

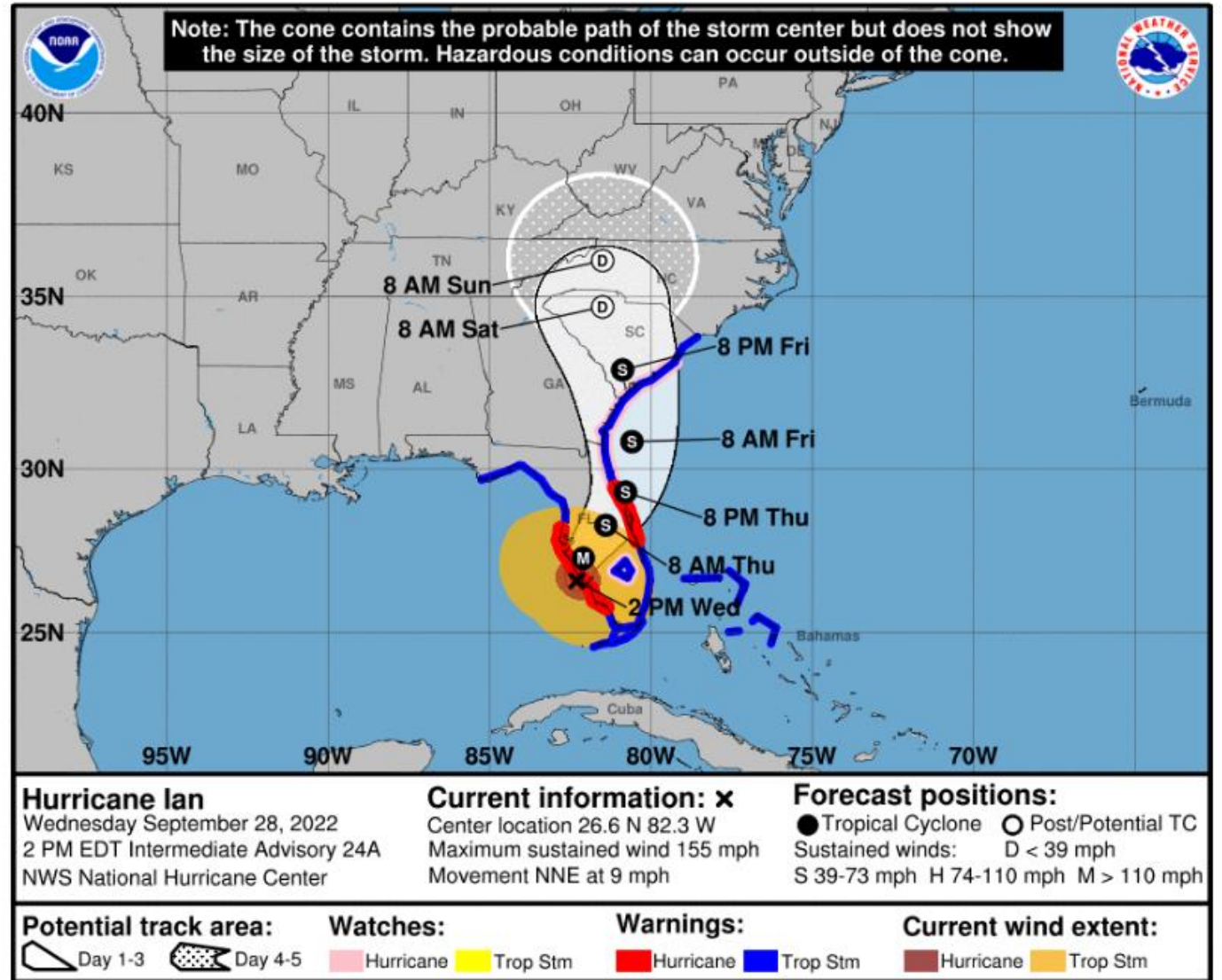
# SANIBEL CAUSEWAY

Hurricane Ian Damage ~ Response ~ Restoration

# HURRICANE IAN CATEGORY 4

Wednesday, September 28, 2022

Landfall: Cayo Costa





Complete Washout Areas

End Project

Begin Project

Fort Myers

Pipe Crossings Failure

Punta Rassa

San Carlos Bay

Sanibel

KINZIE ISLAND

McGregor Blvd

Causeway Blvd

Periwinkle Way

Periwinkle Way

Sanibel

Long Beach Blvd

E. G. White Blvd

McGregor Blvd

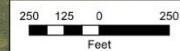
Island A (1)

Bridge A

Bridge B

Fort Myers

# SANIBEL CAUSEWAY BEFORE HURRICANE IAN



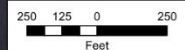
Island A (1)

Bridge A

Bridge B

Fort Myers

# SANIBEL CAUSEWAY AFTER HURRICANE IAN





Bridge B

Island B (2)

Bridge C

Sanibel Island

# SANIBEL CAUSEWAY BEFORE HURRICANE IAN



Bridge B

Island B (2)

Bridge C

# SANIBEL CAUSEWAY AFTER HURRICANE IAN

Sanibel Island



DAY 1

Wednesday, October 5, 2022

Mobilization





























DAY 7

Tuesday, October 11, 2022

Convoy Crossing







DAY 15

Wednesday, October 19, 2022  
Temporary Roadway Open to Traffic

Over 100 crew per day Over  
36,000 workforce hours  
Work Schedule - 24/7 for 15 Days

- Over 70 pieces of heavy equipment operating daily
- 4 Barges
- 7 Cranes
- 2 Dredges
- 5 Boats







## Materials Used

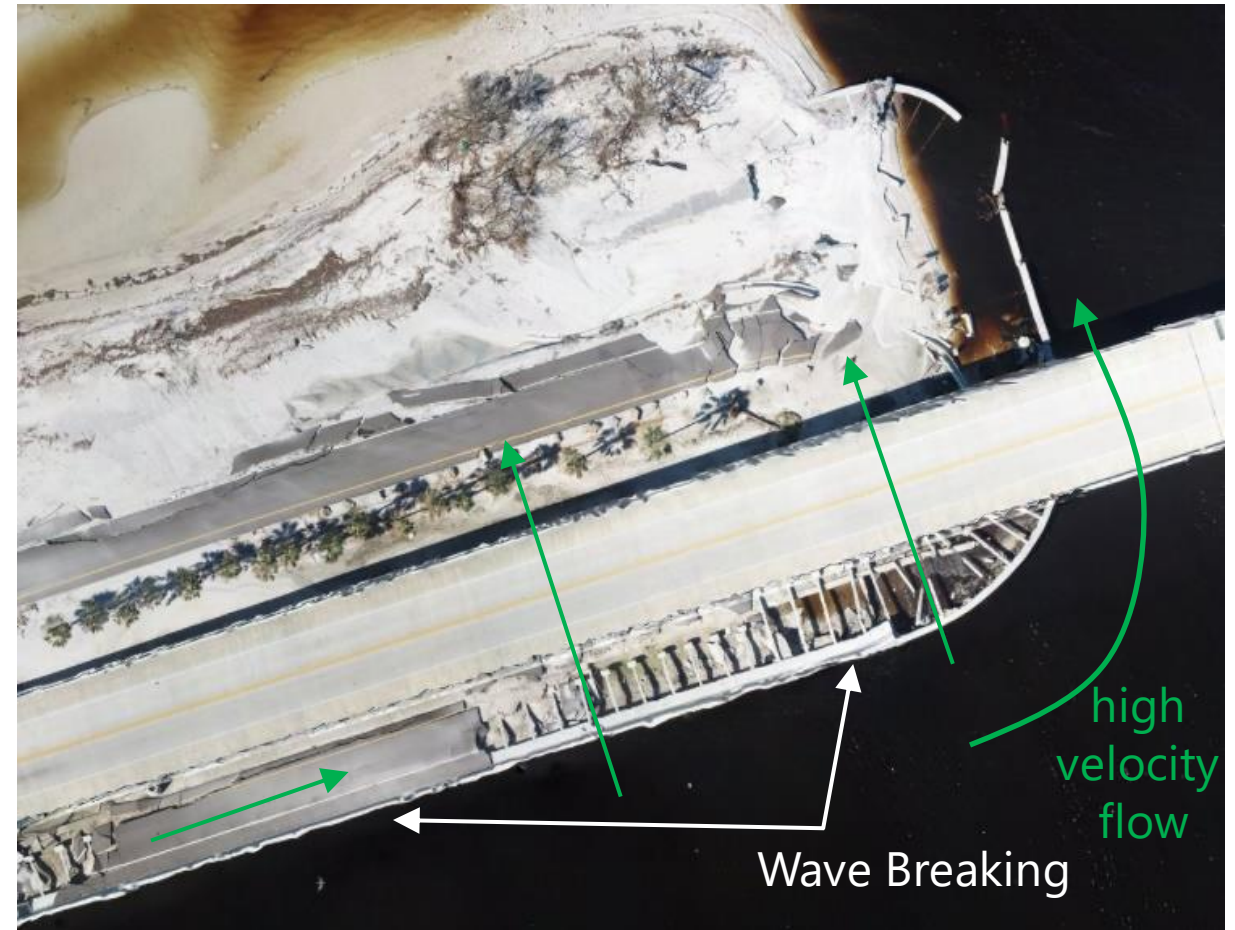
8,200 Loads of Fill Dirt

2,400 Loads of Rock

4,000 Tons of Asphalt

# WHAT HAPPENED

Waves breaking on seawalls eroded unprotected upland areas  
Tiebacks exposed at seawalls and missing/inadequate toe protection resulted in collapse

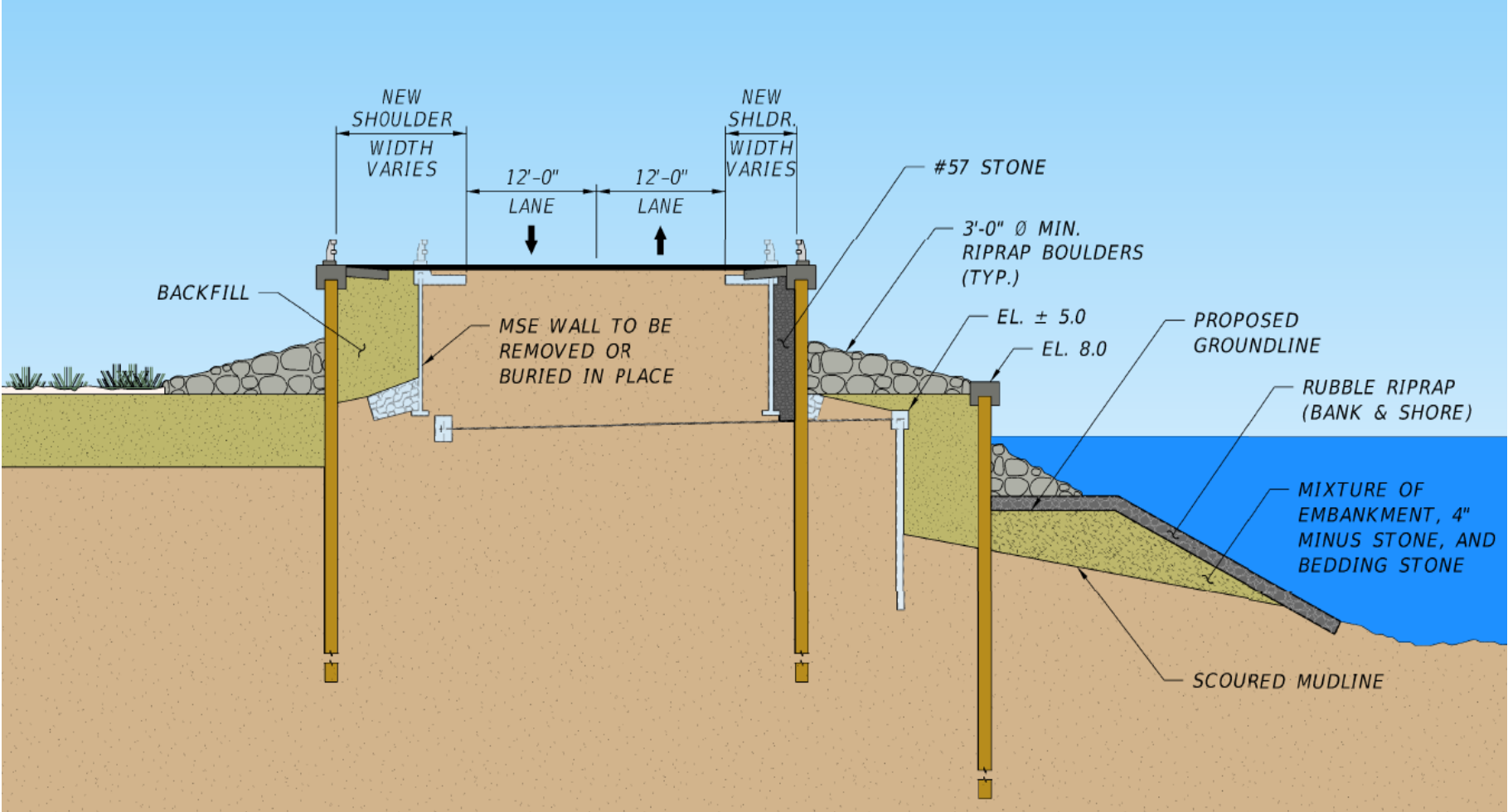


# WHAT HAPPENED

Inadequate protection at MSE walls  
Protection moved by waves & currents  
Undermining of MSE walls resulted in collapse

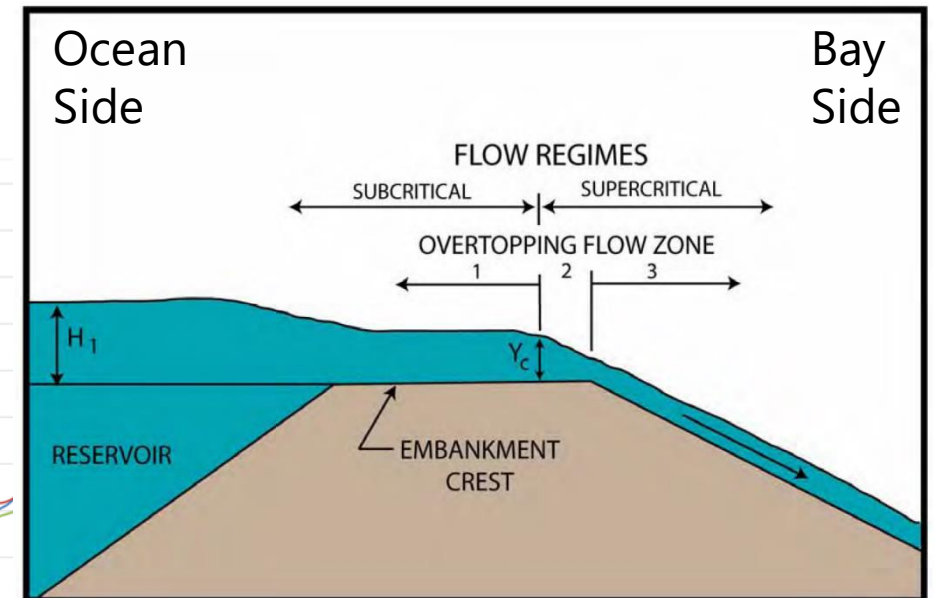
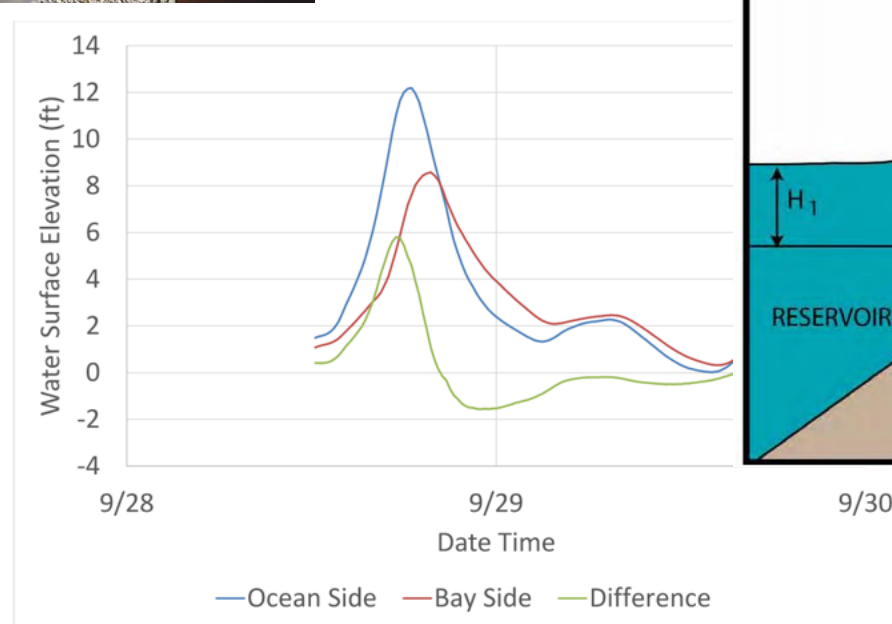


# WHAT'S NEXT

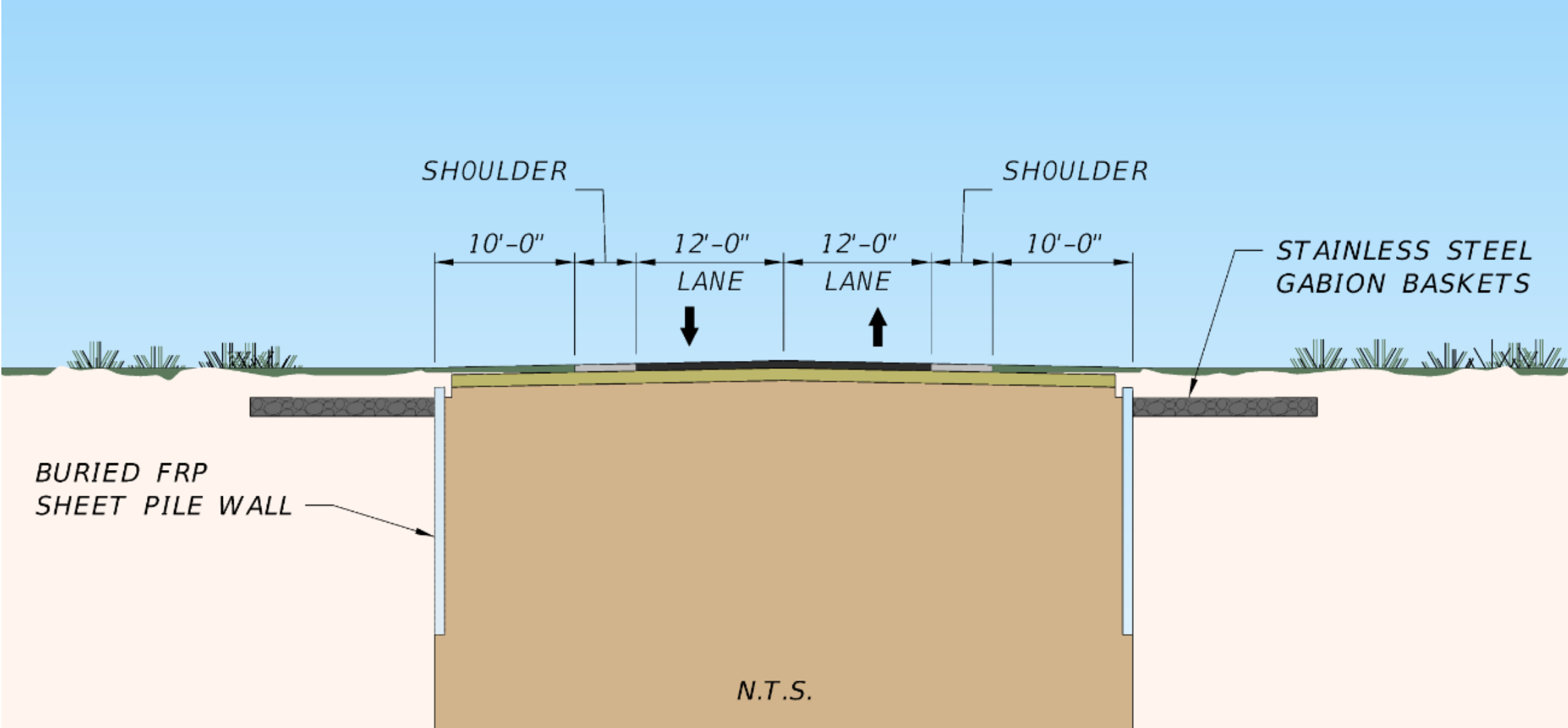


# WHAT HAPPENED

- High flows caused erosion on back side of pavement
- When pavement completely breached the underlying base was washed away by currents and waves causing the new "channel cuts" in the islands



# WHAT'S NEXT



# CURRENT WORK ACTIVITIES

