

A977 Public Consultation

Moubray Hall, Powmill, FK14 7NH

- Saturday 10 March 2018 10:00 to 12:00 noon
- Tuesday 13 March 2018 15:15 to 18:45



Comhairle Pheairt
is Cheann Rois

Background

- The team of Local Elected Members gained funding for A977 improvements
- A budget of £540,000 was awarded for the route
- A number of measures have been discussed with the current Elected Members
- Cost estimates have been calculated for options explored
- Project will comprise of road safety measures and major junction changes

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Work undertaken to Date

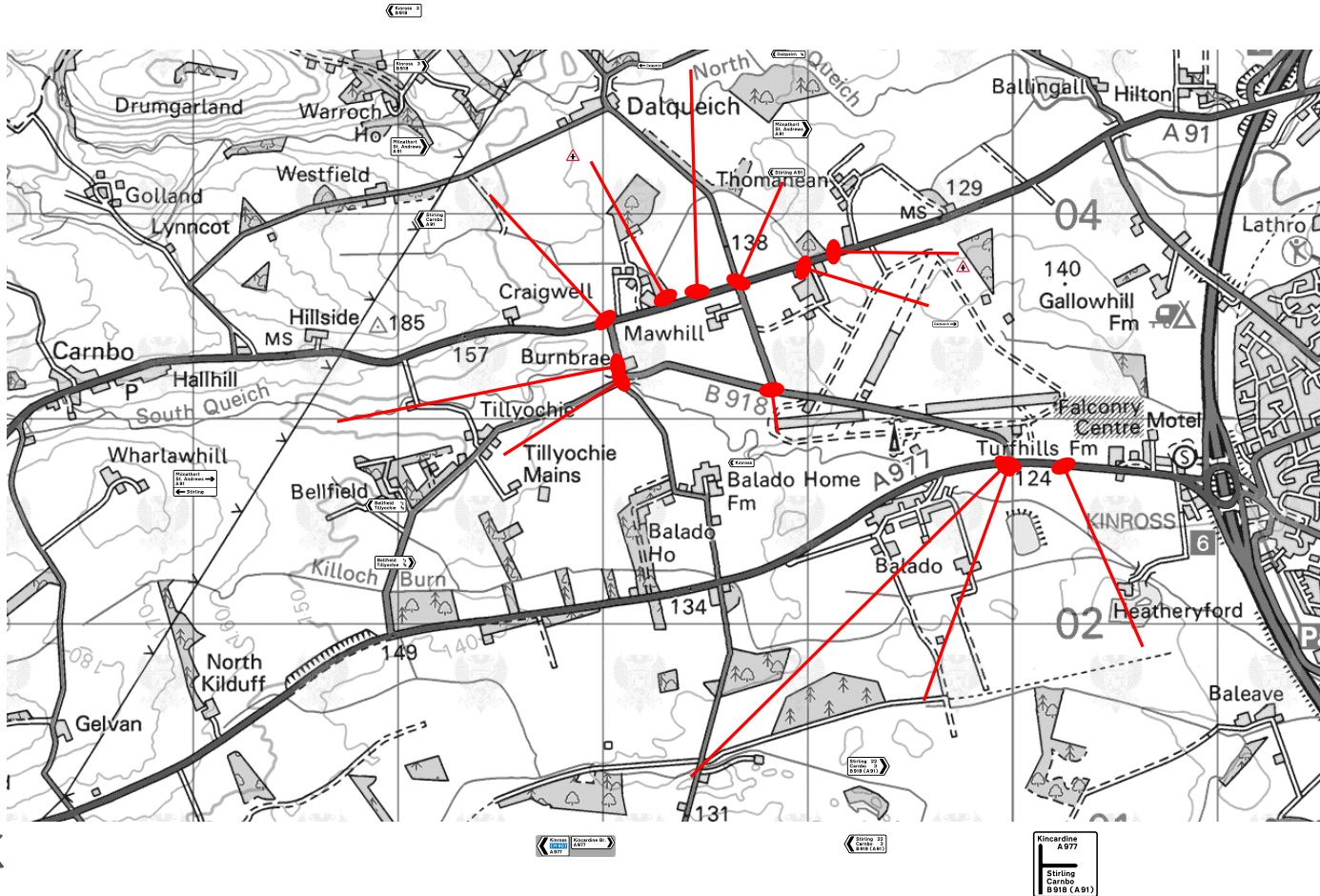
- Collision data has been analysed for reported injury collisions on the A977
- Traffic surveys undertaken on A977 and adjoining A or B Class Roads
- Inventory of street furniture for the route
- Route has been driven in daylight, wet and dark conditions
- Site visit with Police Scotland
- Consultation with Safety Cameras Scotland Programme

Proposals – Road Safety Measures

- Signing Strategy
- Upgrade the existing Vehicle Activated Signs
- Upgrade Turning Vehicle Signs
- Speed Classification Detectors
- Installation of Automatic Traffic Counters
- Active Studs
- Retroreflective Road Markings
- Gateway Features

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Signing Strategy



Estimated
cost: £49.5k

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Upgrading of existing Vehicle Activated Signs

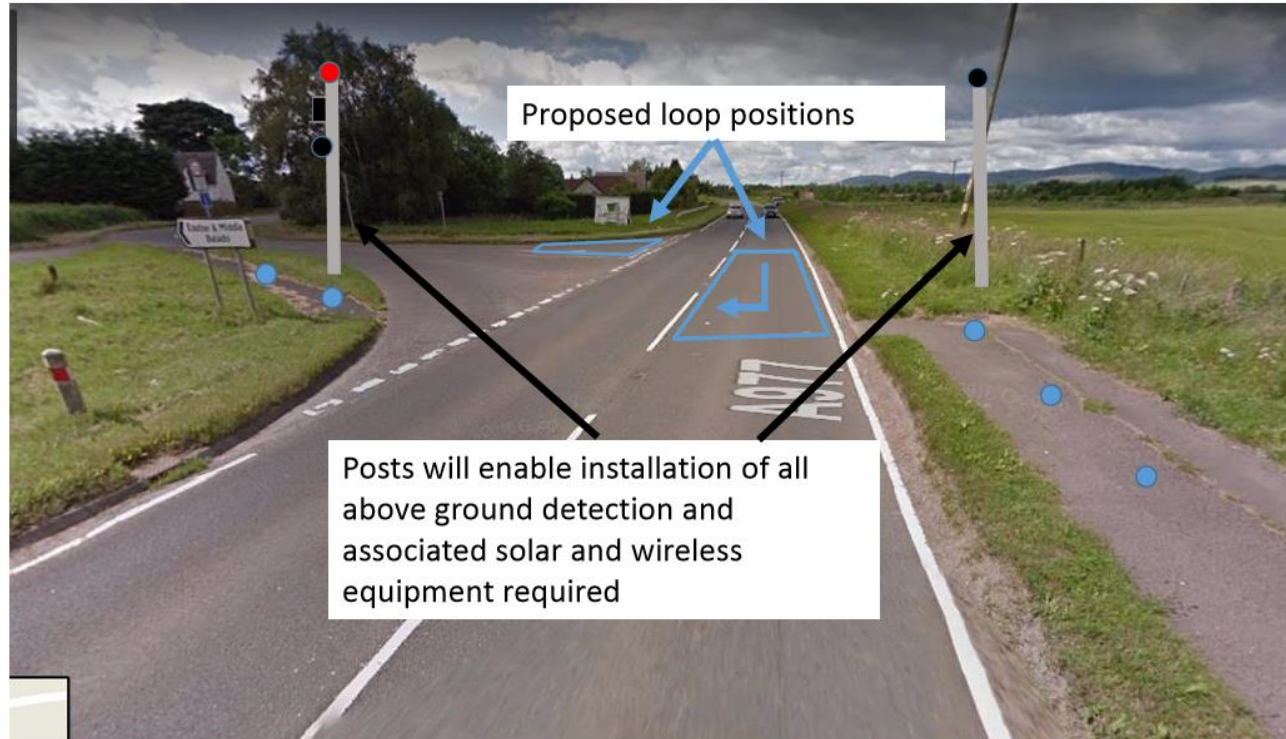
- Replace the existing Vehicle Activated Signs along the A977



Upgrade Turning Vehicle Signs – East Balado

COEVAL

A977 / East Balado, Junction Warning Sytem



- Cycle detection points
- Above ground Cycle / Pedestrian detectors
- Above ground Traficam Loop detector

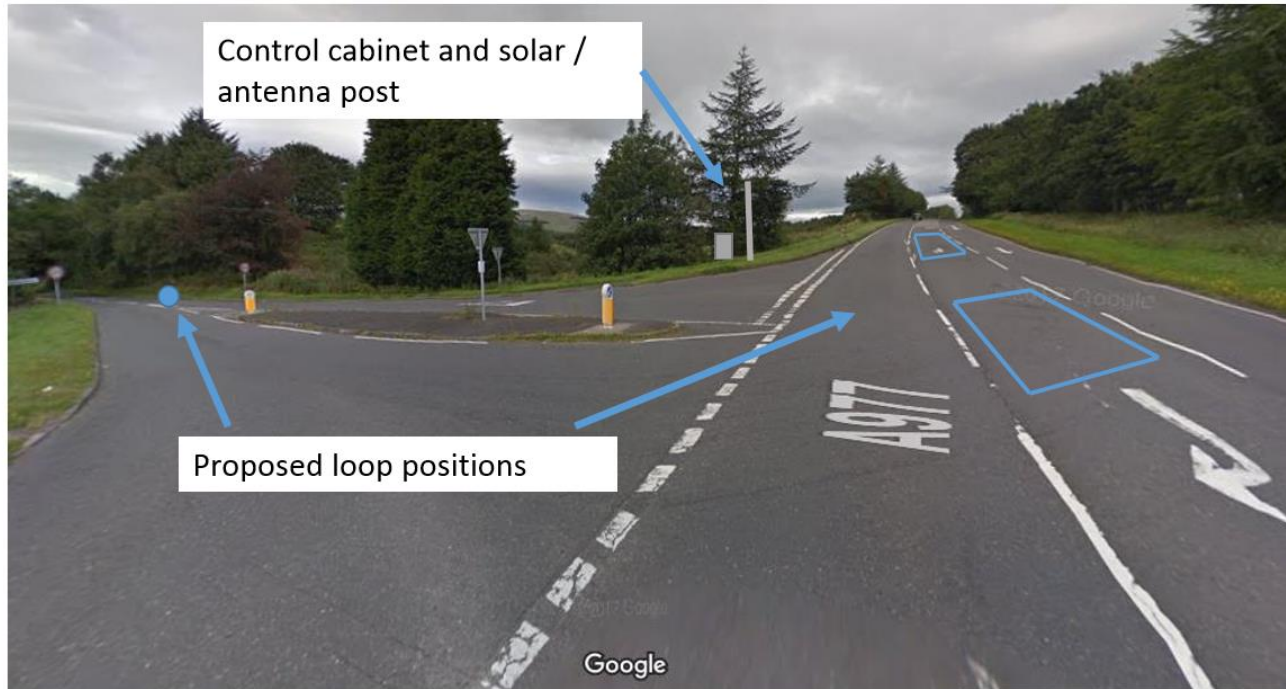
Estimated
cost: £21.5k

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Upgrade Turning Vehicle Signs – Rumbling Bridge

COEVAL

A977 / Rumbling Bridge , Junction Warning Sytem



Estimated
cost: £17k

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Speed Classification Detectors



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Speed Classification Detectors



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Speed Classification Detectors

Estimated
cost:
£49.9k per
site



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Automatic Traffic Counters and Classifiers

- Balado Straight
- Between Blairingone and Powmill



Estimated cost: £14.8k

Proposals – Active Studs

- Offer brighter alternative to traditional retro reflective studs
- Can be solar powered or hard wired
- Up to 10 year life



Estimated cost: £15.3k

Proposals – Retroreflective Road Markings

- Offer brighter alternative to traditional road markings
- Glass beads in the paint markings reflect the light
- Visibility of the road marking rises significantly in darker road conditions

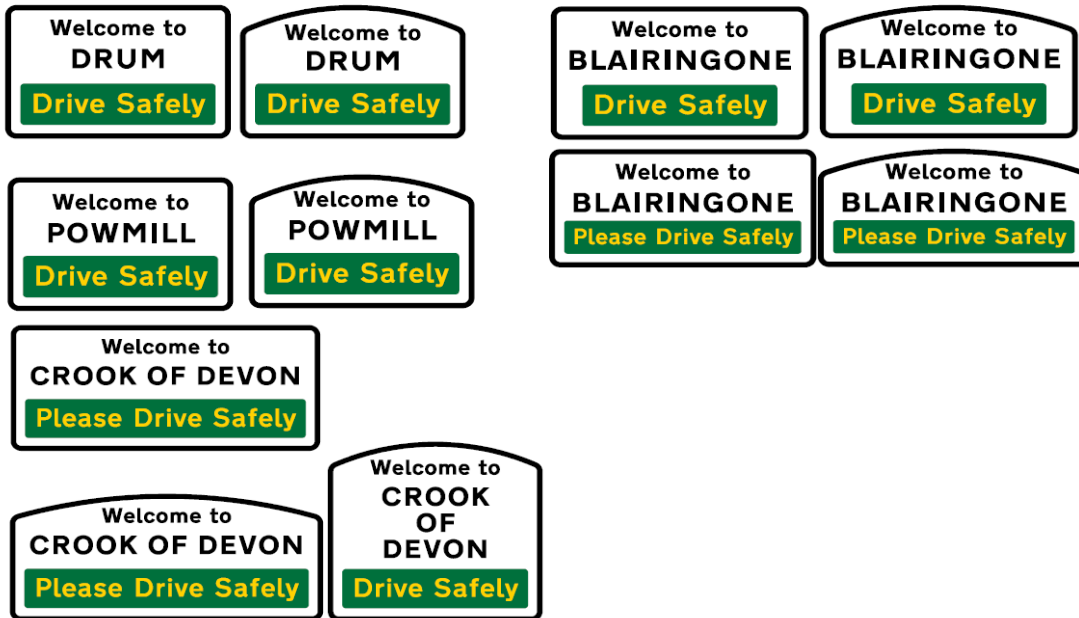
Estimated cost: £16.6k



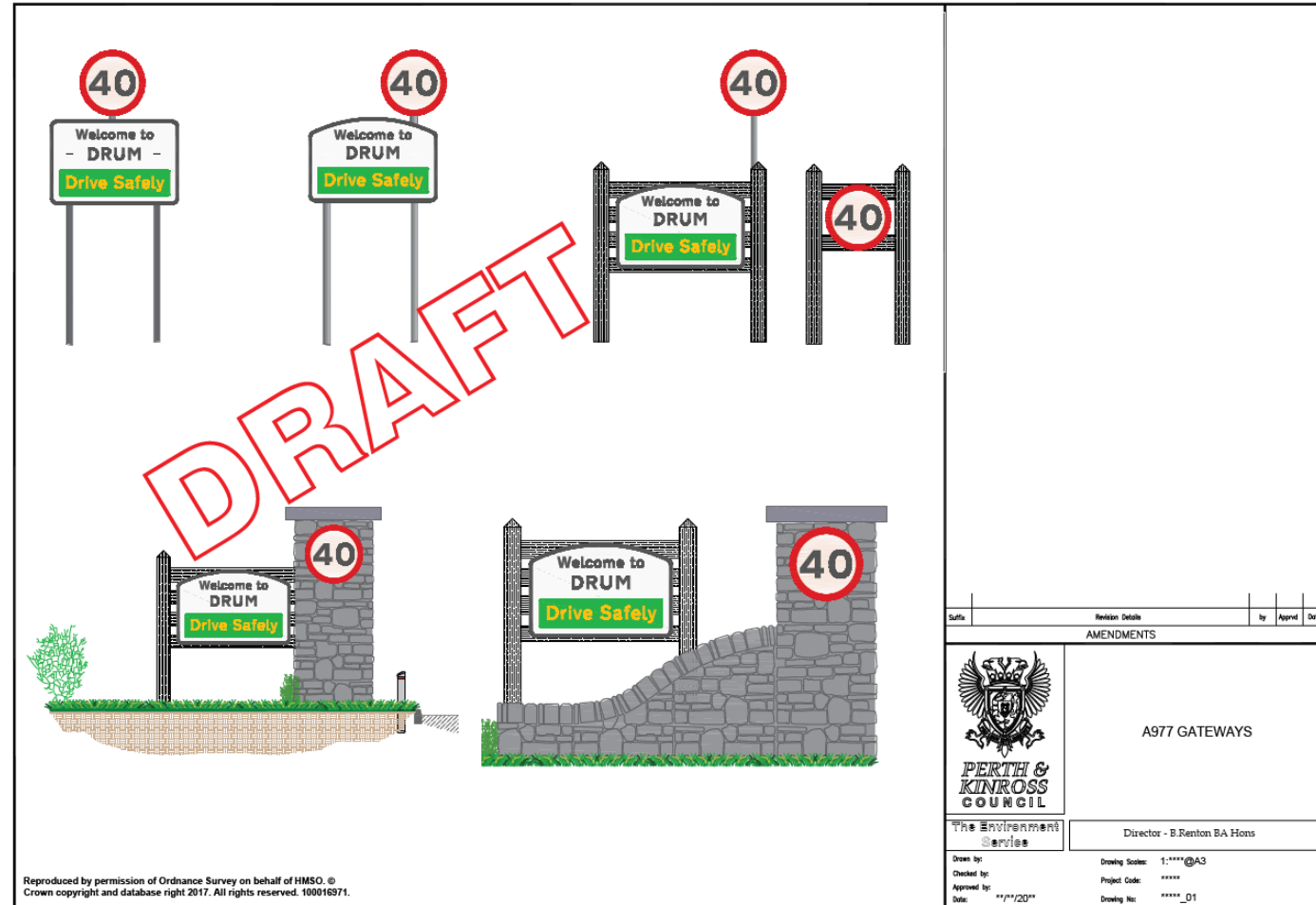
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Gateway Features

- Various options being considered
- Potentially new signage



Estimated cost: £39k



Other options considered

- Chicanes – Need to accommodate long vehicles, less effective for short vehicles
- Speed Humps – Need a series of speed humps to reduce vehicle speeds. Potential noise and vibration for nearby properties. May cause vehicles to divert onto other routes.
- Speed Cushions – Cars can drive faster over speed cushions, than speed humps or speed tables. Can be avoided by cyclists
- Road Narrowing – Not as effective as vertical treatments, management of water drainage can be costly. Narrowing is not recommended on routes with heavy goods vehicles

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Proposals – Major Works

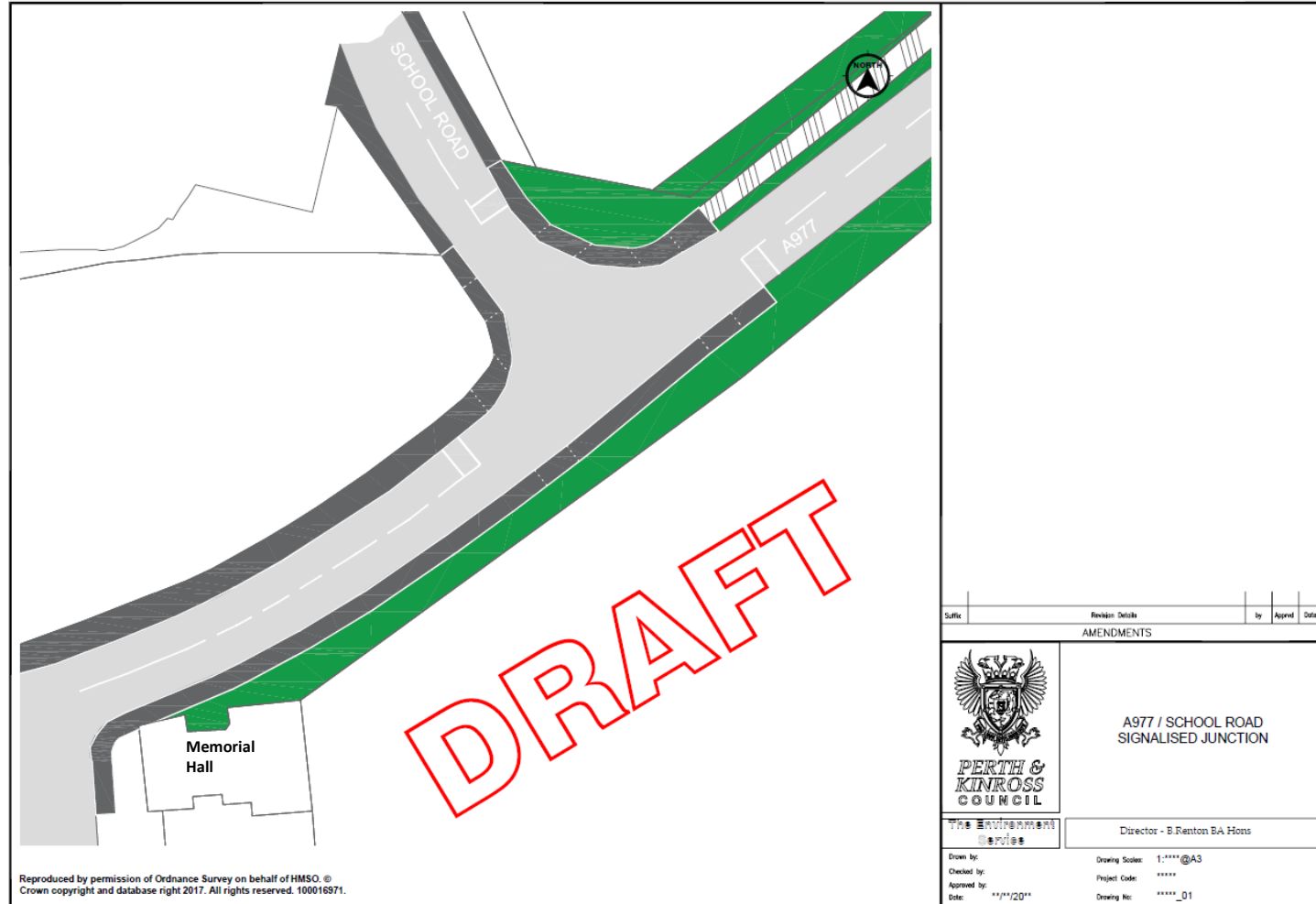
- A977 / School Road junction
- A977 / B9097 junction
- A977 / Drum crossroads
- A977 / Saline Road, Blairingone

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Proposals – A977 / School Road Junction

- Signalisation of the junction
- Create a footway on the south side of the road – subject to utility searches
- Provides an opportunity to promote the Park & Stride at the Memorial Hall
- Pencil bollards

Estimated cost: £115k



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Examples of Pencil Bollards



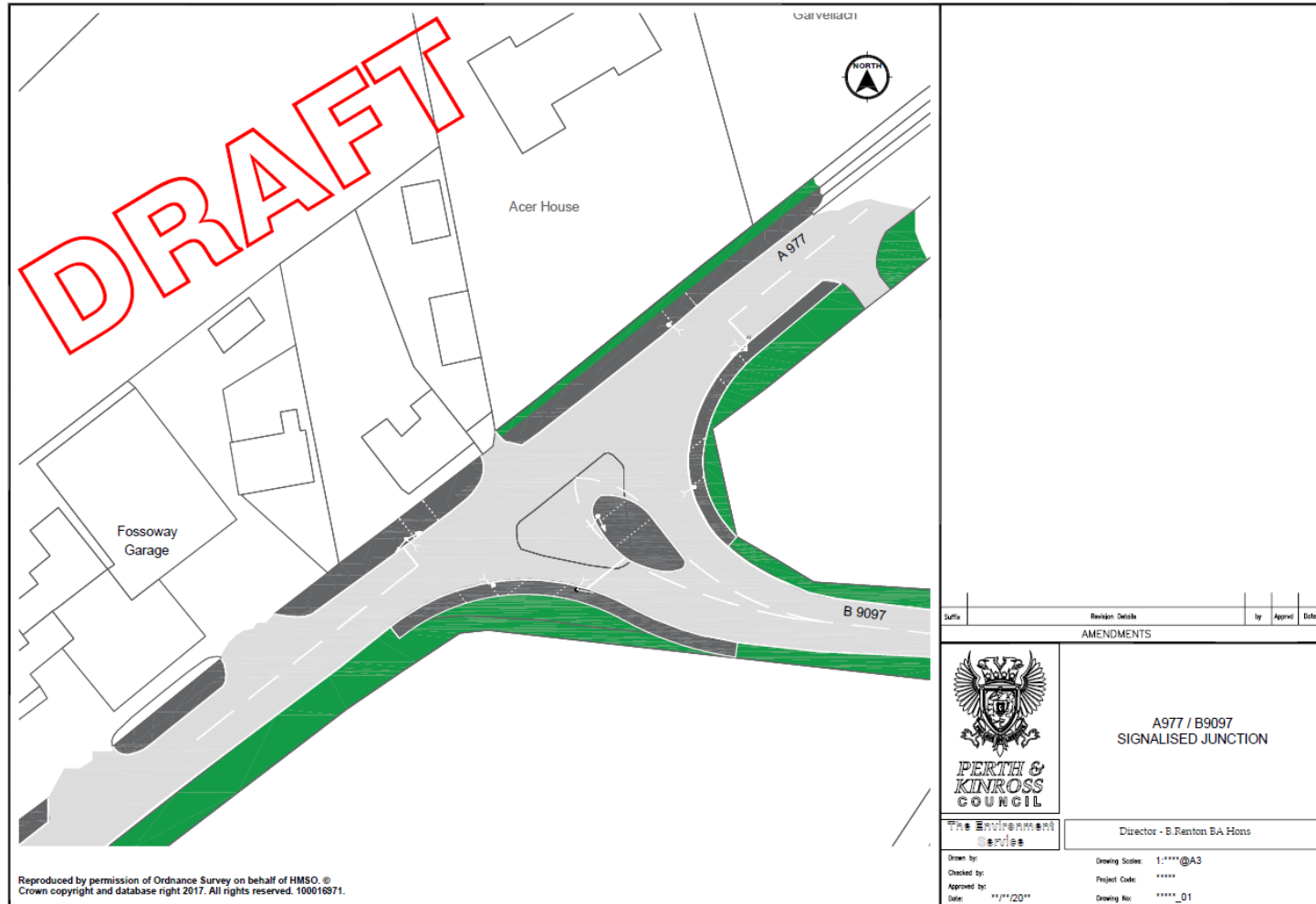
Estimated cost: £4.9k

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Proposals – A977 / B9097 Junction – Option 1

- Signalisation of the junction
- Improved footway provision

Estimated cost: £160k

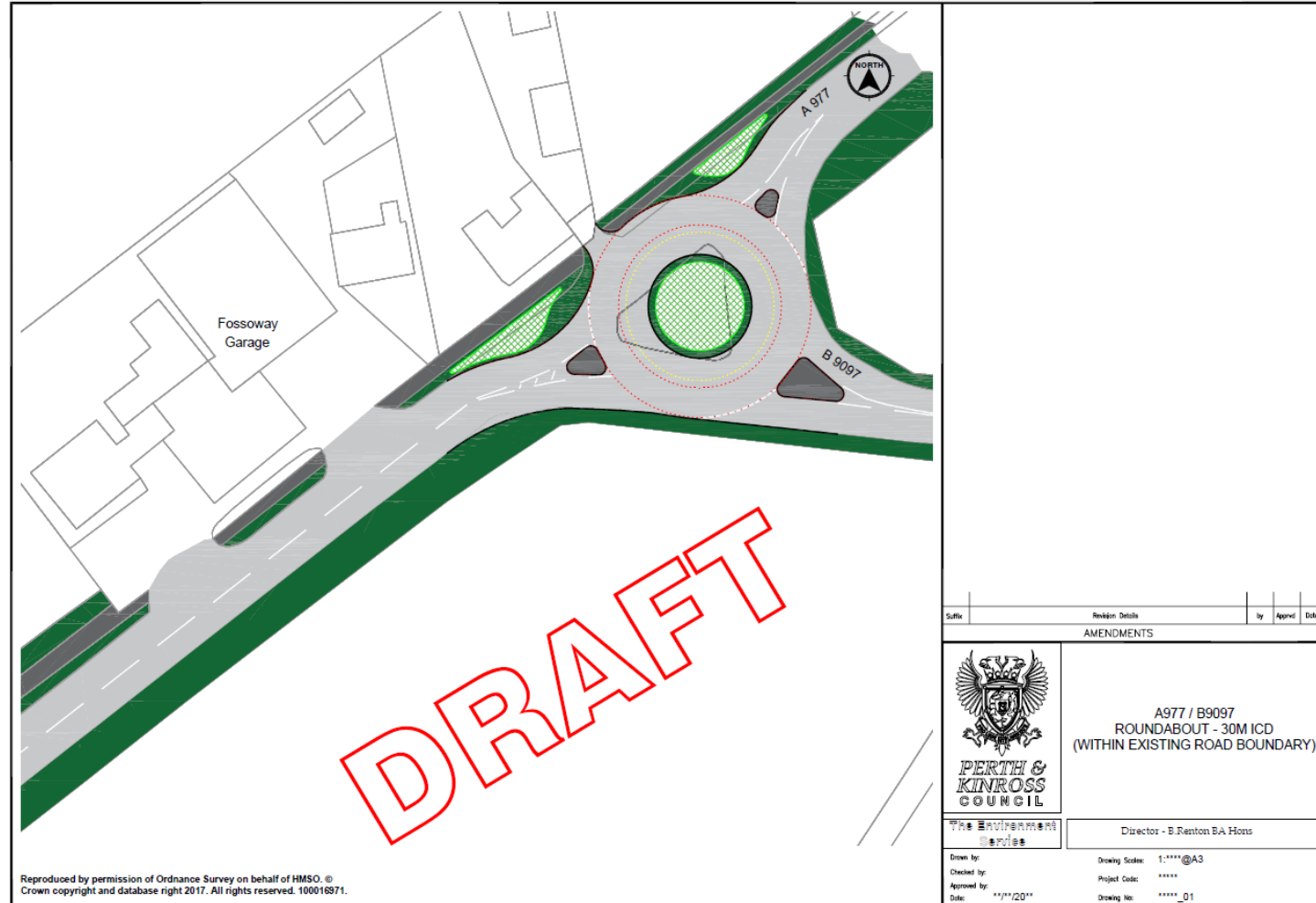


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Proposals – A977 / B9097 Junction – Option 2

- Creation of roundabout
- Uses the land available to Perth & Kinross Council

Estimated cost: £97k



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Proposals – A977 / B9097 Junction – Option 3

- Realignment of Junction to create a TOTSO (Turn **O**ff **T**o **S**tay **O**n)
- Footway provision within the scheme

Estimated cost: £70k

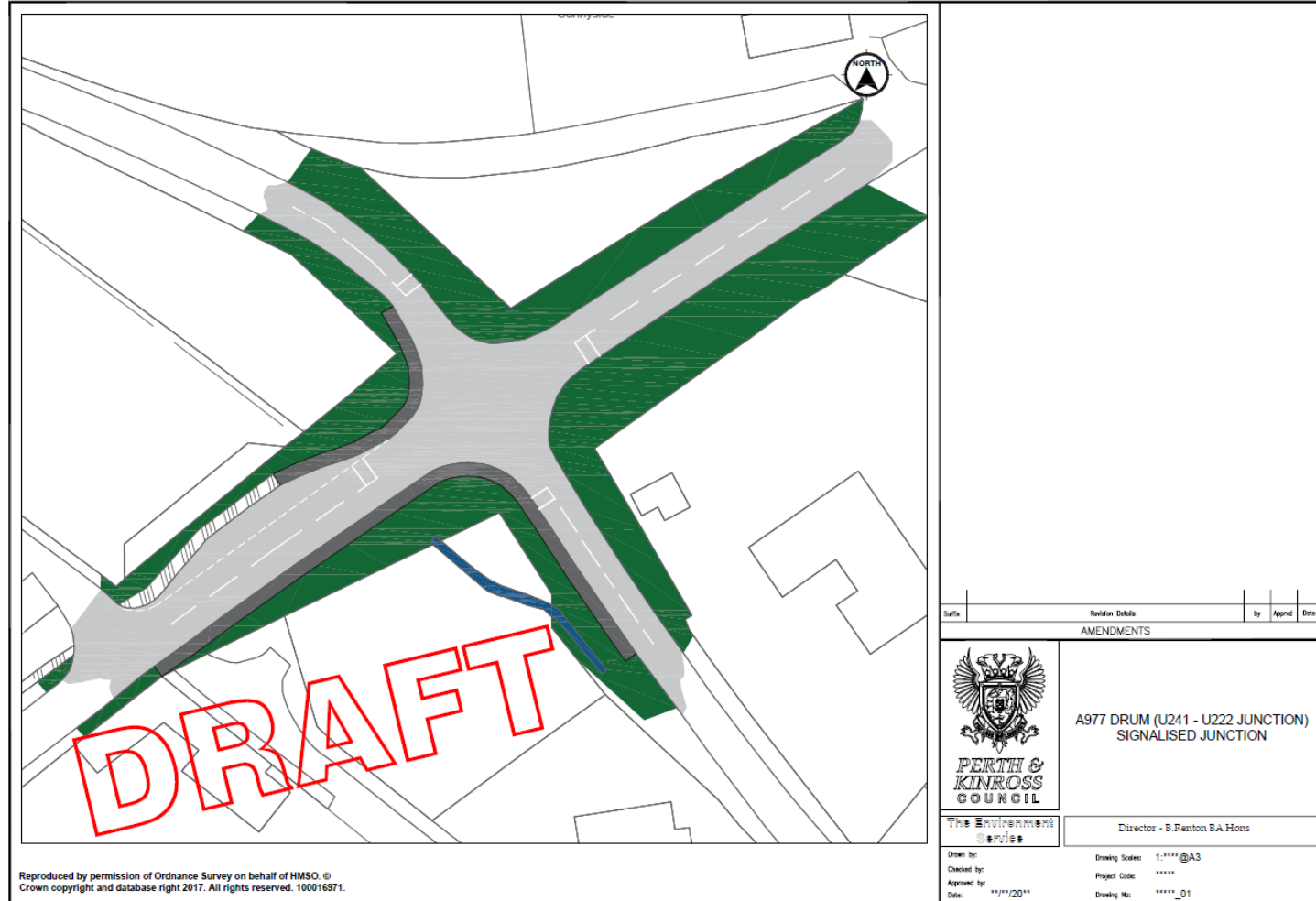


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Proposals – Drum Crossroads

- Signalisation of the junction
- Provide footway provision to the west of the junction
- Links Drum village with the Green Route to the north
- Improve the signage at the junction

Estimated cost: £155k

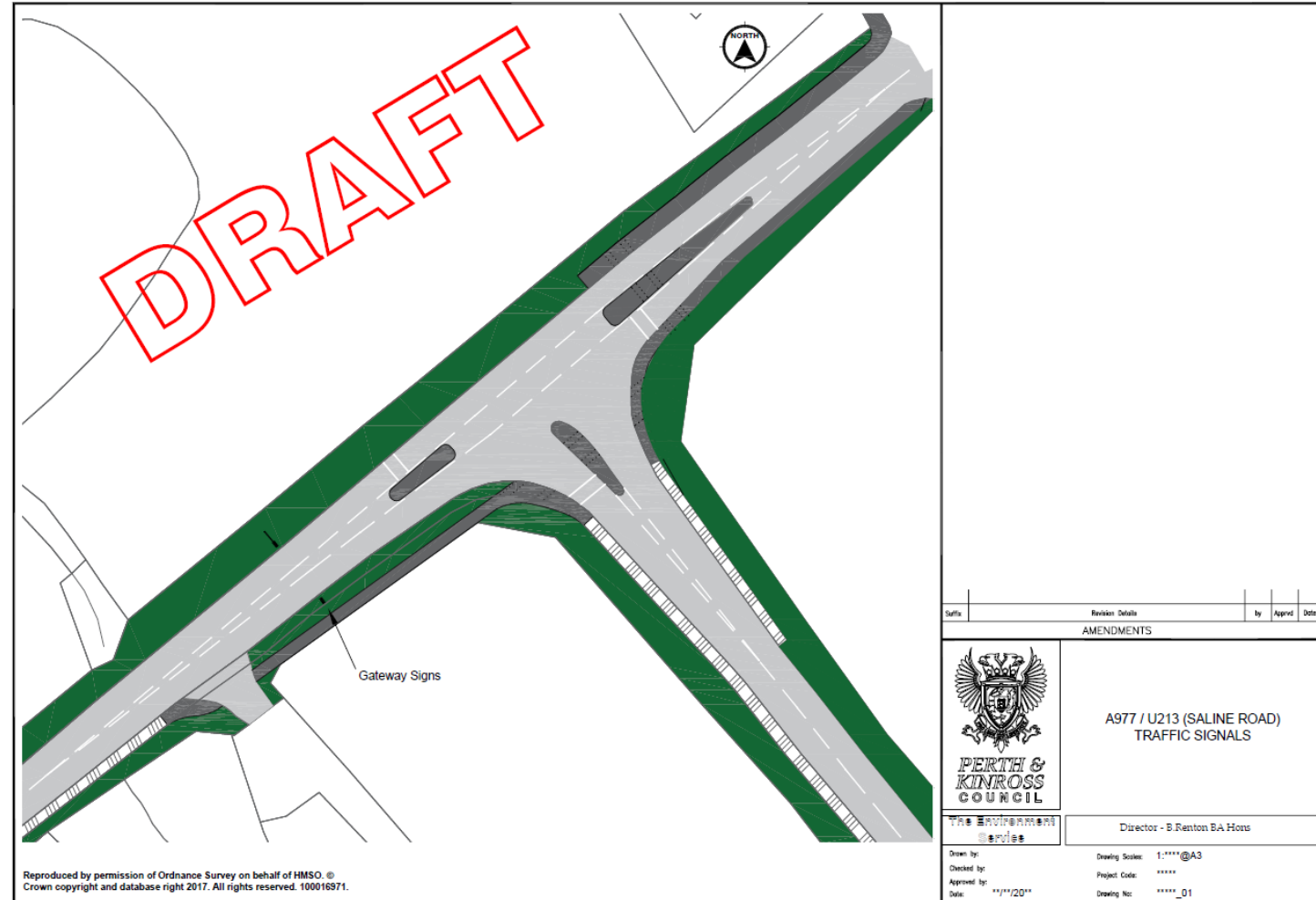


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Proposals – A977 / Saline Junction, Blairingone – Option 1

- Signalisation of the junction
- Create a footway on the north side of A977

Estimated cost: £135k

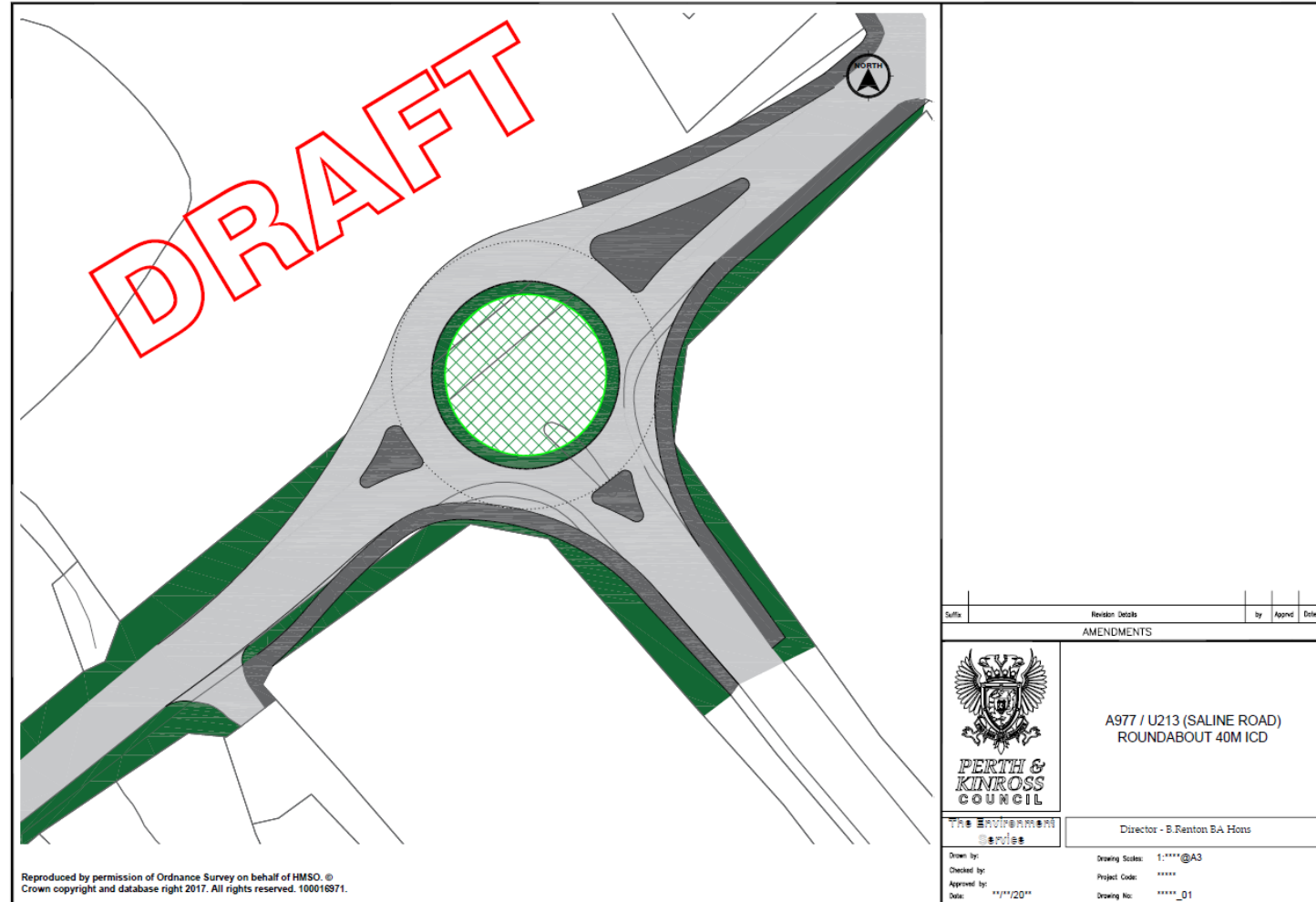


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Proposals – A977 / Saline Junction, Blairingone – Option 2

- Creation of roundabout
- Create a footway on the north side of A977

Estimated cost: £230k



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Estimated Costs for Softer Measures

Proposed Works	
Softer Measures	Estimated Cost
Signing and Bollard Strategy for the A977	£ 40,900.00
Replacement of the Vehicle Activated Signs	£ 28,200.00
Upgrade of the Turning Vehicles Signs to include vehicle monitoring	£ 38,500.00
Speed Classification Detectors	£ 99,700.00
Shaped Warning Signs	£ 8,300.00
Installation of Automatic Traffic Counters	£ 14,800.00
Road Markings at Blairingone Primary School	£ 500.00
Removal of the road widening at the B918 for turning right.	£ 10,000.00
Pencil Bollards - Quantity of 12 Bollards	£ 4,900.00
Solar Studs	£ 15,300.00
Road Markings	£ 16,600.00
Gateway Features	£ 39,000.00

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Estimated Costs for Major Works

Proposed Works	
Major Works	Estimated Cost
A977 / School Road in Crook of Devon - Signalisation	£ 115,000.00
A977 / B9097 - Realignment	£ 70,000.00
A977 / B9097 - Signalisation	£ 160,000.00
A977 / B9097 - Roundabout	£ 97,000.00
A977 / Drum Crossroads - Signalisation	£ 155,000.00
A977 / Saline Road in Blairingone - Signalisation	£ 135,000.00
A977 / Saline Road in Blairingone - Roundabout	£ 230,000.00

Project Progression

- Public Consultation with communities along the A977
- The major works construction to be complete by end of 2018/2019 financial year
- Works will be phased where possible to ensure that disruption is minimised

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Two events are planned and will take place on:

- Saturday 10 March 2018 10:00 to 12:00 noon
- Tuesday 13 March 2018 15:15 to 18:45

Please come along to one of the events planned to meet with our project officers to discuss the project and give comments about the mitigation measures proposed.



Comhairle Pheairt
is Cheann Rois