

**West Lothian Council
Operational Services**

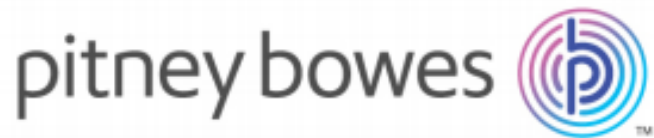
Mobile Working

Kenneth Brown

Senior Engineer – Roads Maintenance

Introduction

- Background
- Code of Practice
- Confirm
- ConfirmConnect



Code of Practice

Well-managed Highway Infrastructure

Recommendation 8 – Information Management

Information to support a risk based approach to highway maintenance should be collected, managed and made available in ways that are sustainable, secure, meet any statutory obligations, and, where appropriate, facilitate transparency for network users.

Code of Practice

Well-managed Highway Infrastructure

Section - B.3.2.1.

A highway asset management system is essential to deliver an effective and efficient approach to asset management. This should typically have the capacity to cover all of the asset types outlined in Section B.1.1.1, with the actual data collected aligning to the authority's own asset data management strategy.

Background

- Roads and Transportation has used Confirm since 2005
- Upgrade to mobile working 2017

Confirm Engineering

- Worked with South Bank Systems
- Desktop Application
 - Enquiries
 - Issuing Works Orders
 - Bridge Inspections

Confirm Engineering

Confirm Engineering - BROWNK on Confirm Engineering -LIVE

File Edit Shortcuts Window Help

Confirm Dashboard X Officer's Enquiries X Customer Enquiry X

1 of 1 | Print Trace Attrib Info Detail Action

Logged 00/00/0000 00:00:00 by Kenneth Brown Customer

P.O.C Whitehill Roads Maintenance Method

Title Forename Surname

Address Telephone No.

Cust Ref Alternate Tel.

Type Date 00/00/0000 Mobile Tel.

Email Fax No.

Automated Contact None

Logged 00/00/0000 00:00:00 by Kenneth Brown Enquiry

Street Urgent

Service Subject

Location Desc.

Contact Telephone No.

Email Alternate Tel.

Class. Enq Ref Fax No.

Status Notes

Officer

Effect. 30/10/2017 15:52:04 Follow Up by 00/00/0000 00:00:00

Confirm Engineering

Confirm Engineering - BROWNK on Confirm Engineering -LIVE

File Edit Shortcuts Window Help

Confirm Dashboard X Officer's Enquiries X Customer Enquiry X Job X

1 of 1 | Order Other Risks Attrib

Job	Additional	Current Status
Job Number	Placed on W.O.	Uncommitted
Street		Parent Job
Feature Id	Location	
Feature No.	Ward	
Area	Work Location	
Description		
Job Type	No Code Allocated	Estimated Value
Hazard Type	No Code Allocated	
Priority	*** Please Change Priority ***	Price Factor
Cost Code		Non-Routine
Customer		Partial Payments
Customer Reference		Est. Start Date
Pref. Contr.		Actual Start Date
Status	01 Works Order Raised	Completion Due
Officer	KB Kenneth Brown	Target Completion
		Actual Completion

SOR Items	Status Log	Child Jobs
Job Item No.	SOR Item Code	SOR Item Name
		Item Quantity
		Detail

Confirm Engineering

Confirm Engineering - BROWNK on Confirm Engineering -LIVE

File Edit Shortcuts Window Help

Confirm Dashboard X Officer's Enquiries X Feature X

2 of 3

Street: Howden West Road 43507614

Feature Id: HY653/022 Feature No.: 2,456.00

Start Date: 13/05/2005 13:17:40 Live

Feature Type: Underpass - Road BURO

Location: BURNBANK UNDERPASS

Attributes	Inventory	Additional	Geography	Smart Attributes
Comments	LOCATED UNDER LINK ROAD BETWEEN LADYWELL EAST ROAD & HOWDEN WEST ROAD, JUST			
Total Clear Span (all spans)	4.56	Metre		
Overall Width	14.32	Metre		
Bridge Area	65.30	Square Metres		

Confirm Engineering

Inspector Explorer

Inspection Batch: 6750 Inspection Batch

Street: Howden West Road 43507614

Feature Id: HY653/022/1 Locn: BURNBANK UNDERPASS Span 1 of 1

Feature No.: 2,456.01 Bridge Span

Measurement: 1.00 Number

Officer: ALIW Alistair Williamson

Inspected: 20/04/2017 14:27:54 Expiry Date: 00/00/0000 00:00:00

Due Date: 10/03/2017 00:00:00

Conditions		Defects	
Observation Type	Grade	Score	Defects
BCI Average	Value	85.0056	0
BCI Critical	Value	78.8800	0
Primary Deck Element	2C - Minor, moderate	2.1000	0
Sec. Deck Element/s Transv Beam	N/A	.0000	0
Sec. Deck Element/s Other	N/A	.0000	0
Half joints	N/A	.0000	0
Tie beam/rod	N/A	.0000	0
Parapet beam or cantilever	2B - Minor, slight	2.0000	0
Deck bracing	N/A	.0000	0
Foundations	NI - Not Inspected	.0000	0
Abutments (inc. arch springing)	2B - Minor, slight	1.7750	0
Spandrel wall/head wall	2B - Minor, slight	1.7750	0
Pier/column	N/A	.0000	0

Limitations

- Dated
- No mobile functionality
- Double handling of data
- Difficult to extract data

Confirm Enterprise

- Officer Enquiries
- Roads, footway assets
- Mapping
- Dashboards
- Reporting

Confirm Enterprise

Confirm Engineering - BROWNK on Confirm Engineering -LIVE

File Edit Shortcuts Window Help

PDF [Icons]

Confirm Dashboard X Officer's Enquiries X HW-Carriageway X Map X

Close Refresh Print Detail

Number	Description	Street	Enquiry Subject	Status	Officer	Logged
2590648	Steven Brockbank from the West Calder & Harburn Community Development Trust has reported that various parts of the square are in poor condition. 1. There is spalling brckwork on some of the walls. 2. Loose steps. 3. Loose slabs on the slopes. Please check the square for safety defects and undertake any maintenance required.	Union Square	Road Path General Enquiries	08	SUKE	30/10/2017 15:07:59

Confirm Enterprise

Confirm Engineering - BROWNK on Confirm Engineering -LIVE

File Edit Shortcuts Window Help

Confirm Dashboard X Officer's Enquiries X HW-Carriageway X

1 of 2 | Action Other


Street: High Street 43507576

Feature Id: Feature No. 7,777.01

Start Date: 11/10/2016 11:00:44 Live

Feature Type: HW-Carriageway HW01

Location:



Attributes		Geography	
Area	9,323.76 Square Metres		
Linear metres	1,030.00 Linear metres		
Cway Construction	Flexible Bituminous	Notes	
Cway Surface Type	Hot Rolled Asphalt	Notes	
Cway Surface Date	00/00/0000 00:00:00	Notes	
Urban/Rural	Not Known	Notes	
Cway Cycle Route	No Cycle Route	Notes	
Traffic Levels	Not Known	Notes	
Speed Limit	Not Known	Notes	
Winter Hierarchy	Not Known	Notes	
Shared Surface	No	Notes	
Public Road	Public Road	Notes	

Confirm Enterprise

Confirm Dashboard X Officer's Enquiries X HW-Carriageway X Map X

Scale 1: 10843

My Workspace - Layers

- HW-Gully
- HW-Footway
- HW-Carriageway
- Scottish Government Web Services

Registered Layers

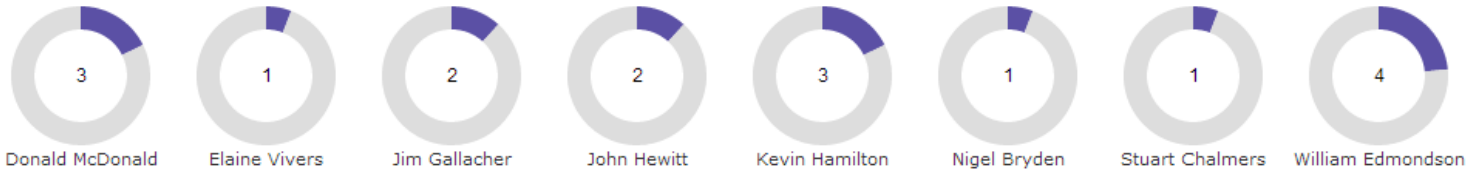
Object Properties

Name	Value
Site Code	43507576
Site Name	High Street
Plot Number	7777.01
Central Asset Id	04002933
Feature Id	
Feature Type Code	HW01

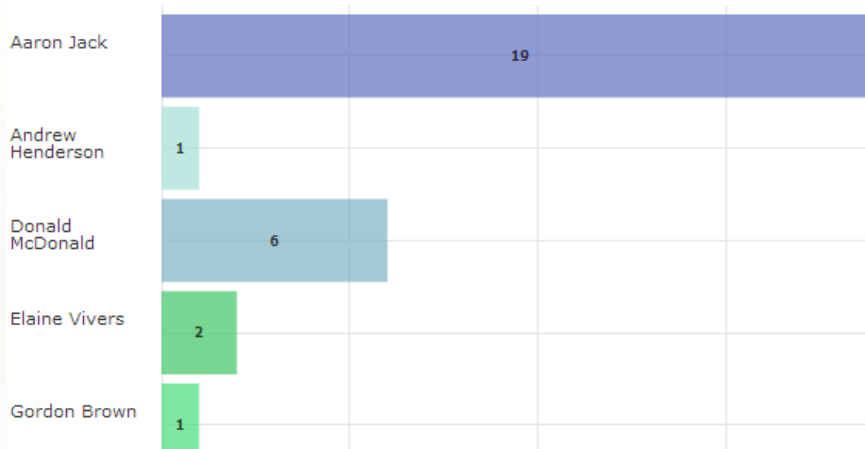
Map labels: Little Mill, Bargerston, Sewage Works, Loch House, Parkhead, Mount Michael, Parkhead Small Holding, Linlithgow Lock, The Rickle, Linlithgow Bow Palace (rems of), Bow Butts, FB, Sch, Gateway, Sch, hgow Bridge, A700, B 8029, 85, 80, 65, 78, 803, 57, 51, FB.

Confirm Enterprise

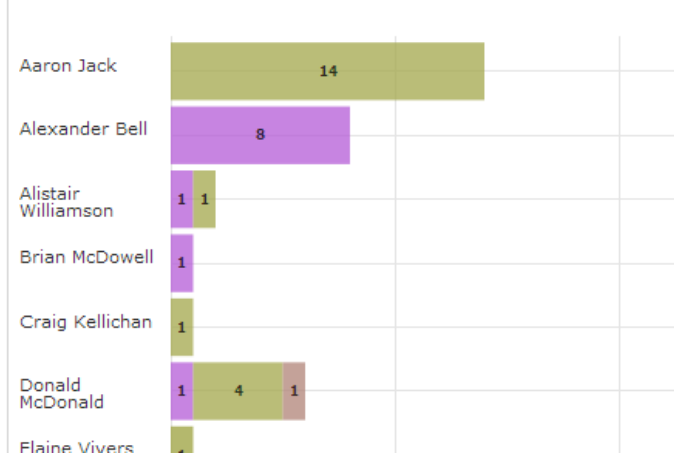
▼ PU Supplied R&T (30/10/2017 16:04:25)



▼ HW - Uncommitted Jobs (30/10/2017 16:04:49)



▼ HW Jobs Incomplete (by Original Officer) (30/10/2017 16:04:31)



Confirm Enterprise

31/10/2017

Street History Report

Page 1 of 2

Effective: 01/01/2017 to 31/10/2017
 Service: Roads Maintenance
 Street: Edinburgh Road (43507340)

Feature No.: 7777.00 to 7777.00
 Display Action Officer: Yes

Street: Edinburgh Road (43507340)

Locality:

Area: Linlithgow

Condition Survey

Defect No:	Description	Log Date	Location	Defect Type	Class.	Organisation	Status	Job No.
Feat No.:	7,777.00	Feature Id - Locn.:		Feature Type:	HW-Carriageway		Area: Linlithgow	
Batch:	21102 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Aaron Jack		Date: 28/08/2017
	No actionable defects found							
Batch:	16772 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Sophie Kelly		Date: 24/07/2017
117790	Pothole on carriageway	24/07/2017	Westboundoutside junction to st magdalens (edinburgh road) linlithgow	HW-Fway,Fpath,Cway	Pothole	Internal	Committed	7045190
Batch:	14034 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Aaron Jack		Date: 29/06/2017
	No actionable defects found							
Batch:	10919 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Stuart Baird		Date: 29/05/2017
	No actionable defects found							
Batch:	7709 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Stuart Baird		Date: 02/05/2017
	No actionable defects found							
Batch:	5753 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Stuart Baird		Date: 03/04/2017
	No actionable defects found							
Batch:	4312 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Stuart Baird		Date: 17/03/2017
116497	Potholes	17/03/2017	Opp Dawson court	HW-Carriageway	Pothole	Internal	Committed	7043556
Batch:	2347 - Inspection Batch			Route:	HW-C'way Safety Second Dist	Officer: Stuart Baird		Date: 13/02/2017
	No actionable defects found							

Customer Services

Enquiry No.: 6679880

Logged by: Customer Services

on: 14/06/2017 19:53

Officer: Kenneth Brown

Service: Roads Maintenance

Subject: Road Path General Enquiries

Classification: Requesting a Service

Enquiry Ref:

Desc.: Pls ref customer's email regarding cycling event:

Can you please help wit some problems that arose in last years event. I live on the Edinburgh road and require 4 carers a day to help with my needs last year the carer was refused acces to edinburgh road and had to abandon ther car at back station road and walk to my house notva grate inconvenience but it did make them late for other clients. Again not the end of the world unless they were requiredcto help with time sensative meds. I beleav it will be the same this year.
 Another problem is the cyclists ignoring red lights at both the junctions and crossings a friend who requires a wheelchair was ignoredxwhen she was trying to cros the road the cyclists just

Confirm Enterprise

31/10/2017

Street History Report

Page 2 of 2

Effective: 01/01/2017 to 31/10/2017
 Service: Roads Maintenance
 Street: Edinburgh Road (43507340)

Feature No.: 7777.00 to 7777.00
 Display Action Officer: Yes

Maintenance Management

Job No.	Description	Location	Officer	Priority	Job Status	Entered	Completion	Works Order
Feat No.:	7,777.00	Feature Id - Locn.:			Feature Type: HW-Carriageway		Area: Linlithgow	
7042438	RM71 16 W-----Markings Visibility Issue-----Re-Apply Markings	Edinburgh Road - between the railway bridge and the new supermarket development.	Roads Ops Jet Patcher	HW-Category 2 (M) - 28WD	Job Closed	29/12/2016	14/08/2017	Act.
7042440	D359 16 W-----Choked Gullies-----Clean & Jett Gullies	Edinburgh Road Linlithgow (plan emailed)	Roads Ops Jet Patcher	HW-Category 2 (M) - 28WD	Job Closed	29/12/2016	24/01/2017	Act. HW2016/189
7042711	RM71 16 W-----Markings Visibility-----Re-Apply Markings	Edinburgh Road Linlithgow (plan attached)	Roads Ops Jet Patcher	28 Days to complete Works	Job Closed	24/01/2017	02/03/2017	Act. HW2016/406
7043556	Potholes (HW-Carriageway Pothole)	Opp Dawson court	Roads Ops Jet Patcher	HW-Category 2 (M) - 28WD	Job Closed	17/03/2017	05/06/2017	Act. HW2016/940
7045190	Pothole on carriageway (HW-Fway,Fpath,Cway Pothole)	Westboundoutside junction to st magdalens (edinburgh road) linlithgow	Roads Ops Jet Patcher	HW-Category 2 (M) - 28WD	Job Closed	24/07/2017	31/07/2017	Act. HW2016/2195

ConfirmConnect

- Key functionality on a mobile device
- Bi-directional information flow
- Minimises paperwork
- Manage enquiries, inspections and work crew activities on site.
- Survey existing assets and create new assets on the spot.

Hardware

- Samsung Galaxy J5
- Samsung Galaxy Tab A



Roads & Transportation

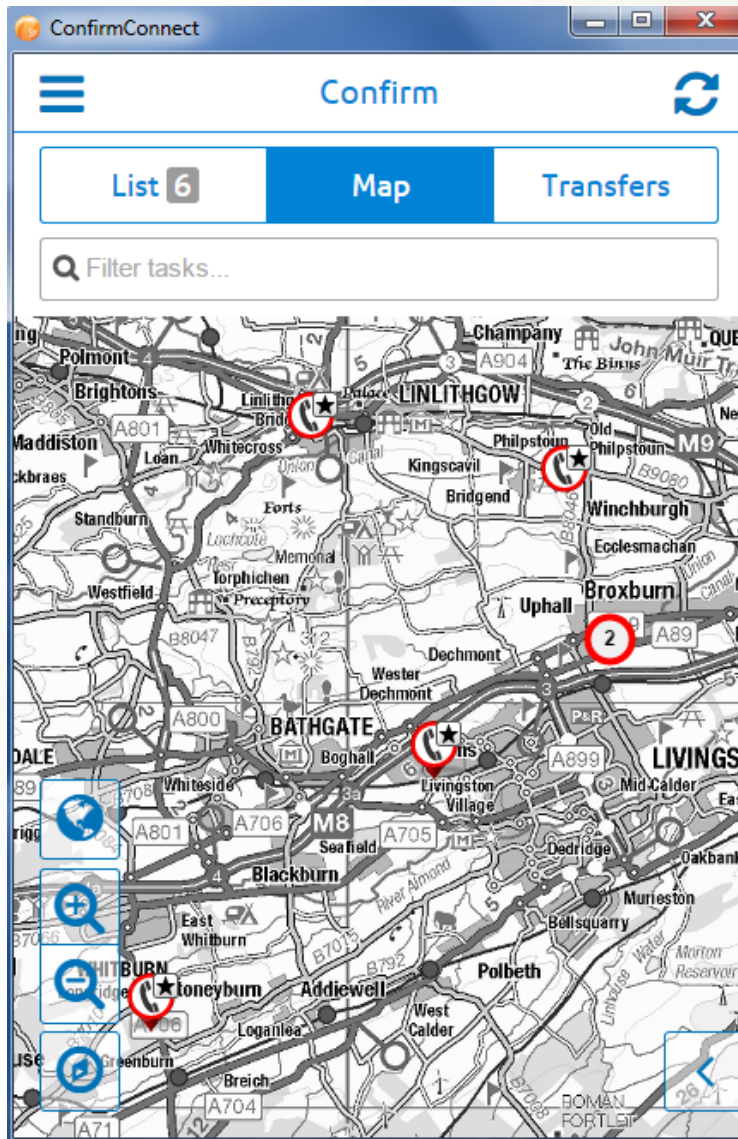
- Safety Inspections
- Condition Surveys
- Customer Enquiries
- Defect records
- Raising Works Orders
- Jobs
- Gully cleaning

Roads & Transportation

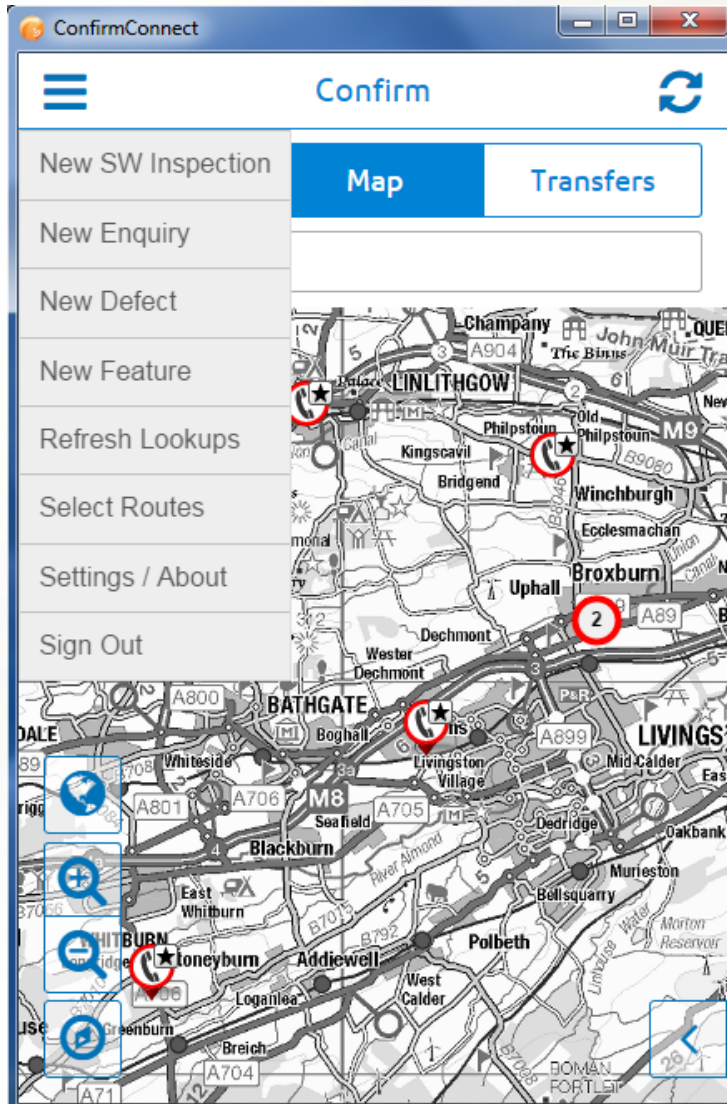
The screenshot shows a web application window titled "ConfirmConnect". The main header area contains a hamburger menu icon, the word "Confirm", and a refresh icon. Below this is a navigation bar with three tabs: "List 6" (active), "Map", and "Transfers". A search bar labeled "Filter tasks..." and a "Sort" dropdown menu are positioned below the navigation bar. The main content area displays a list of six road maintenance tasks, each with a red star icon, a description, and a date/time stamp.

Task ID	Description	Action	Date/Time
A706>B7015 To Back Of Moss	Small culvert between longridge and lights. (2590476) Road Path General Enquiries	Action - Evaluate & Act 7 Days	12 Sep 2017 09:45
B9080>Gateside To B8046	B9080 (6698277) COMPLAINT Roads Maintenance STAGE 2 Investigation		13 Oct 2017 10:47
Barracks Roundabout	Barracks roundabout (6698709) Road Path Paint Re-Marking	Action - Evaluate & Act 7 Days	28 Sep 2017 09:11
Crossgreen Drive	Uphall Primary School staff car park (2590324) Road Path With Potholes	Awaiting Est/Quote External	01 Aug 2017 15:02
Falkirk Road	Thornton House, Falkirk Road, Linlithgow (6698900) Road Path With Potholes	Action - Evaluate & Act 7 Days	13 Oct 2017 15:14
Middleton Road	Rain water has come up through my drive and through my... (2590282) Flood Risk ManagementEnquiries	Action - Evaluate & Act 7 Days	09 Aug 2017 07:30

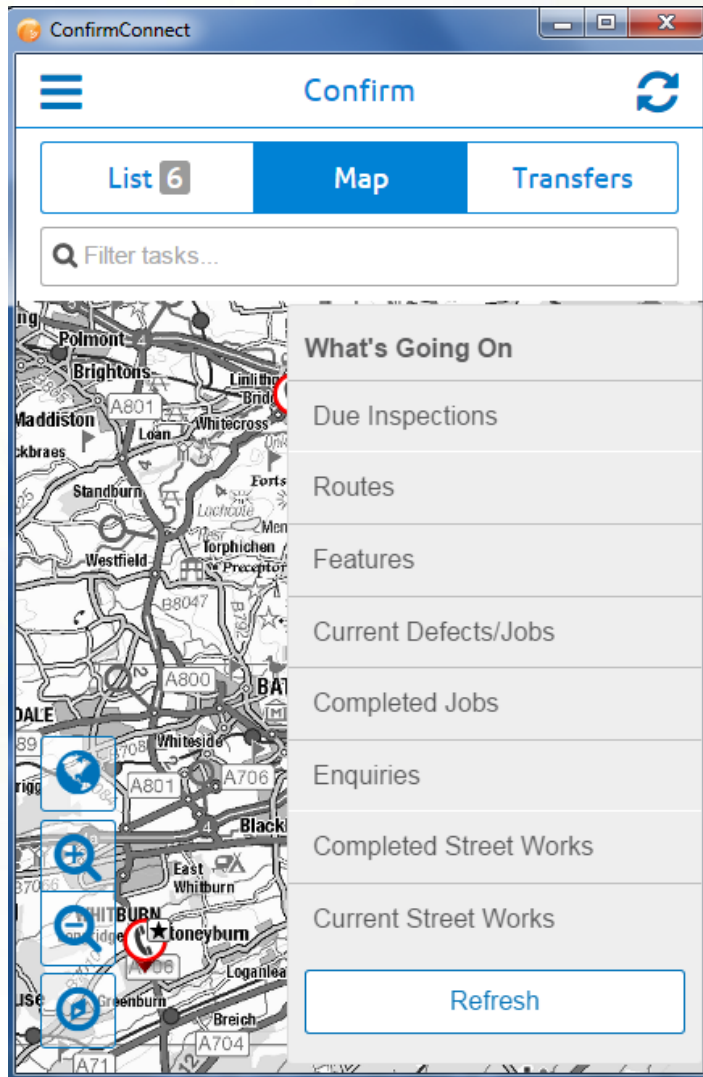
Roads & Transportation



Roads & Transportation



Roads & Transportation

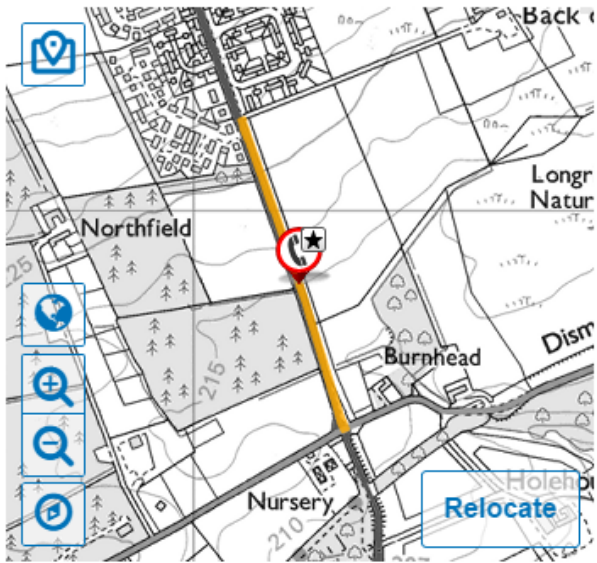


Roads & Transportation

ConfirmConnect

← Tasks Enquiry 2590476

Details



A706>B7015 To Back Of Moss

Small culvert between longridge and lights.

Roads Maintenance (ROAD)

Road Path General Enquiries (FPGE) ▶

It is reported that a masonry headwall on a 300mm culvert has been damaged by Forestry

Roads & Transportation

ConfirmConnect



← Tasks Enquiry 2590476

▶ Linked Documents

Select New Status ▼

add notes...

▼ Photo

Reassign To ▶

A706>B7015 To Back Of Moss, HW-Carriag... ▶

▶ Defects

▶ Offences

Save Draft Send

Roads & Transportation

ConfirmConnect

< Cancel Create Defect

Select Defect Type Recent Defects

Q pot| X

- HW-Carriageway Pothole (HW01) >
- HW-Fway,Fpath,Cway Pothole (HW20) >

Roads & Transportation



Roads & Transportation

ConfirmConnect

← Tasks New Defect Discard

Attributes

PU Required

Not Known (NK)

PU Size Search Area Radius Mt

notes...

PU House Number/Landmark

notes...

PU Traffic Management

Not Known (NK)



Add Attribute

Roads & Transportation

ConfirmConnect

[← Tasks](#) [New Defect](#) [Discard](#)

▼ Photo

Assign To ▶

Select Contract ▼

Select Cost Code ▶

▼ SOR Items

1 x Labour and plant for 2 person squad ... >



1 x Cold Pothole Repair Material (Viafix) ... >

[Add Item](#) [Add Group](#)

[Fix Now](#) [Send](#)

Roads & Transportation

Details



Select Contract

Flood Risk Management (FL01)

HWC 2016 (HW2016)

HW-Carriageway Pothole (HW01) ▶



Select Feature (required) ▶


Roads & Transportation


ConfirmConnect


[← Tasks](#) [New Defect](#) [Discard](#)

▼ Photo

Assign To 

Select Contract 

Select Cost Code 

▼ SOR Items

1 x Labour and plant for 2 person squad ... >

1 x Cold Pothole Repair Material (Viafix) ... >

[Add Item](#) [Add Group](#)

[Fix Now](#) [Send](#)

Current Usage

Operational Service:

- Waste
- Ground Maintenance
- Roads & Transportation
 - Roads Maintenance
 - Roads Operations
 - Structures
 - Street Lighting
 - Flood Prevention
 - Public Utilities

Next Steps

- Asset Management
- Reporting
- Workzone



Questions?

Discussion