



# Road & Street Works Collaboration Tool

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# Our story so far...

Northumbrian Water Innovation Festival -  
Winners

Continued developing the idea at GeoPlace


Speaking to potential users

Gathering stakeholder feedback

Applying for funding



On a stage now at the HAUC conference

An aerial photograph of a winding road, likely a racetrack or a scenic route, set against a dark blue background. The road is illuminated from above, creating a bright, glowing effect that highlights its curves and turns. The overall scene is serene and emphasizes the path's trajectory.

Why are Road and Street Works  
important anyway?

An aerial photograph of a horse racing track, showing the oval shape of the track, a surrounding fence, and a small building near the bottom left. The image is overlaid with a dark blue gradient.

2.5 million works per year

Less than 1% of road and street works, are marked as collaborative nationally.\*

\* Regional variations exist a little above this figure, but figure is very low overall.

# Why is this an issue?

- Multiple excavations in the same street.
- Repeated disruption to residents and road users.
- Missed cost saving opportunities.

Example region total permits 25/26:

**19,714**

How many not collab:

**19,635**

How many collab:

**79 (Less and 0.5%)**

An aerial photograph of a winding road on a hillside, viewed from a high angle. The road is light-colored and curves through a darker, vegetated area. The overall image has a blue tint. The text "How do we change this?" is overlaid in white, centered horizontally and slightly below the vertical center.

How do we change this?

An aerial photograph of a large, winding lake with a light blue path or road that curves along its edge. The water is a deep blue, and the sky is a lighter blue. The path is visible in the foreground and middle ground, curving around the lake's perimeter.

Why do HAs want more  
collaboration?

An aerial, high-angle photograph of a horse racing track, rendered in a monochromatic blue color scheme. The track is oval-shaped and features multiple lanes. A white fence runs along the outer edge of the track. The text "Reason 1" is centered over the track in a large, white, sans-serif font.


# Reason 1

“...help councils prevent occurrence of multiple roads being closed in one locality, or **the same road being dug up multiple times in one year.**”

– Transport Select Committee

An aerial photograph of a horse racing track, showing multiple lanes and a fence. The track is set against a dark blue background. The text "Reason 2" is overlaid in the center in a white, sans-serif font.

# Reason 2

An aerial photograph of a winding road on a dark blue background. The road is light blue and curves through the landscape, creating a sense of movement and direction. The overall tone is professional and modern.

# Carbon and Cost savings (To public and business)

An aerial photograph of a winding road on a hillside, overlaid with a semi-transparent blue filter. The road curves through the landscape, and the overall scene is dimly lit, suggesting dusk or dawn. The text is centered over the image.

Why do Utilities want more  
collaboration?

An aerial, high-angle photograph of a horse racing track, likely at dusk or dawn, given the blue and purple tones. The track is oval-shaped and features multiple lanes. A prominent white fence runs along the outer edge of the track. The text "Reason 1" is overlaid in the center of the image in a large, white, sans-serif font.

# Reason 1

An aerial photograph of a horse racing track, showing the oval shape of the track and the surrounding grassy areas. The image is overlaid with a semi-transparent blue filter. The text "Cost Savings" is centered in the middle of the image in a white, sans-serif font.

# Cost Savings

An aerial photograph of a horse racing track, showing the oval shape of the track and the surrounding landscape. The image is overlaid with a semi-transparent blue filter. The text "Reason 2" is centered in the middle of the image in a white, sans-serif font.

# Reason 2

An aerial photograph of a horse racing track, showing the oval shape of the track and the surrounding landscape. The image is overlaid with a semi-transparent blue filter. The text "Customer Relations" is centered in the middle of the image in a white, sans-serif font.

# Customer Relations

# The collaboration tool

## Collaboration Tool

USRN 11707216 NORTH ROAD, DURHAM CITY Neither M, A, B or C Maintainable at public expense, Durham State: Open 820.5m

Duration: 26 days (02 Feb 2026 — 27 Feb 2026) Permit: Major (Cat 0-2, Traffic Sensitive) TTRO: Required Parking Bays: 11 days Collab Days: 18 of 26 days (69%)

WORKING ALONE

**£54,151**

Full permit and road costs

POTENTIAL SAVING

**£37,290**

69% reduction through collaboration

WORKING TOGETHER

**£16,861**

Shared costs after coordination

### COST BREAKDOWN — WORKING ALONE

PAA Fee	£105
Major Permit Fee	£196
Lane Rental (£2,000/day x 26)	£52,000
TTRO	£1,300
Parking Bay Suspension (£50/day x 11)	£550
<b>TOTAL</b>	<b>£54,151</b>

### STREET PROFILE

<b>14</b> WORKS (6 MO)	<b>3</b> COLLAB (2 YR)	<b>22.4</b> ASSET DENSITY
<b>4</b> BUS STOPS	<b>Yes</b> TRAFFIC SENS.	<b>Yes</b> LANE RENTAL

### CASE FOR COLLABORATION

This street has seen **14 works** in the last 6 months across **4 organisations**. As a traffic sensitive street within a lane rental zone, with 4 bus stops along its length, the cost and disruption of uncoordinated works is significant. Collaboration would reduce total project costs by an estimated **69%**.

### SAVINGS BREAKDOWN — COLLABORATING

Permit Fees (-30%)	-£90
Lane Rental Discount (69% of 26 days)	-£36,000
TTRO (shared -50%)	-£650
Parking Bays (waived)	-£550
<b>TOTAL SAVING</b>	<b>-£37,290</b>

### RECENT WORKS ACTIVITY

Northern Gas Networks (Gas)	4
Northumbrian Water (Water)	3
Northern Powergrid (Electricity)	5
BT Openreach (Telecommunications)	2
<b>4 organisations</b>	<b>14 total</b>

### COLLABORATION BENEFITS

- Lane Rental Discount (69%)**  
18 of 26 days collaborative — lane rental discounted proportionally. 100% collaborative working eliminates the charge entirely.
- 30% Permit Fee Discount**  
Collaborative permits qualify for the coordination discount under the permit scheme.
- Parking Bay Suspension Waived**  
Shared scheduling consolidates suspension periods — fees waived entirely.
- TTRO Cost Shared 50/50**  
One traffic regulation order covers all parties, splitting the cost between collaborators.

### APPLICABLE FLAT FEES

Permit	£196
TTRO	£1,300
TTRN	£289
Parking Bay Suspension	£50/day
Lane Rental	£2,000/day

# What is the collaboration tool?

- Cost breakdown, and potential collaboration savings
- Societal impact (Reduced instances of works, etc.)
- Potential collaboration partners



- Using our expertise in highways related data
- NSG, OS Data, Street Manager, etc

An aerial photograph of a horse racing track, likely at a racetrack, with a bright light reflecting off the water in the background. The track is a light blue color, and the surrounding area is a darker blue. The text "So, what could the impact be?" is overlaid in white, sans-serif font across the center of the image.

So, what could the impact be?

Up to 150,000 works nationally,  
at 6%?

An aerial photograph of a racetrack, likely a dirt track, is shown from a high angle. The track is a light brown color and winds through a dark blue landscape. The track starts in the upper right, curves around, and then forms a large oval shape in the lower half of the image. The overall scene is set against a solid dark blue background.

Where does the Collaboration  
Tool sit?

An aerial photograph of a horse racing track, showing the oval shape of the track and the surrounding landscape. The image is overlaid with a semi-transparent blue filter. The text "What now?" is centered in the middle of the image in a white, sans-serif font.

What now?

An aerial photograph of a horse racing track, showing the oval shape of the track and the surrounding grassy areas. The image is overlaid with a semi-transparent blue filter. The text "Any questions?" is centered in the middle of the image in a white, sans-serif font.

Any questions?