



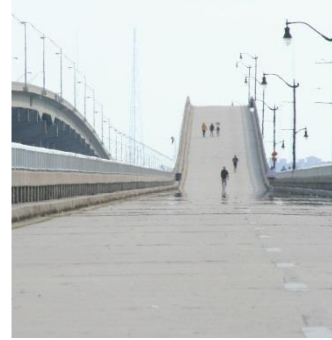
TAMPA BAY SURGE BARRIER

PLANNING
ENGINEERING
SAFETY
TRANSIT
ACCESSIBILITY

JRB Solutions, LLC

People Focused Planning and Engineering
3023 Eastland Blvd, Suite 110, Clearwater, FL 33761

PROJECT GOALS



Protect Critical Infrastructure, Jobs



Improve Safety, Travel Time

Build Commuter Rail and Mobility Options

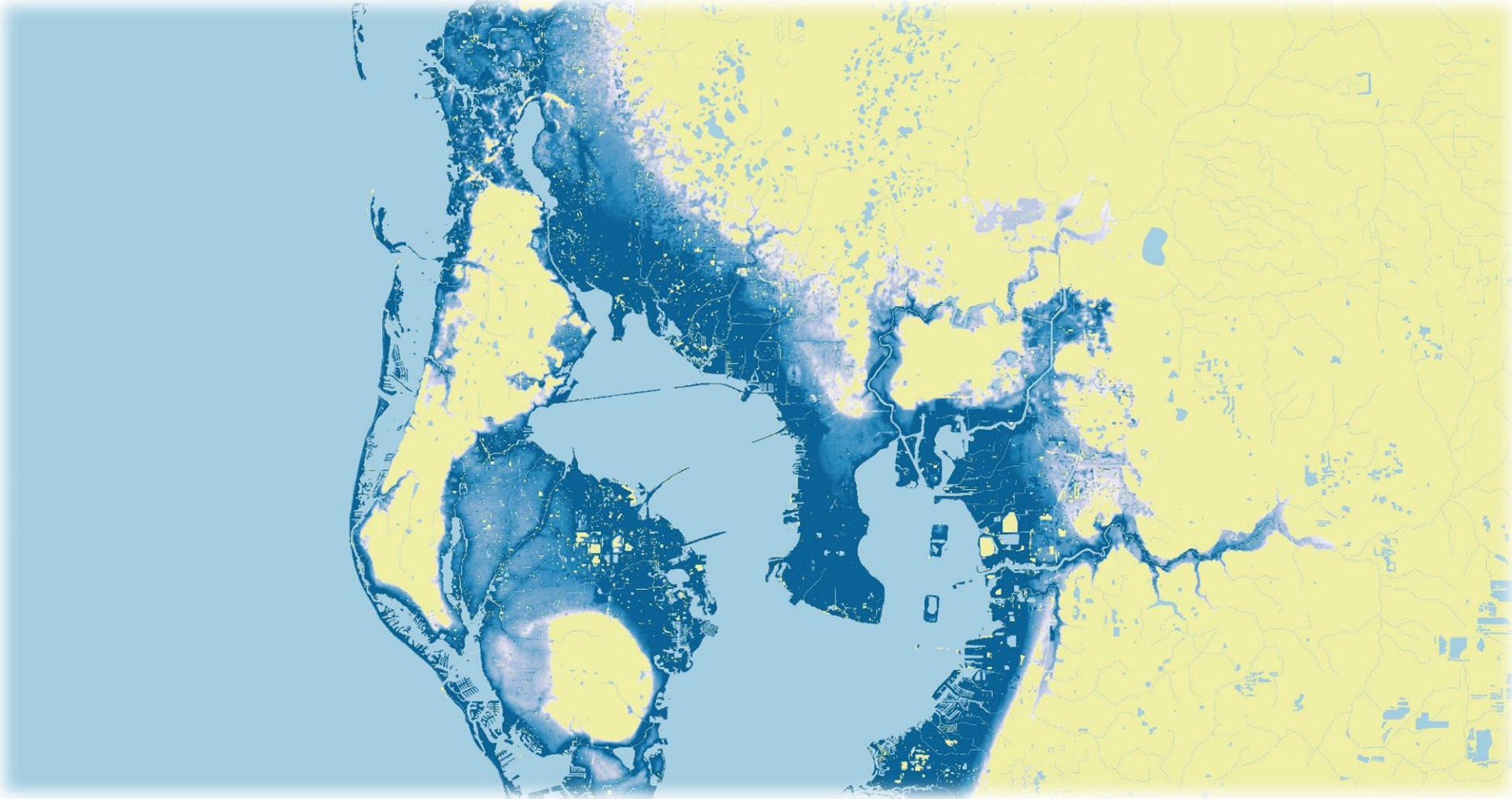


Reduce Risk, Lower Insurance Costs

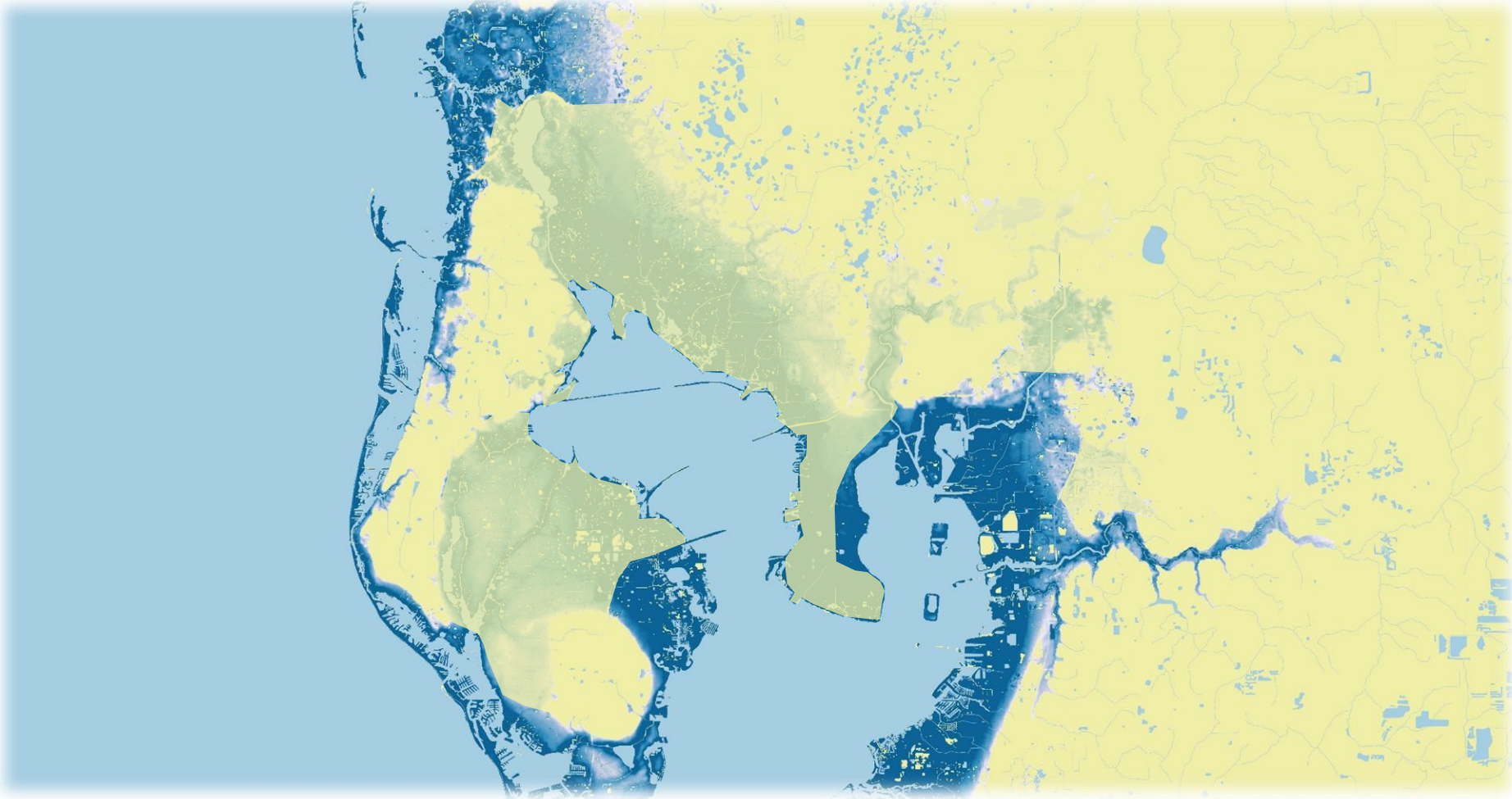


Reduce Regular Local Flooding

IMPORTANT AREAS VULNERABLE



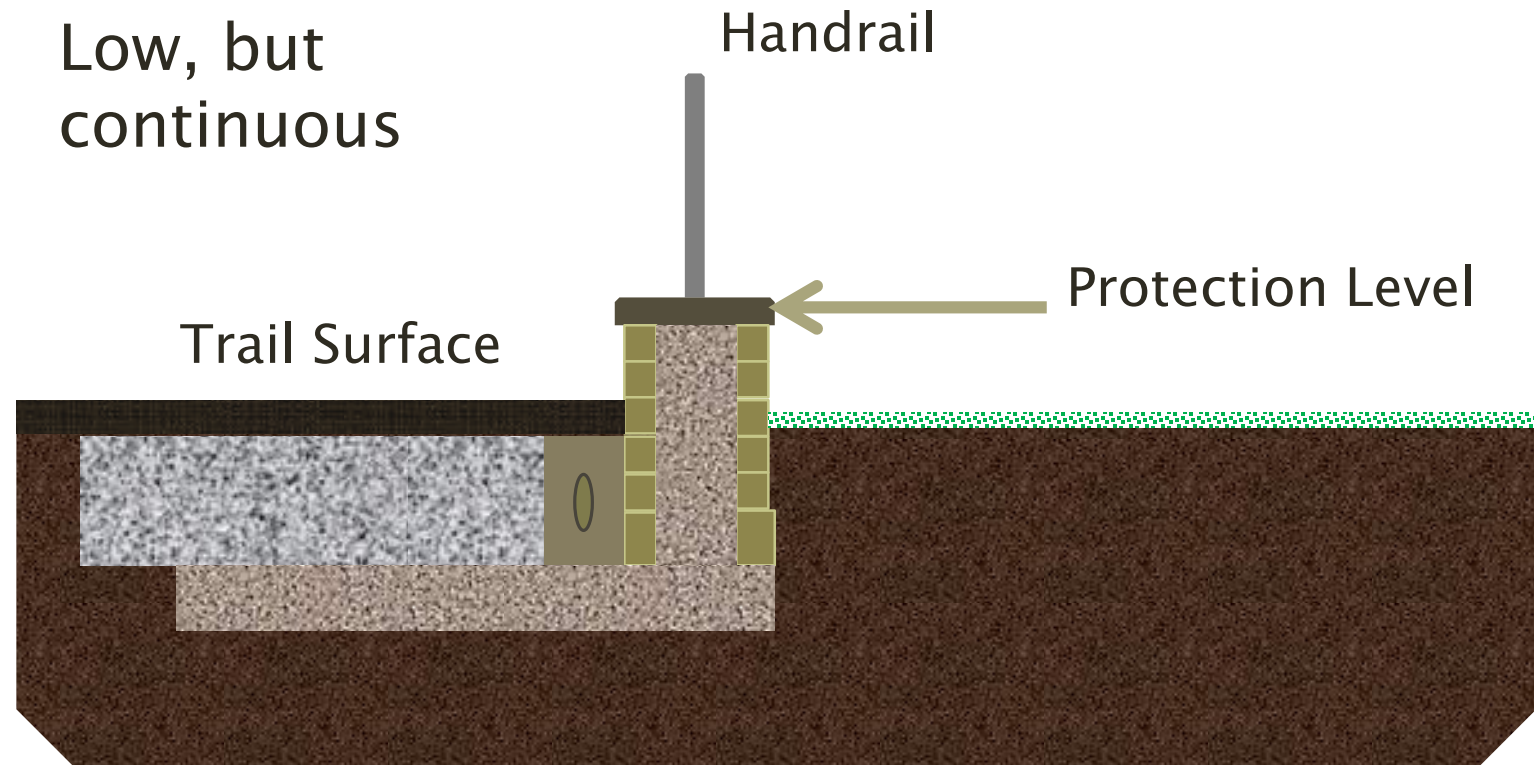
REDUCE VULNERABILITY



IMPROVE MOBILITY

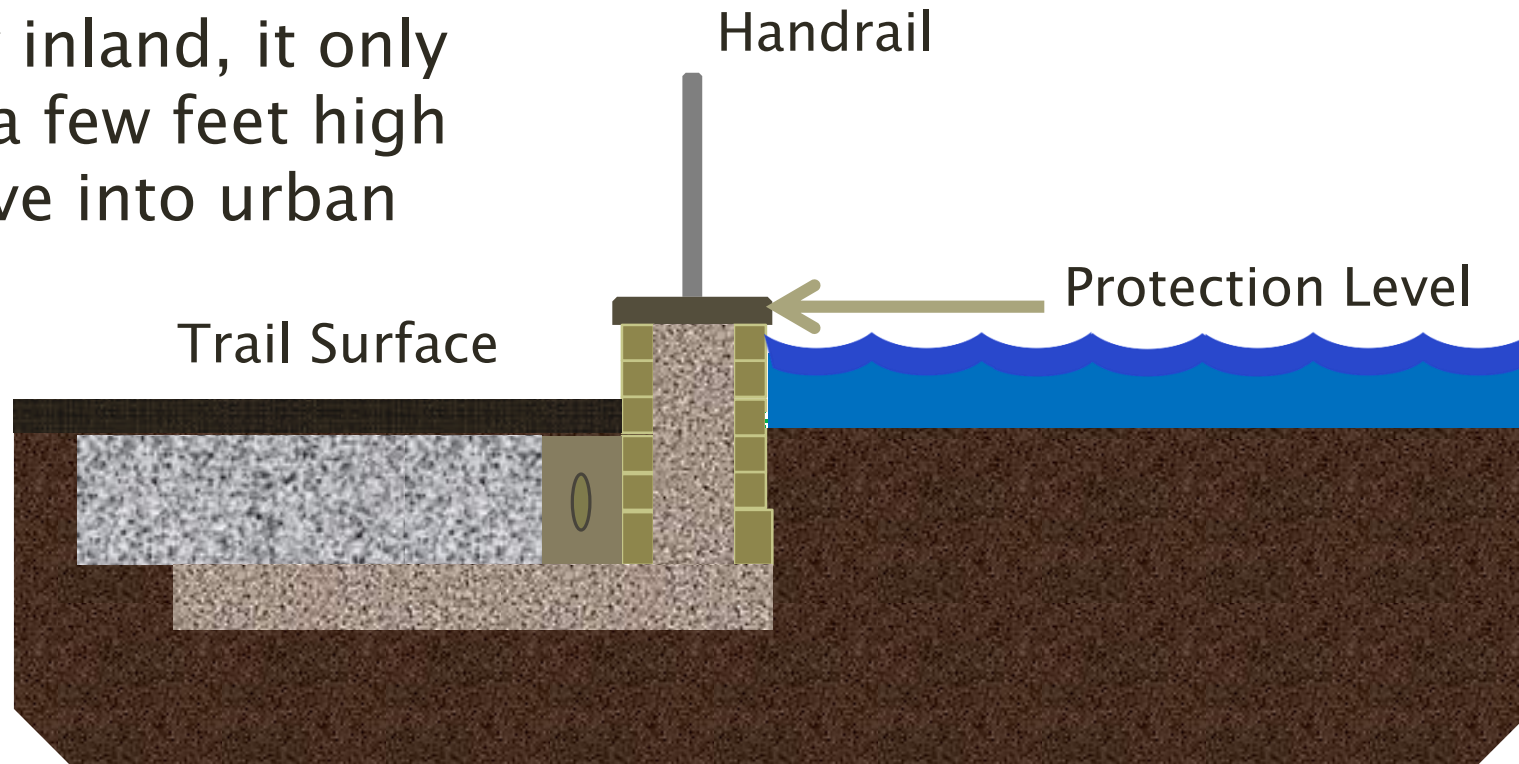


LOW IMPACT TYPICAL SECTION



LOW IMPACT TYPICAL SECTION

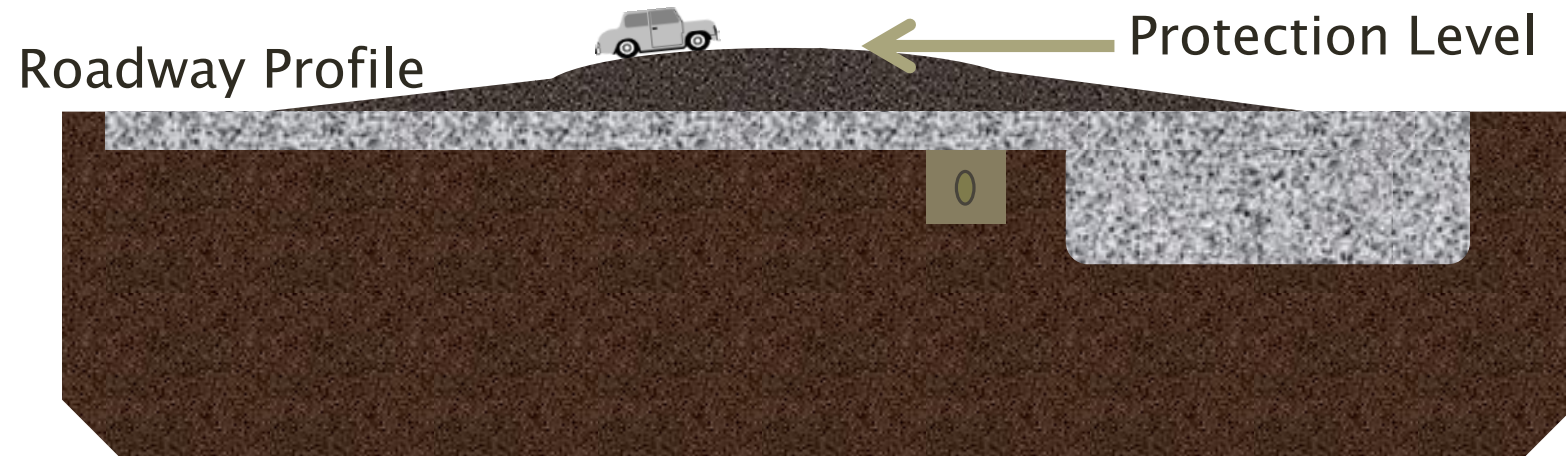
Being mostly inland, it only needs to be a few feet high and can weave into urban fabric



COMPARABLE IN SCALE TO:

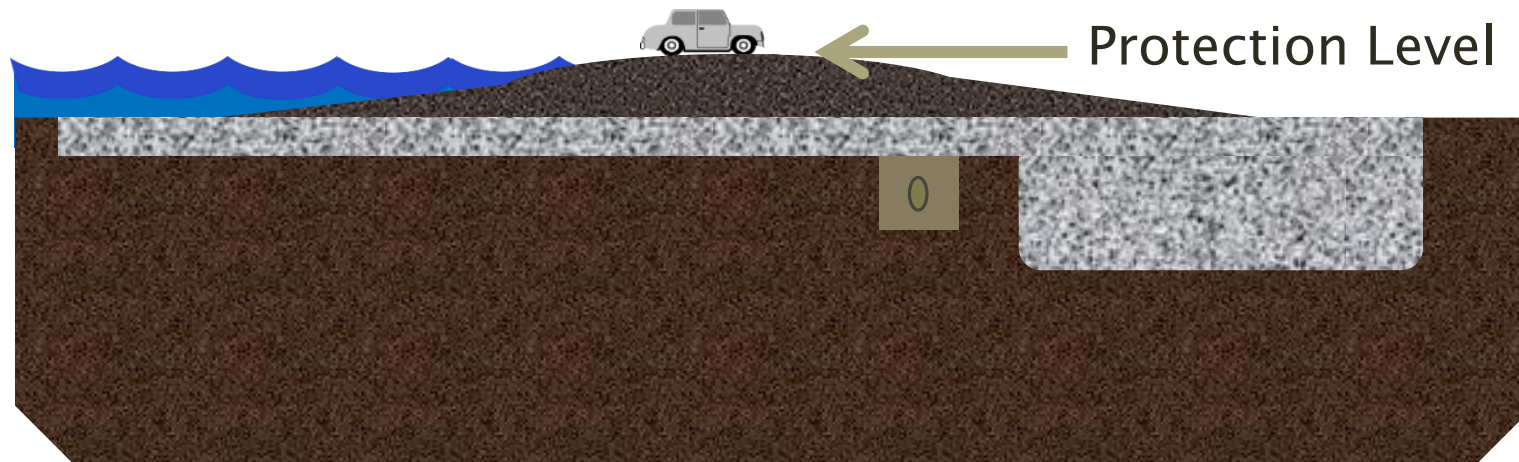


CROSS STREET TYPICAL SECTION

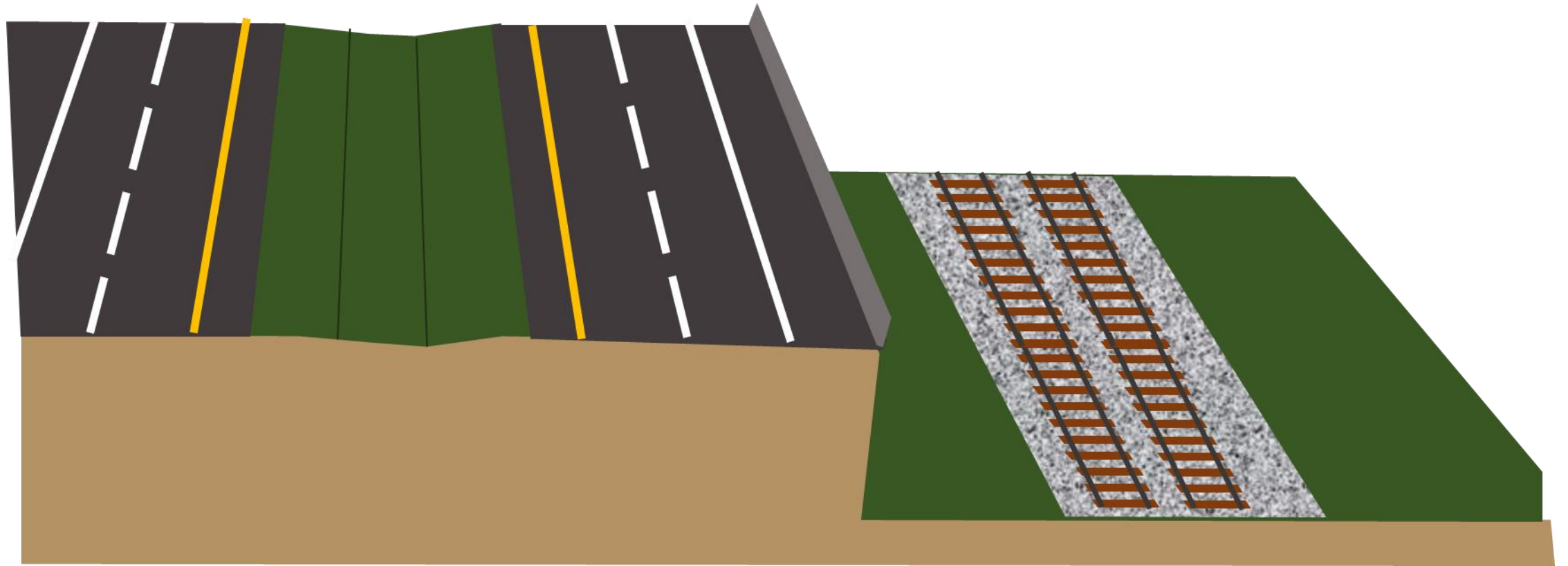


CROSS STREET TYPICAL SECTION

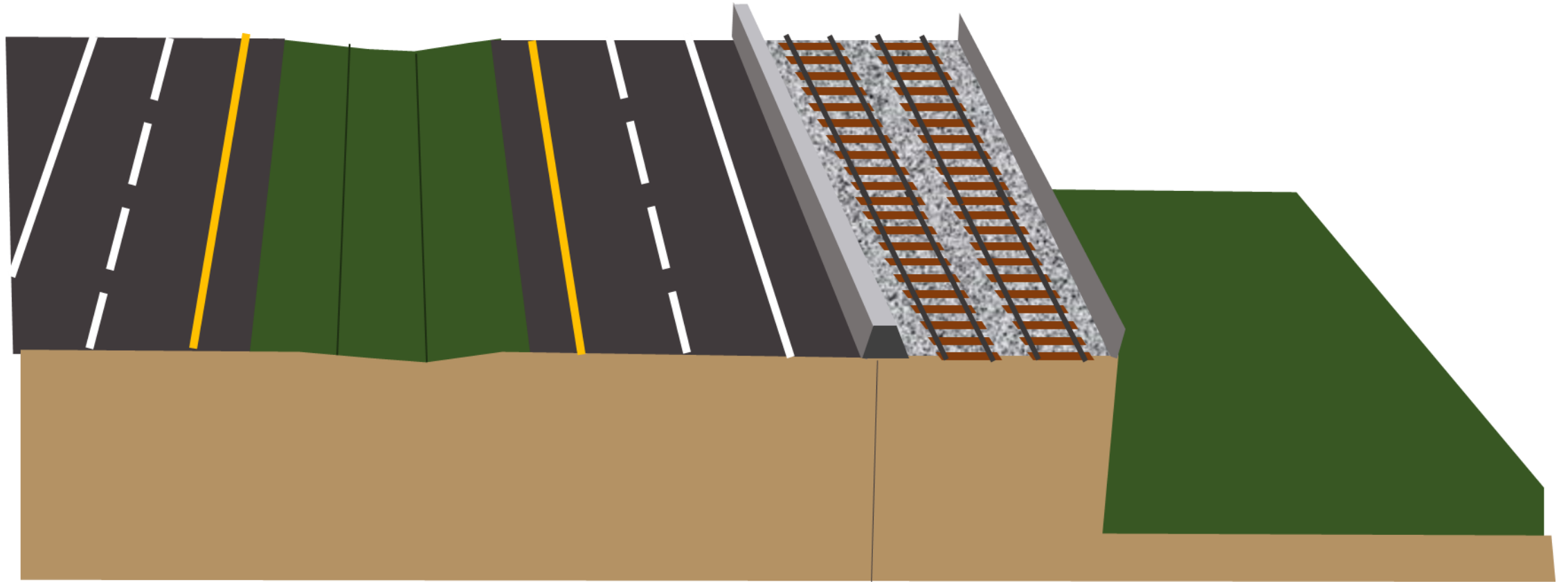
Slightly raised grade,
like a gentle hill.



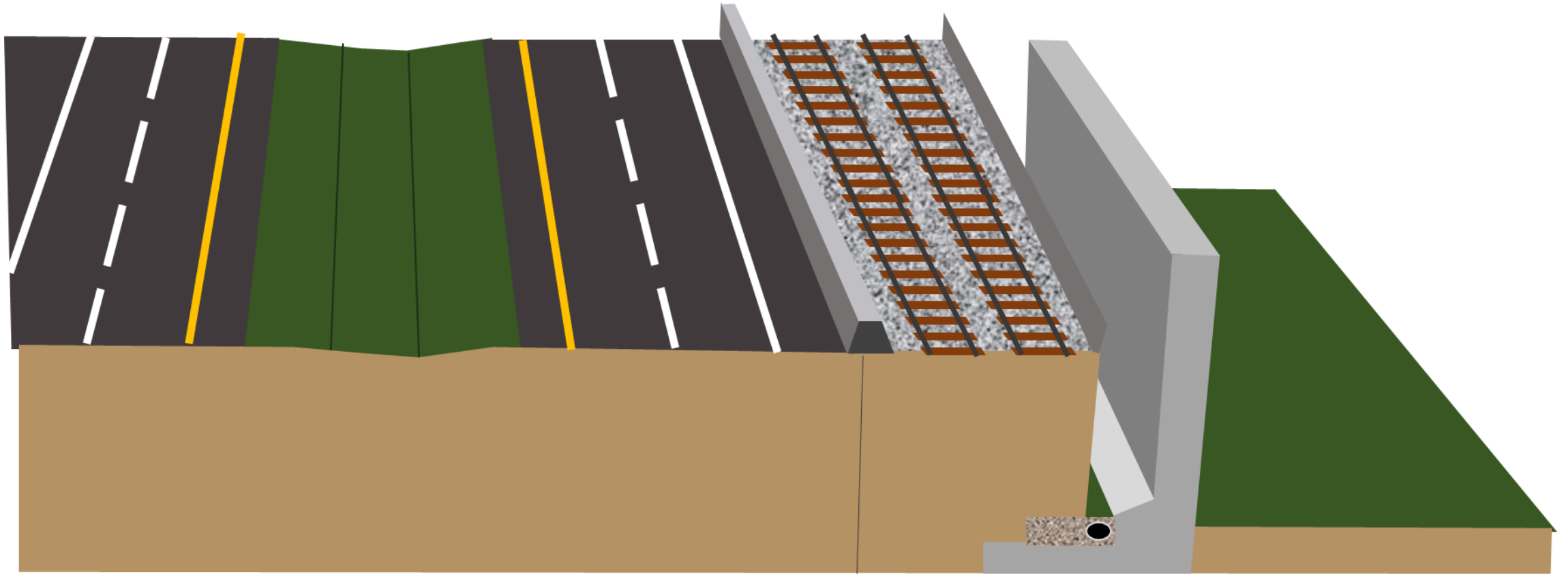
LEVERAGE CLEARANCES NEAR COAST



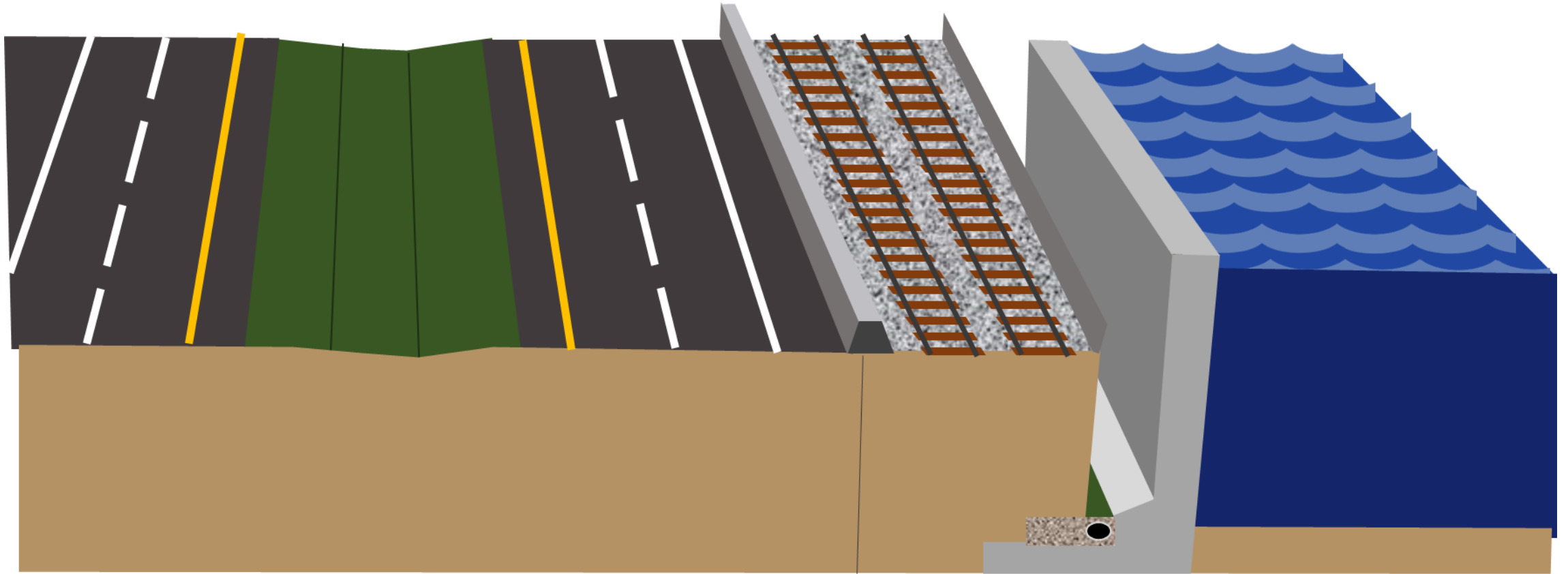
ADD COMMUTER RAIL



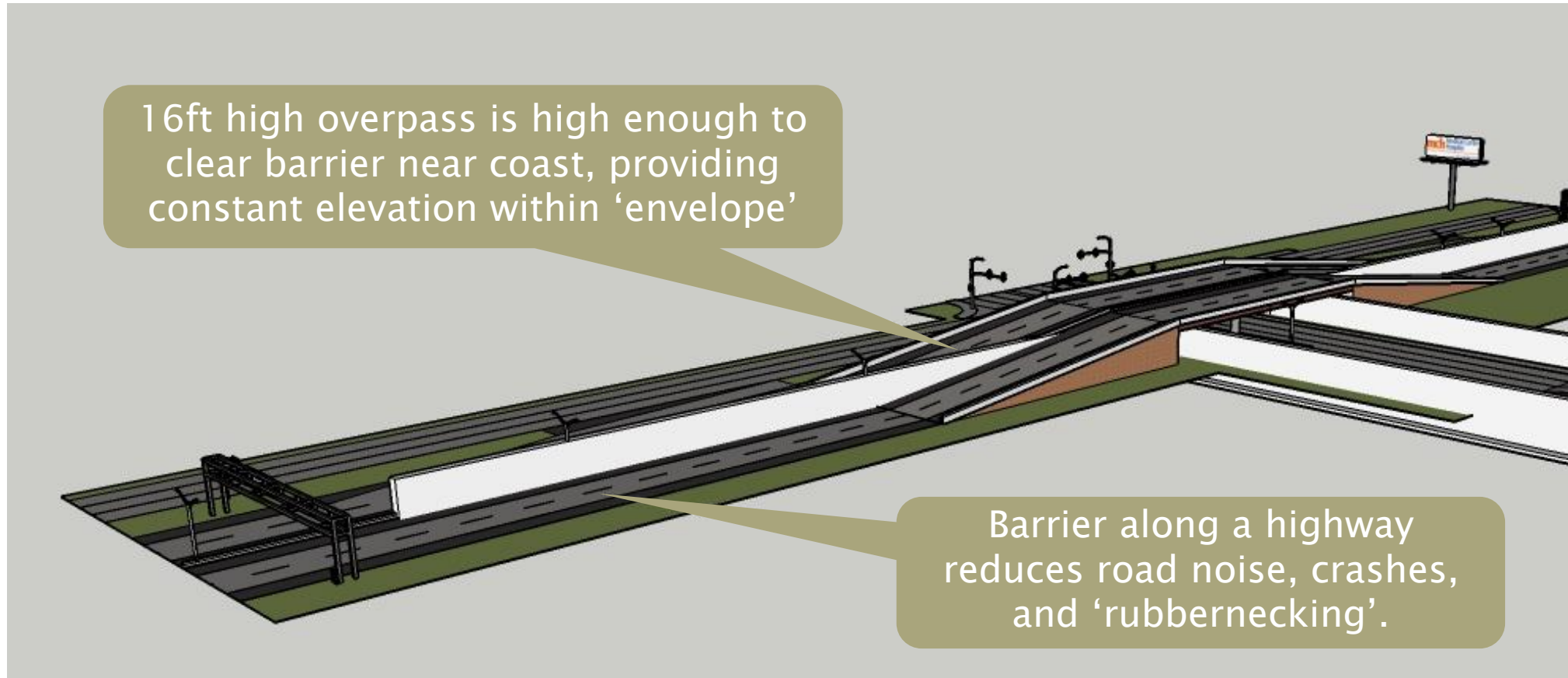
ADD BARRIER



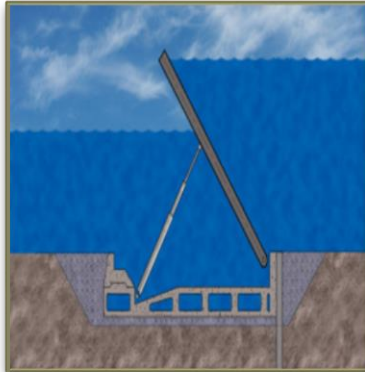
GET PROTECTED FROM SURGE



EXISTING RIGHTS OF WAY LEVERAGED



THE COSTS



\$190 Million
Dynamic
Control Gates



\$3 Million/
Structure
Drainage Outfall
Modifications



\$2.7 Million/
Mile
Roadway Re-
grading

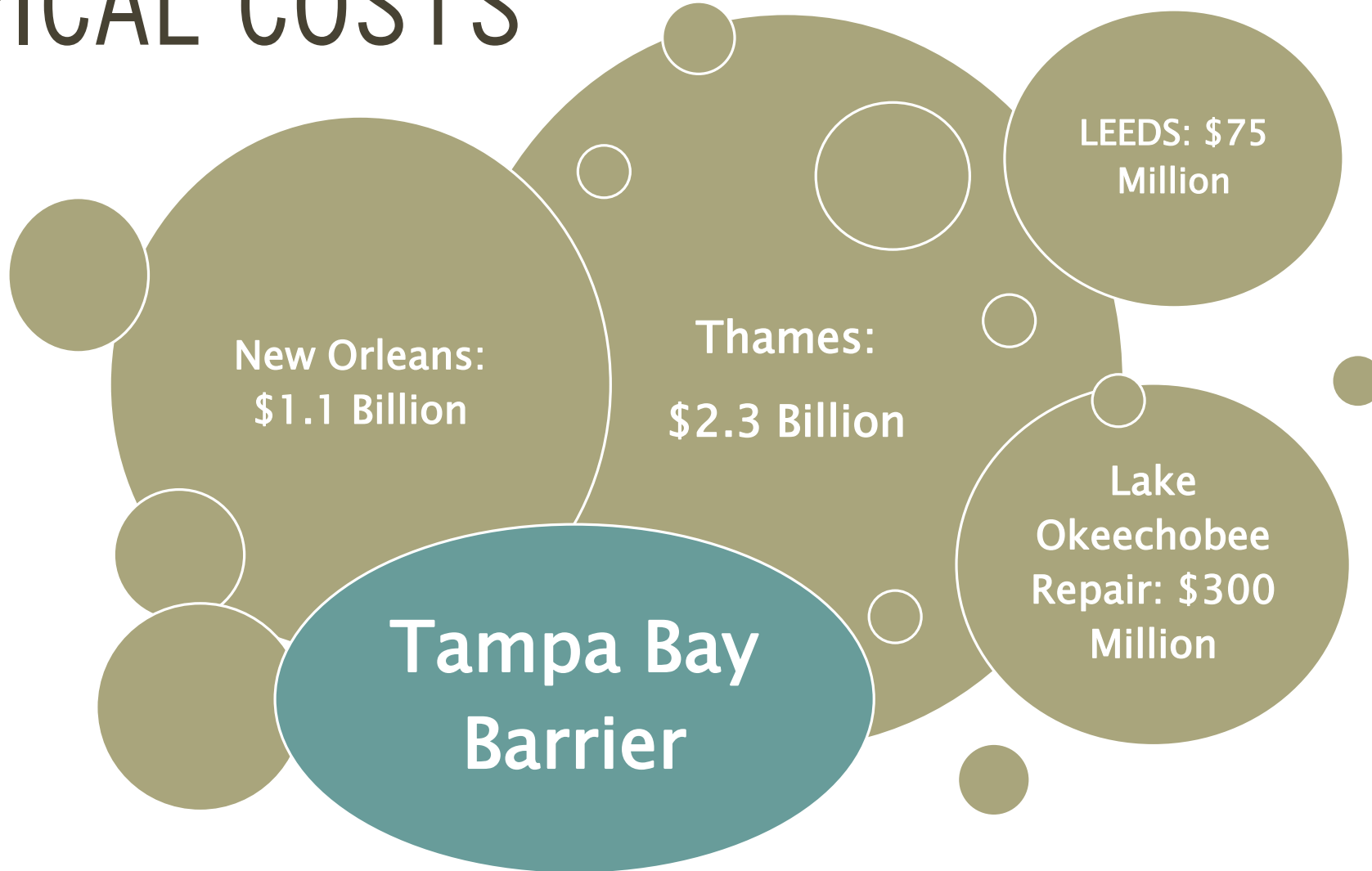


\$150 Million/
Interchange
Interchange
Reconstruction



\$60/ SF
Noise Walls

TYPICAL COSTS



COSTS ARE LOCALLY ACHIEVABLE

