



# RECENT MAINTENANCE ACTIVITIES – SLSMC

## The Great Lakes St. Lawrence Seaway System

### Seaway Profile



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# Realignment of valve level arm After first project – 1995 (3 first valves in the lock) Diagnostic for next project 2010

Before



After

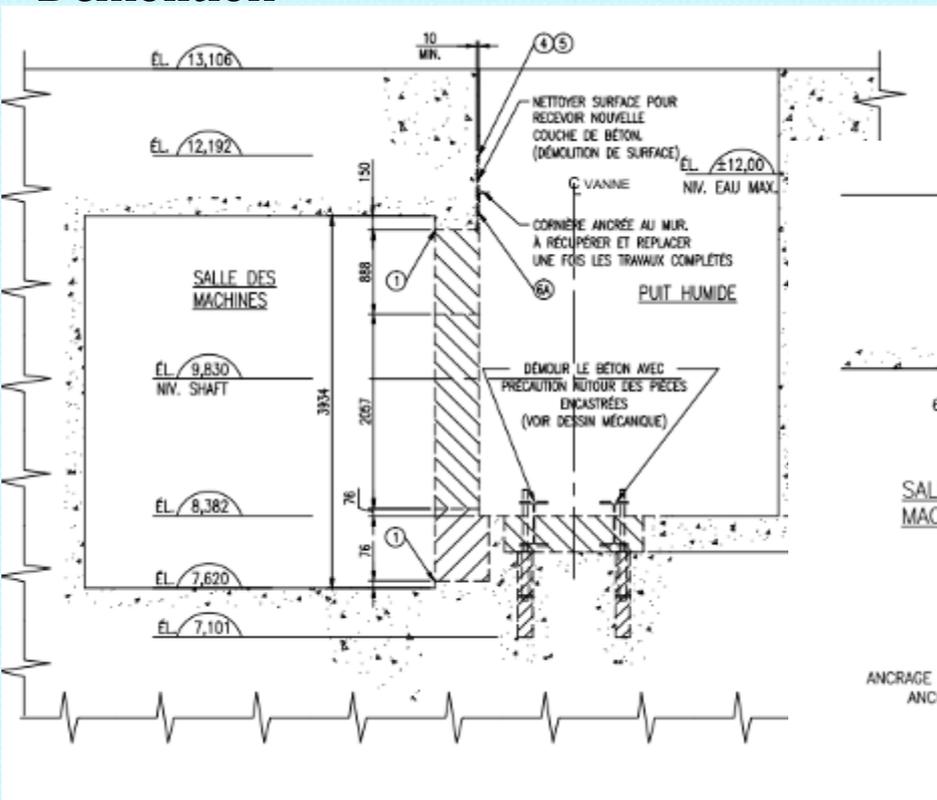


Water infiltration

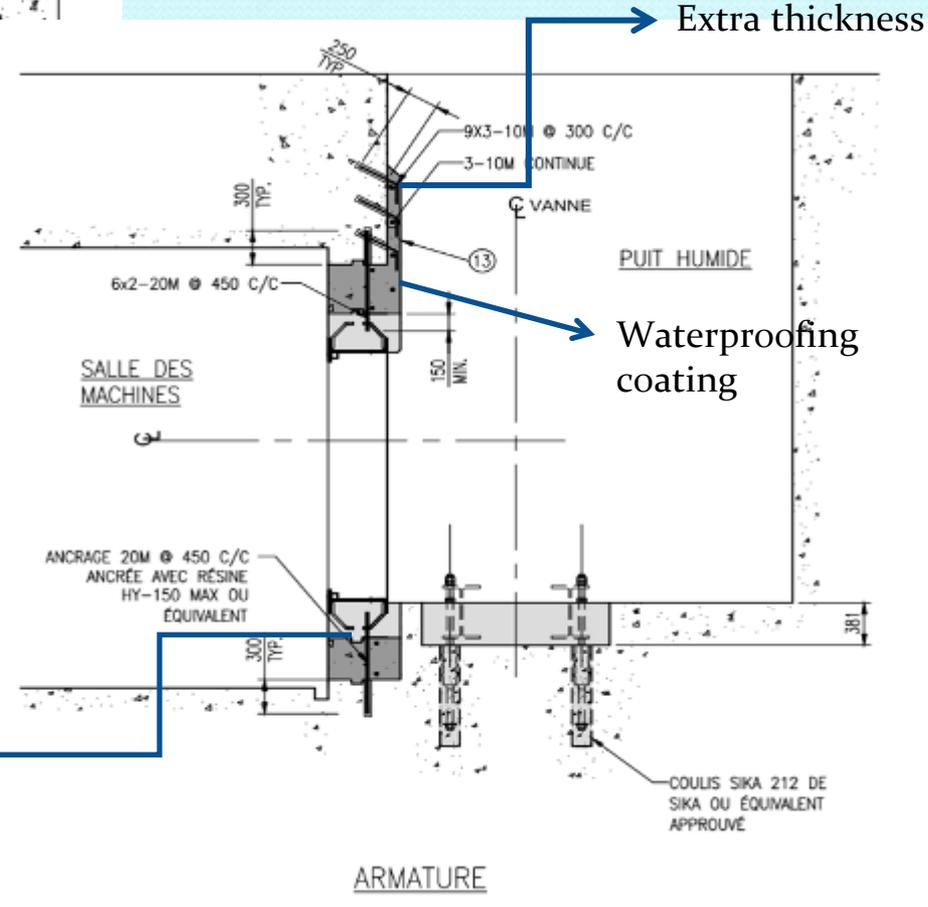


# New approach

## Demolition



## Reconstruction



Extra thickness

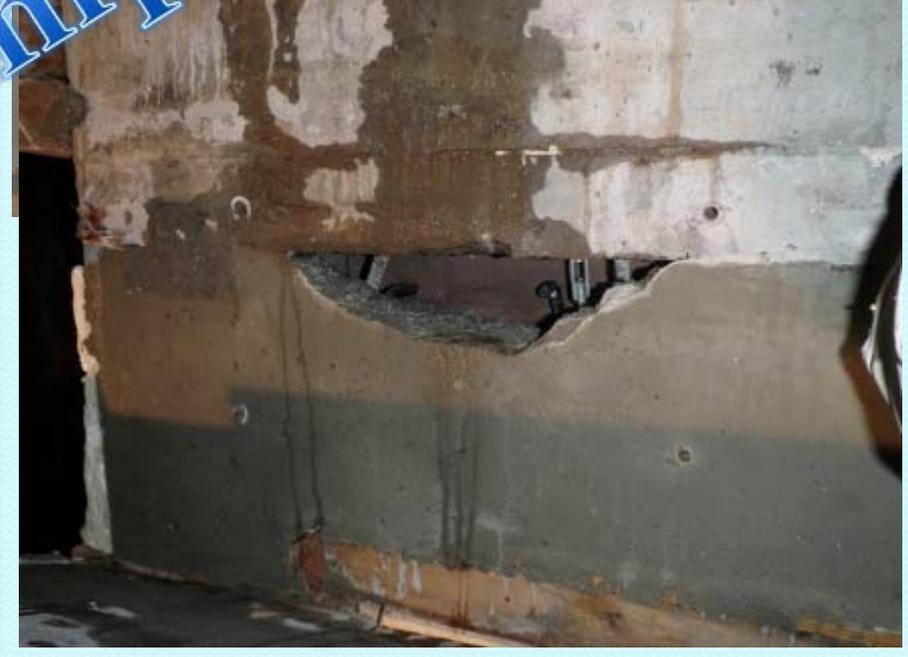
Waterproofing coating

Mastix sealing





# New approach Execution (winter 2011)



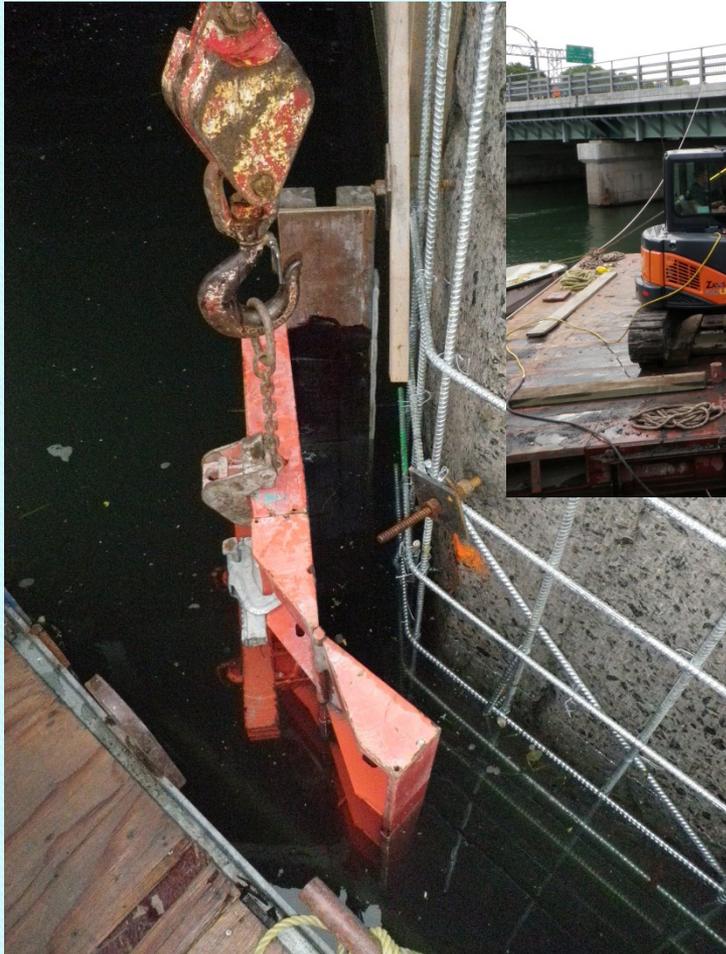


# Lessons learned





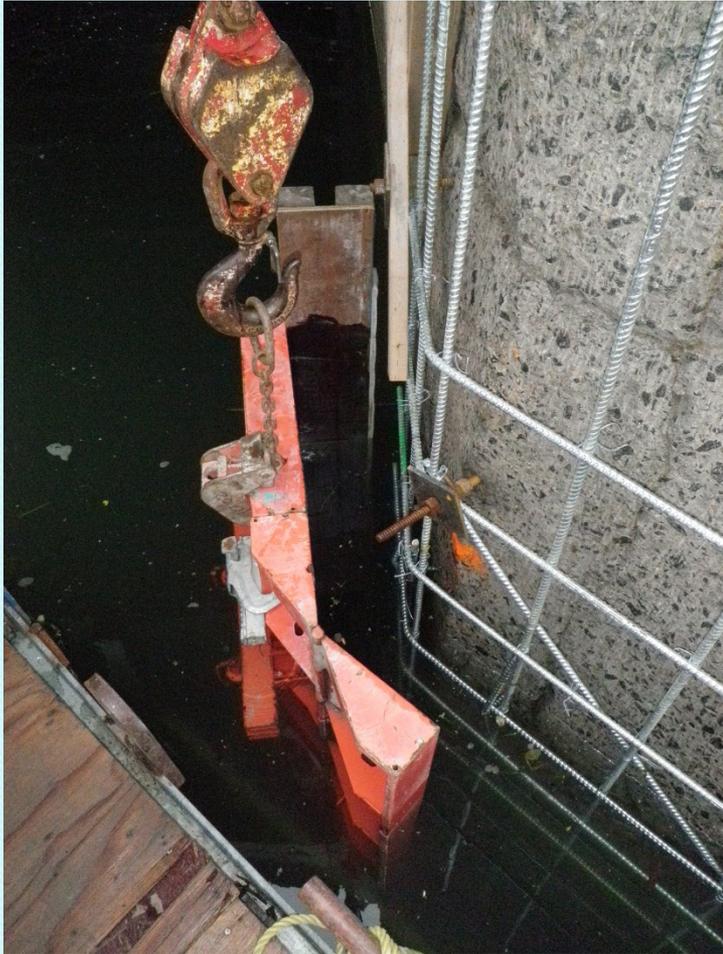
# Underwater works





# Recent Maintenance Activities on Seaway

## Underwater Concrete Repairs





# Lessons Learned

Extra thickness



Extended time  
realisation



# Partial Demolition of Two Monolithes - January 2012

Demolition using rotomilling method  
rate: 2 m<sup>2</sup>/hour for the removal of 350 mm





# On Going Projects

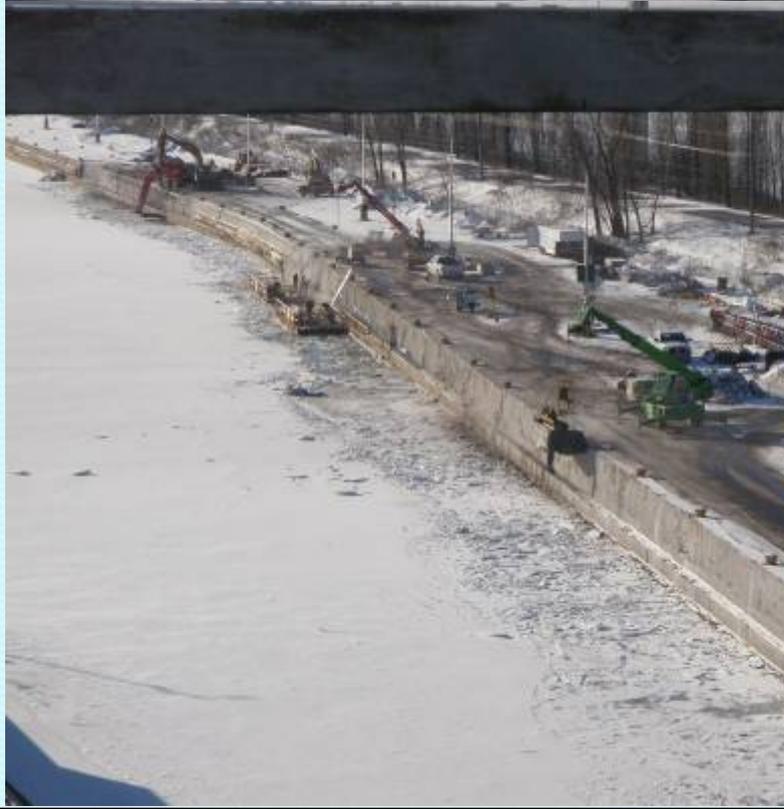
## January 2013



### Hands Free Mooring



# On going projects





# On Going Projects Cont.





# WINTER RIP RAP





# Futurs Projets

## Replace Steel Grating on Movable Bridge over lock 4



# Thank you!

## Questions?

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«The higher the goals, the higher the performance»

*Todd Veldhuizen*