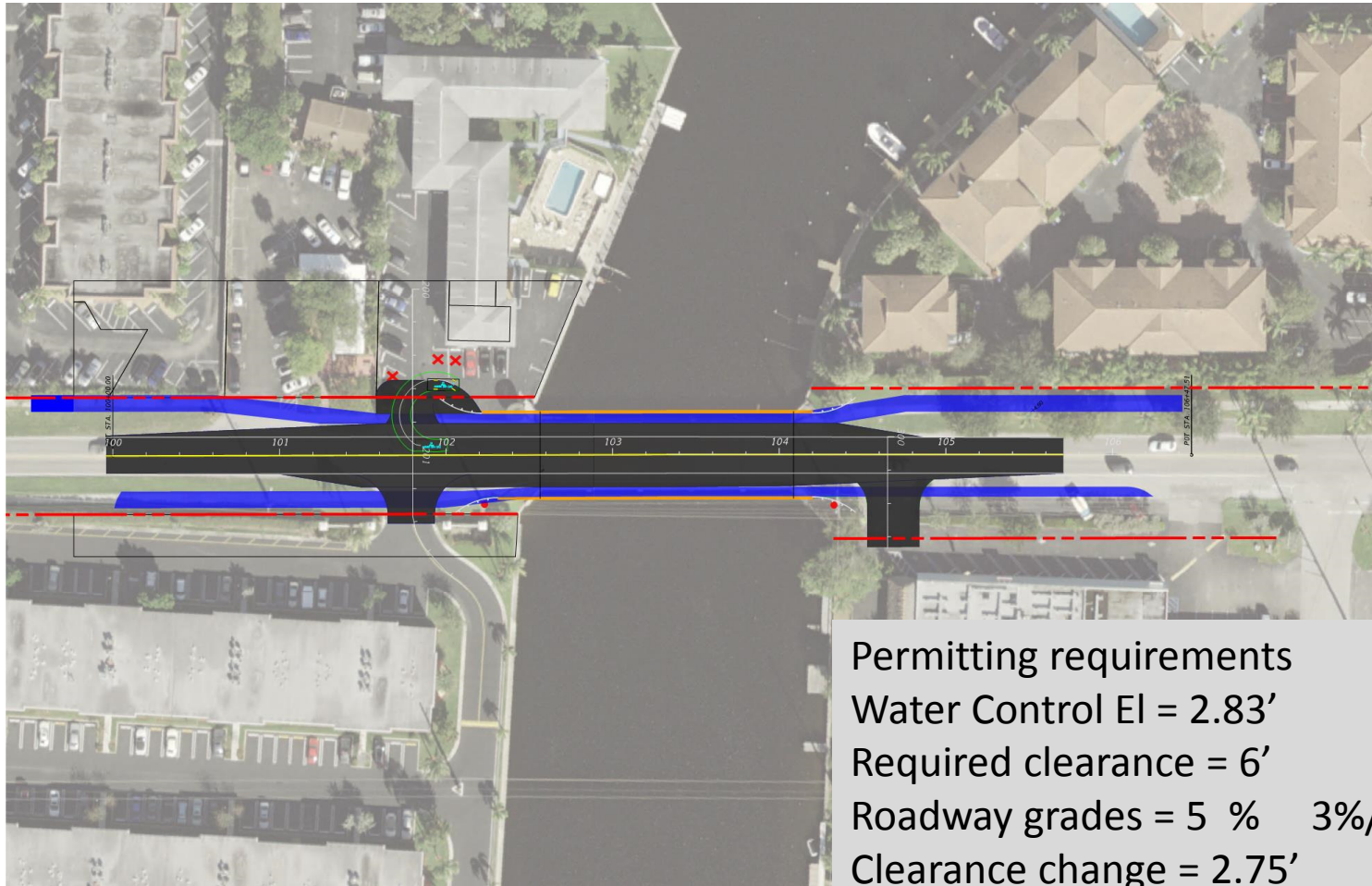
Functionally Obsolete  
Structurally Deficient



Functionally obsolete  
No shoulder  
Existing vertical clearance 4.52'

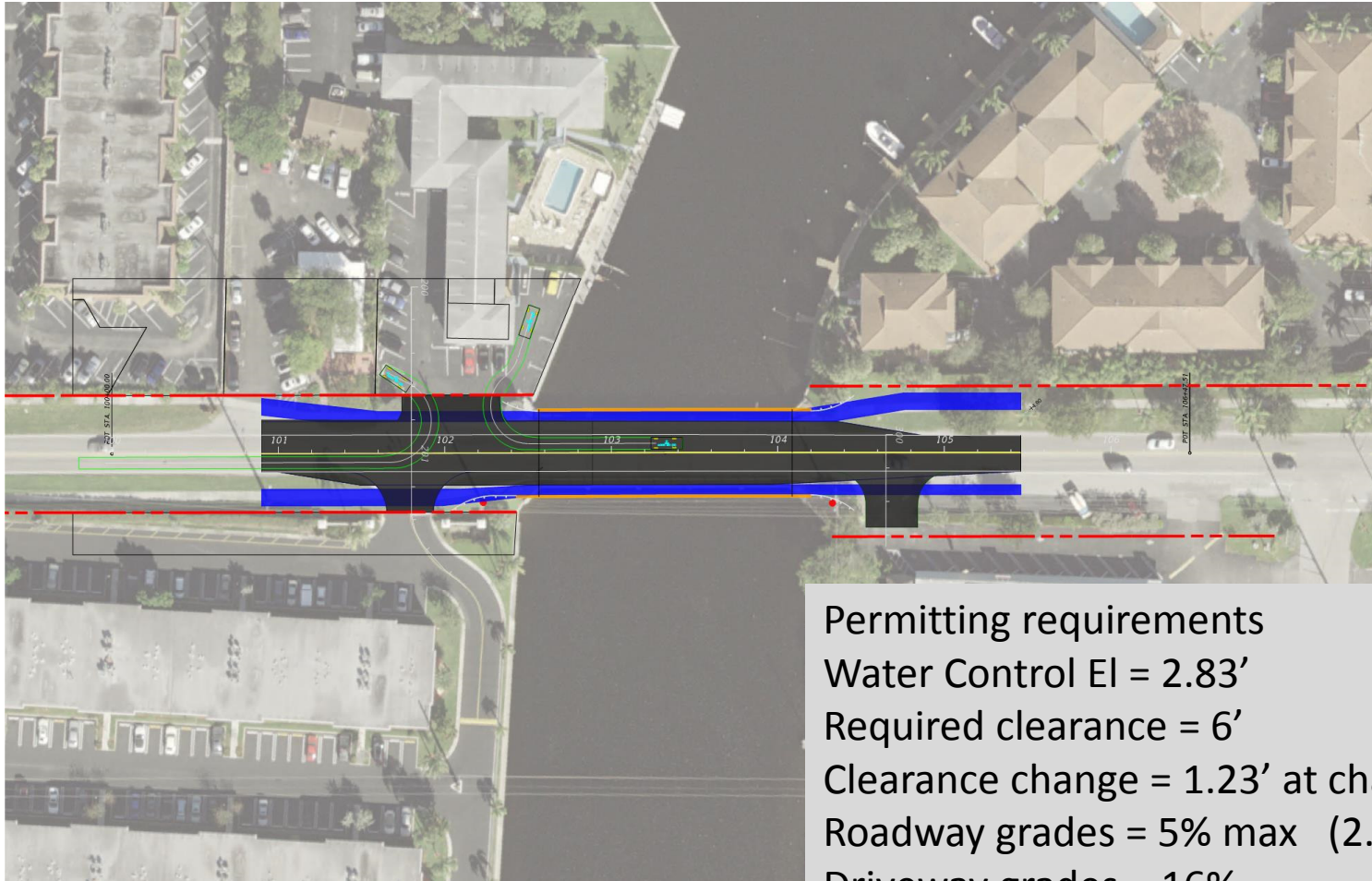


# Permitting alternative



Permitting requirements  
Water Control EI = 2.83'  
Required clearance = 6'  
Roadway grades = 5 %    3%/3.6%  
Clearance change = 2.75'  
Driveway grades = 28%  
Sidewalk width = 6'  
SSD = 305'

# “Best-Fit” alternative



Permitting requirements  
Water Control EI = 2.83'  
Required clearance = 6'  
Clearance change = 1.23' at channel  
Roadway grades = 5% max (2.6%)  
Driveway grades = 16%  
Sidewalk width = 6'  
SSD = 305'

# Other alternatives evaluated

Removing Bridge

Constructing a bascule bridge

Closing driveway on NW corner



## Aesthetics



## Aesthetics





# Comments