ADVANTAGE MARINE

PIPE & BEAM COMPOSITE REPAIR

Project: 3 pipes & 1 set of I beam composite repair

Location: Port Dickson

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PROJECT WORKSCOPE

- Advantage Marine Service (M) Sdn Bhd was contracted to do composite repair for 3 pipes & 1 set of I beam at the HRC Jetty. Total manhours of 1584hrs for this project without any HSE issue.
- Pipe Wrapping Repair includes surface grinding, apply Resimac 101 and perform wrapping. With the commitment, patient, encouragement from the management team had made the repair job a successful project and ahead of the planned schedule

- Project Start Date: 15th May 2020
- Project Completion Date: 1st June 2020
- Total of Manpower: 6pax including, 2x Engineer, 1x Supervisor, 1x Inspector, 2xFitter involved in the project.

TASK 1

TWO 12” PIPES & ONE 8” PIPE COMPOSITE REPAIR

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Pipe Condition (Before)

Corrosion on both of the 12” pipes

Both pipes required to be wrapped at 5m and 2.4m length

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Pipe Condition (In Progress)

Surface preparation on corrosion area

Applying metal putty Resimac 101 on corroded area

Wrapped the pipe at a 5m length with glass tape (6 layers) to further seal the pipe

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Pipe Condition (After)

Both 12” pipes & 8” pipe successfully coated with Resimac 101 and wrapped using glass tape (6 layer) at 5m & 2.4m length as per SOW

The pipe composite is then painted grey as per the original colour

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TASK 2
SET OF I – BEAM COMPOSITE REPAIR

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I - Beam Condition (Before)

Major corrosions on the I beam

Pitted & corroded areas on the beam are mainly located under the pipes

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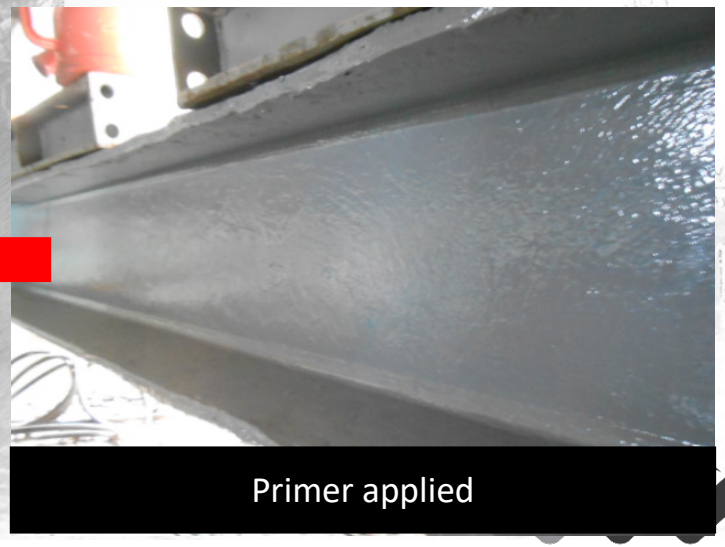
I - Beam Condition (In-Progress)

Surface prep. on the corroded area

Apply 10mm thick metal plate on the I beam to strengthen the I beam

Beam condition after patch plate & metal putty build up (Resimac 101)



Primer applied

The set of I beam is then painted as per its original blue colour

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I - Beam Condition (After)

Set of I beam top & bottom successfully patched with metal plate & build up by metal epoxy (Resimac 101)

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THE END

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