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duratiNet
1ST Transnational Workshop
Lisboa- LNEC, 19th February 2009

Environment Pollution - Barra - P12

Structure: Barra Bridge
Type: Atmosphere
Exposure Type: Marine
Exposure Zone: Atmosphere

Documents attached:
• No documents attached

Images attached:
• Airborne pollution (P12).

10 records

Search:

Report v export v Select all Show / hide columns

Start date	local	Chloride deposition rate	Psalinity - Category
May 1, 2006	Near P12 - height 2.5 m	67.2	S2
July 1, 2006	Near P12 - height 2.5 m	52.2	S1
Dec. 1, 2006	Near P12 - height 2.5 m	44.3	S1
Feb. 1, 2007	Near P12 - height 2.5 m	210.9	S2

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ENVIRONMENT

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Durati administration

Home - Material - Materials

Select Material to change

11 Materials

Action	Class	Natural Type
<input type="checkbox"/> B304b	B30	Concrete
<input type="checkbox"/> A1600/1800wcb	A1600/1800	Steel
<input type="checkbox"/> A37wcb	A37	Steel
<input type="checkbox"/> A52wcb	A52	Steel
<input type="checkbox"/> A1600/1800wcb	A1600/1800	Steel
<input type="checkbox"/> A400wcb	A400	Steel
<input type="checkbox"/> B35wcb	B35	Concrete
<input type="checkbox"/> S7	(None)	Steel
<input type="checkbox"/> CF	(None)	Concrete
<input type="checkbox"/> B30wcb	B30	Concrete
<input type="checkbox"/> B25wcb	B25	Concrete

By type of material

all

Concrete

Steel

MATERIAL

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Ereira Bridge, historical data - Beam West (BW)

Inspection
April 6, 2006 Condition and safety evaluation of Ereira bridge Rebar corrosion and deterioration evaluation.

	FWest	FEast
Visual examination	00	-
Crack depth	-	-
Chloride profile	-	00
Electrochemical	00	00
Carbonation depth	00	00

Ereira Bridge, historical data - FWest

April 6, 2006 Inspection

Structural Element: FWest
Method used: Visual examination
Material: no available data
Documents: no available data

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Method related data
2 records

Defects type	Deterioration
Deterioration	Concrete delamination with loss of steel bond

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Other Methods Applied
Electrochemical Corrosion depth

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Barra Bridge, historical data - R

Dec. 19, 2008 Monitoring

Structural Element: R
Method used: Electrochemical
Material: no available data
Documents: no available data

Method related data
21 records

Date	Corrosion potential Ecorr mV
25-07-2008	-610.97
25-07-2008	-611.89
27-07-2008	-611.06
28-07-2008	-610.98
29-07-2008	-605.97
30-07-2008	-600.41
31-07-2008	-595.46
01-08-2008	-591.16
02-08-2008	-585.61
03-08-2008	-585.09
04-08-2008	-586.19
05-08-2008	-586.16
06-08-2008	-593.8
07-08-2008	-597.79
08-08-2008	-595.94
09-08-2008	-595.49
10-08-2008	-595.31
11-08-2008	-598.45
12-08-2008	-600.97
13-08-2008	-593.19

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