



Raheenakeeran Bridge No. 2

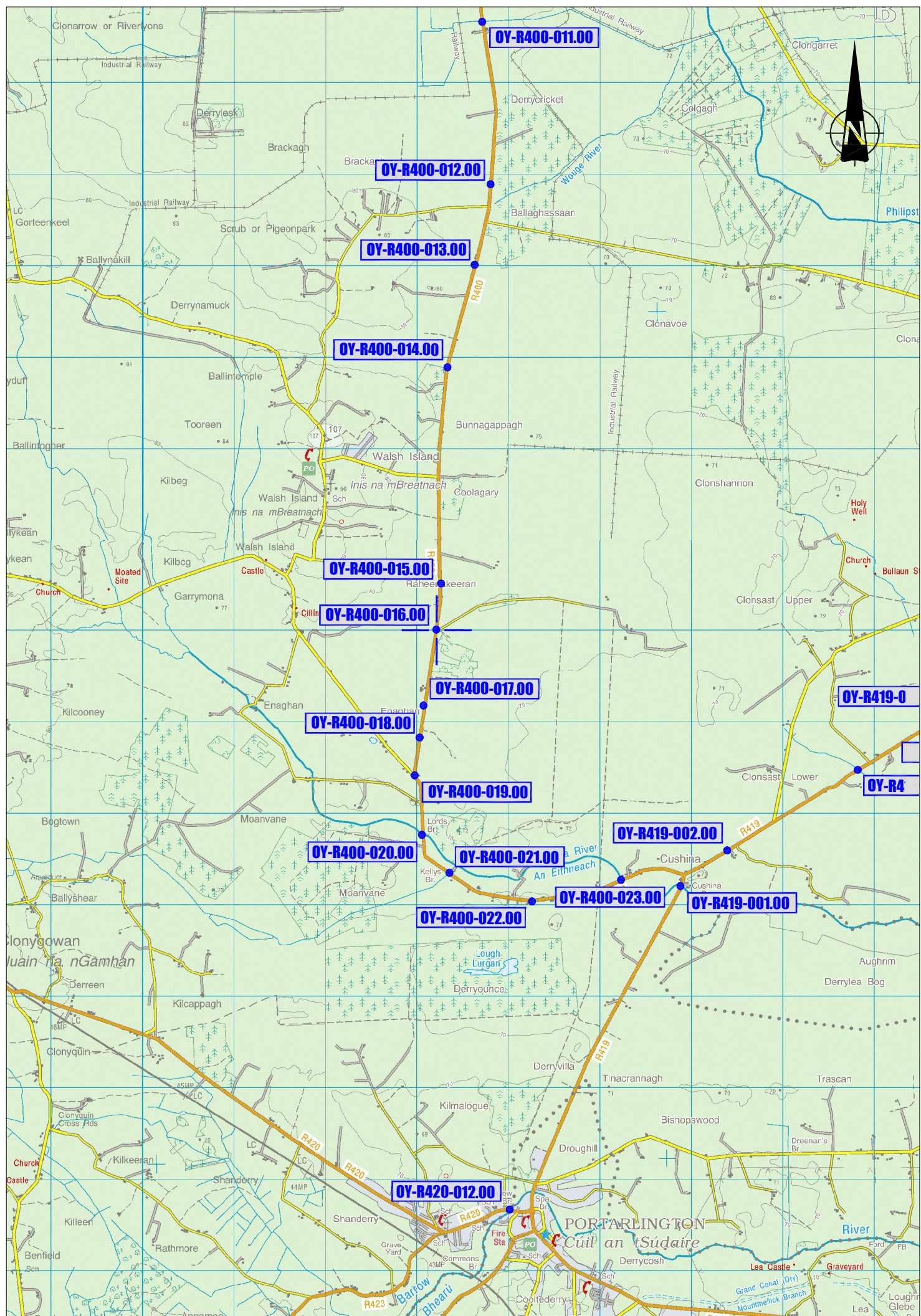
ID: OY-R400-016.00

Inventory and Principal Inspection Report



Author	Ronan Waters	
Checked	Damian Hanley	

DATE: 23 FEBRUARY 2015



Maintaining Agent.....:	26	OY - Offaly
Road.....:	Mullingar, County Westmeath - Cushina, County Offaly	
Side of road.....:		
Region.....:	2	Leinster
Struct. reg. no.....:	887	
Year of construction.....:		
Year of reconstruction.....:		
Primary passage Overbridge/Underbridge:	U	
Dir. of chainage on primary road.....:	N	
Access equipment needed.....:	0	Nothing
Data collected: Date	13 Jan	2015
Inspector Initials....:	RW	
Checker Initials.....:	DPH	

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Geographical position:

Easting: 253217

Northing: 219012

Geometry:

Number of spans.....:	1
Min span length.....(m):	1.12
Max span length.....(m):	1.12
Overall length.....(m):	1.12
Width out-to-out.....(m):	9.05
Width of median.....(m):	0.00
Width of footway left.....(m):	0.00
Width of footway right....(m):	0.00
Width of carriageway.....(m):	4.70
Width kerb-to-kerb.....(m):	4.70
Width of approach.....(m):	4.70
Area.....(m2):	10.14
Minimum Parapet Height....(m):	0.75
Width of Soft Verge Left..(m):	1.60
Width of Soft Verge Right.(m):	2.3
Approach Skew 1.....(deg):	0.00
Approach Skew 2.....(deg):	0.00
Bridge curved.....(Y/N):	N
Skew.....(deg):	30

Span Lengths:

Span 1...(m): 1.15	Span 6...(m):	Span 11...(m):
Span 2...(m):	Span 7...(m):	Span 12...(m):
Span 3...(m):	Span 8...(m):	Span 13...(m):
Span 4...(m):	Span 9...(m):	Span 14...(m):
Span 5...(m):	Span 10...(m):	

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Standard design(Y/N):	Y	
Design of cross section.....:	10	Slab
Design of elevation.....:	10	Simple span, cons. cross sect.
Material of primary members.....:	20	In situ Reinforced Concrete

Superstructure, secondary type (if applicable):

Standard design(Y/N):
Design of cross section.....:
Design of elevation.....:
Material of primary members.....:

Superstructure, tertiary type (if applicable):

Standard design(Y/N):
Design of cross section.....:
Design of elevation.....:
Material of primary members.....:

Substructure:

Abutment: Type.....:	10	Abutm. wall, integ. wing walls
Material.....:	20	Mass concrete
Foundation.....:	92	Unknown
Pier: Type.....:	91	Not applicable
Material.....:	91	Not applicable
Foundation.....:	91	Not applicable

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Type of parapet.....:	30	Concrete cast in situ
Type of safety barrier.....:	0	No guard rail
Type of wearing surface.....:	20	Bituminous surface dressing
Type of expansion joint.....:	91	Not applicable
Type of fixed bearings on support....:	91	Not applicable
Type of free bearings on support....:	91	Not applicable
Type of fixed bearings on girders....:	91	Not applicable
Type of free bearings on girders....:	91	Not applicable

Obstacle:

Type of passage.....:	31	River
Passage id.....:		River
Passage name.....:		River
Road side.....:		

Vertical Clearance:

Primary passage.....(m):	L:	LM:	RM:	R:
Secondary passage.....(m):	L: 1.45	LM:	RM:	R:

Miscellaneous:

Design Load.....:		
Load Distribution.....:		
Technical Standards.....:		
Assessed Capacity Normal.....:		
Assessed Capacity Abnormal.....:		
Weight Restriction.....:		
Owner:	24	Offaly County Council
Maintaining Agent.....:	24	Offaly County Council
Inspection Consultant.....:	52	Ryan Hanley/WSP
Designer/Consultant.....:	92	Unknown
Technical installations.....:	4	Water supply pipeline

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Remarks:

This is a concrete single span bridge, abutments, deck, parapet and wing walls. There is a 100mm dia. watermain penetrating the abutments under the deck. there is Eircom overhead East. There are no yellow line road markings at this location.

There is evidence of historic settlement which is ongoing.

Chronological Overview

Date	Activity	1 Br	2 Ex	3 Fo	4 Pa	5 Em	6 Wi	7 Ab	8 Pi	9 Be	10 De	11 Be	12 Ri	13 Ot	14 St
13 Jan 2015	Principal inspection	2			1	1	1	3			1		1		3

Principal Inspection:

Date.....: 13 Jan 2015

Team Leader Name.....: Ronan Waters

Initials.....: RW

Weather.....: Dry

Temperature.....(deg. C): 1

Traffic:Annual Average Daily Traffic.:

Percentage, light vehicles...:

Percentage, heavy vehicles...:

Year for next Principal Inspection...: 2017

Remark:

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Component No.	1	Bridge surface
Resurfacing required.		
Condition/Mainten.	2	/ N



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Component No.	1	Bridge surface
Resurfacing required.		
Condition/Mainten.	2	/ N



NRA

DBA

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Component No.	4	Parapets/Safety barrier
Condition/Mainten.	1 / N	
		

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Component No.	4	Parapets/Safety barrier
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Condition/Mainten.	1 / N
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Component No.	6	Wing Walls/Spandrel Walls/Reta
Condition/Mainten.	1 / N	
		

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Component No.	6	Wing Walls/Spandrel Walls/Reta
Condition/Mainten.	1	/ N



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Component No.	7	Abutments
Underpinning required.		
Condition/Mainten.	3	/ N



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Component No.	7	Abutments
Underpinning required.		
Condition/Mainten.	3	/ N



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Component No.	10	Deck/slab/arch barrel
Condition/Mainten.	1 / N	
		

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Component No.	10	Deck/slab/arch barrel
Condition/Mainten.	1 / N	
		

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Component No.	14	Structure in general
Condition/Mainten.	3 /	

