

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/029749-2021>

Planning

Market Capability Survey: Drainage Inspection and Maintenance

Network Rail Infrastructure Ltd

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2021/S 000-029749

Procurement identifier (OCID): ocds-h6vhtk-02fba6

Published 30 November 2021, 10:45pm

Section I: Contracting entity

I.1) Name and addresses

Network Rail Infrastructure Ltd

1 Eversholt Street

London

NW1 2DN

Email

ShruthiMariam.George@networkrail.co.uk

Telephone

+44 1908781000

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

www.networkrail.com

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.6) Main activity

Railway services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Market Capability Survey: Drainage Inspection and Maintenance

II.1.2) Main CPV code

- 45232452 - Drainage works

II.1.3) Type of contract

Works

II.1.4) Short description

The requirements

Eastern Region has initiated a project to review the requirements of the Lord Robert Mair drainage recommendations and assess their requirements and the implication on Eastern Region. Several operating models will be proposed and will detail the benefits and risks of each. It will also describe implications on market capabilities, cost etc.

Types of Drainage Assets

- Catchpit
- Inflow/outfall
- Interceptor
- Pumping station
- Soakaway
- Channel/flume
- Pipe
- Pond
- Culvert
- Granular drain

What constitutes drainage inspection

“Drainage inspections gather visible information relating to the structure and performance of the drainage system as well as the parent assets such as earthworks, structures and track.

Drainage inspections have two levels of details:

- a) Drainage System Defect Inspection is a basic visual inspection which is also included as part of the Condition Inspection.
- b) Drainage System Condition Inspection is the baseline inspection which is required for all drainage assets in order to collect condition data and should cover the drainage system (inflows to outfall).

The My Work App has been created to allow inspection data to be collected consistently and to upload the information into Ellipse. This eliminates the need for paperwork and enables functionality such as Global Navigation Satellite System data recording, photographs, editing attributes and the creation of work arising to be completed quickly and within defined scripts. Whenever possible the use of the My Work App is recommended.

Where more detailed information is required, the inspection should be supported by a survey (see NR/L2/CIV/005/05, Drainage Survey.” (definition in accordance with

NR/L2/CIV/005, Module 4, Drainage Inspection, p.7)

What constitutes drainage maintenance

Drainage maintenance, both manual and mechanised, will be undertaken in accordance NR/L2/CIV/005, Modules 11 – 15; and will be specified by the Senior Asset Engineers in the Route Engineering team.

Manual work includes: rodding of pipes, vegetation removal and recutting ditching, replacement of catchpit lids and rings, desilting and repair of culvert headwalls etc.

Mechanised maintenance would be primarily jetting.

Critical success factors

- 1) measurable condition score improvement;
- 2) performance improvement re. reduction of TSRs, reduction in flood events, reduction in wet beds/rough ride reports;
- 3) Earthwork stability
- 4) Achieve unit rate

If you would like to take part in the market capability survey please access it using this link:

<https://forms.office.com/Pages/ResponsePage.aspx?id=4cMsw9dTU--A9WhWMyUCWhHaewLIQ5KvEXxQkx8u7RURExZSIZZOTBSMFZBMjRBRDJCQjNGMkxaMS4u>

If you have any issues accessing the survey please direct your queries to shruthimariam.george@networkrail.co.uk.

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 43324000 - Drainage equipment
- 44163110 - Drainage pipes
- 44163112 - Drainage system

- 45111240 - Ground-drainage work
- 45232450 - Drainage construction works
- 45232452 - Drainage works

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

****PLEASE NOT THAT THIS PIN IS ONLY FOR A MARKET CAPABILITY SURVEY AND NOT A CALL FOR COMPETITION****

The requirements

Eastern Region has initiated a project to review the requirements of the Lord Robert Mair drainage recommendations and assess their requirements and the implication on Eastern Region. Several operating models will be proposed and will detail the benefits and risks of each. It will also describe implications on market capabilities, cost etc.

What constitutes drainage inspection

“Drainage inspections gather visible information relating to the structure and performance of the drainage system as well as the parent assets such as earthworks, structures and track.

Drainage inspections have two levels of details:

- a) Drainage System Defect Inspection is a basic visual inspection which is also included as part of the Condition Inspection.
- b) Drainage System Condition Inspection is the baseline inspection which is required for all drainage assets in order to collect condition data and should cover the drainage system (inflows to outfall).

The My Work App has been created to allow inspection data to be collected consistently and to upload the information into Ellipse. This eliminates the need for paperwork and enables functionality such as Global Navigation Satellite System data recording, photographs, editing attributes and the creation of work arising to be completed quickly and within defined scripts. Whenever possible the use of the My Work App is recommended.

Where more detailed information is required, the inspection should be supported by a survey (see NR/L2/CIV/005/05, Drainage Survey.” (definition in accordance with NR/L2/CIV/005, Module 4, Drainage Inspection, p.7)

What constitutes drainage maintenance

Drainage maintenance, both manual and mechanised, will be undertaken in accordance NR/L2/CIV/005, Modules 11 – 15; and will be specified by the Senior Asset Engineers in the Route Engineering team.

Manual work includes: rodding of pipes, vegetation removal and recutting ditching, replacement of catchpit lids and rings, desilting and repair of culvert headwalls etc.

Mechanised maintenance would be primarily jetting.

Critical success factors

- 1) measurable condition score improvement;
- 2) performance improvement re. reduction of TSRs, reduction in flood events, reduction in wet beds/rough ride reports;
- 3) Earthwork stability
- 4) Achieve unit rate

Depot Locations per Route

The drainage assets (total number estimated around 150,000) are split across the 4 routes as follows:

East Coast – estimated 19%

North & East - estimated 26%

East Midlands - estimated 17%

Anglia - estimated 38%

East Coast Route Depot Locations

Morpeth

Newcastle

Darlington

Doncaster

Peterborough

Hitchin

London Kings Cross

North & East Route Depot Locations

Hexham

Middlesbrough

York

Knottingley

Leeds

Wakefield

Sheffield

Barnetby

East Midlands Route Depot locations

Bedford

Luton

Derby

Leicester

Nottingham

Lincoln

Anglia Route Depot Locations

Ipswich

Norwich

Romford

Barking

Ely

Tottenham

Please note: The date in section II.3 is the date the PIN will be published as this is just a market capability survey.

II.3) Estimated date of publication of contract notice

29 November 2021

Section IV. Procedure

IV.1) Description

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: No

Section VI. Complementary information

VI.3) Additional information

If you would like to take part in the market capability survey please access it using this link:

<https://forms.office.com/Pages/ResponsePage.aspx?id=4cMsw9dTU--A9WhWMyUCWhHaewLIQ5KvEXxQkx8u7RURExZSIZZOTBSMFZBMjRBRDJCQjNGMkxaMS4u>

If you have any issues accessing the survey please direct your queries to shruthimariam.george@networkrail.co.uk.