



Scotland's Transport

Roy Brannen

Director, Transport Scotland

UK First Delegate





Key Priorities



Above Construction works at Mollinsburn Junction, a major interchange on the M80 Stepps to Haggs Project (© Crown copyright)

roads

and road maintenance

rail

and rail services

**ferries,
aviation**

and freight

environment

and finance

**travel
services**

and safety

1. Sustainable growth & recovery
2. Transition to low carbon economy
3. Delivering best value public services



Growth Sectors

Sustainable Transport and Low Carbon Vehicle Technologies



Keith Brown visits Wardie Primary School, Edinburgh ("I-Bike" programme)



Electric Vehicles at Knockhill Race Track



Keith Brown on fact finding visit to The Netherlands



Launch of Car Club in Haddington



Launch of the introduction of 15 low carbon buses in Edinburgh (Scottish Green Bus Fund)

Aviation, Maritime and Canals



Twin Otter aircraft landing on Traigh Mhor beach on Barra



Launch of the hybrid MV Hallaig

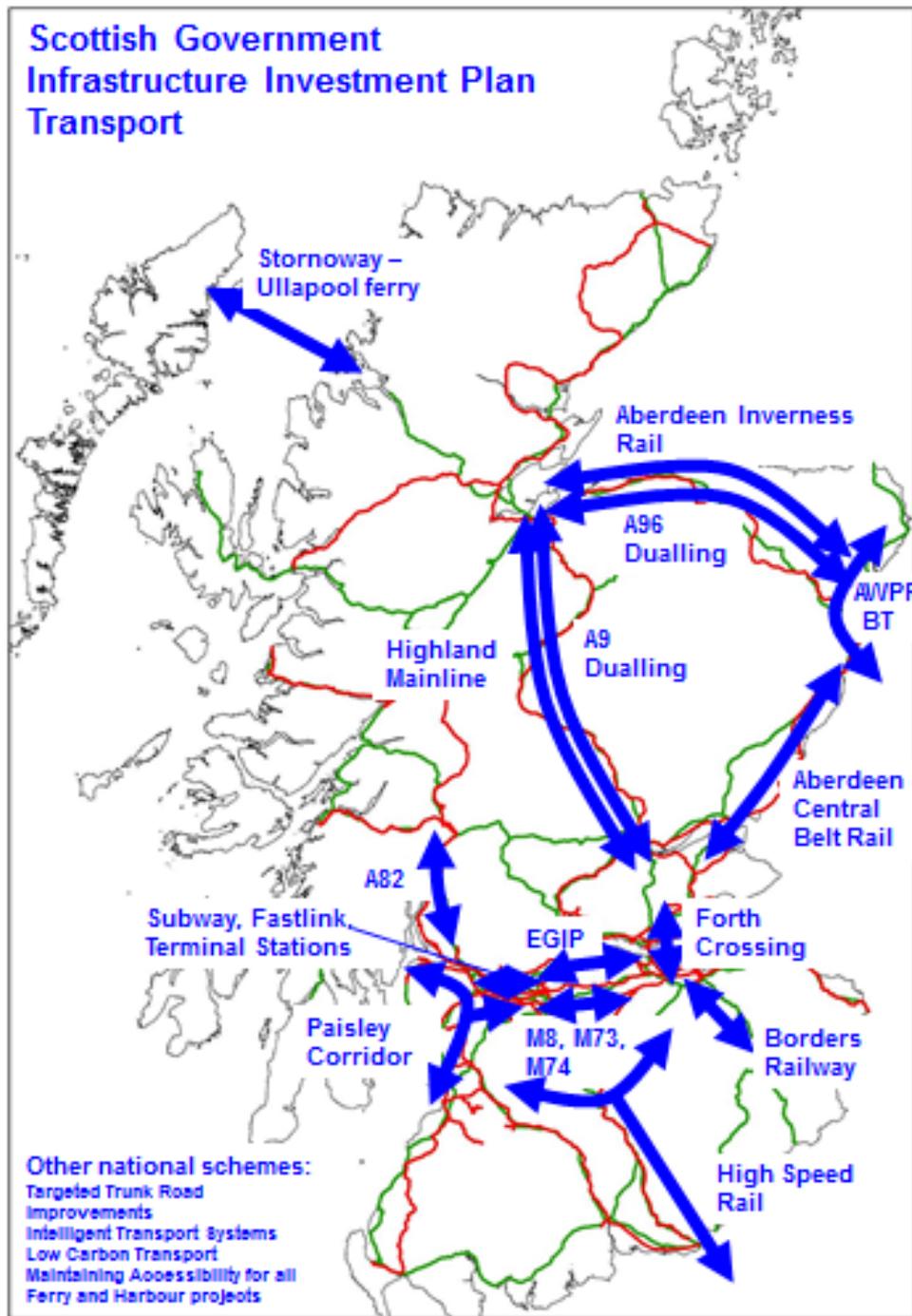


Helix Project - image of proposed new stretch of canal and two giant "kelpie" structures



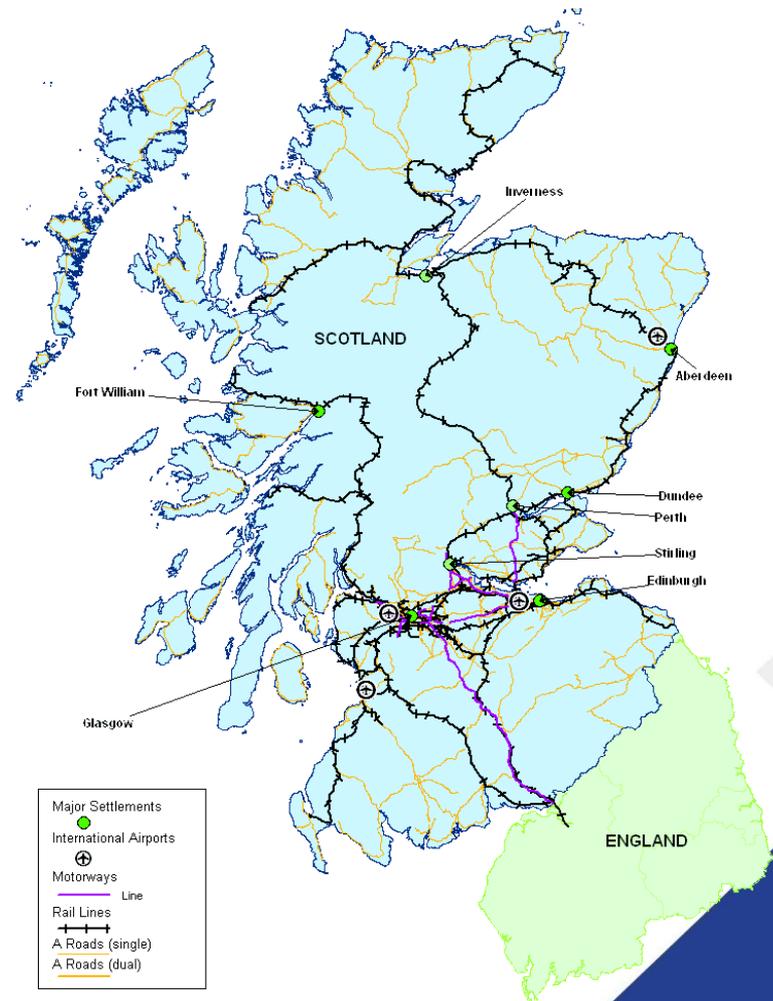
Image of the new Stornoway-Ullapool ferry due to enter service in summer 2014

A story of Ambition



Scottish Rail Network

- 2,759 route km (11% of GB Railway)
- 25% electrified
- 357 stations
- 83m passenger journeys (per annum)
- 92% PPM
- 90% satisfaction



Investing in our Railways

Keith Brown at the re-opening of Conon Bridge Rail Station



New class 380 train on Edinburgh/North Berwick route



Haymarket Station re-development





TRANSPORT
SCOTLAND

Borders Rail



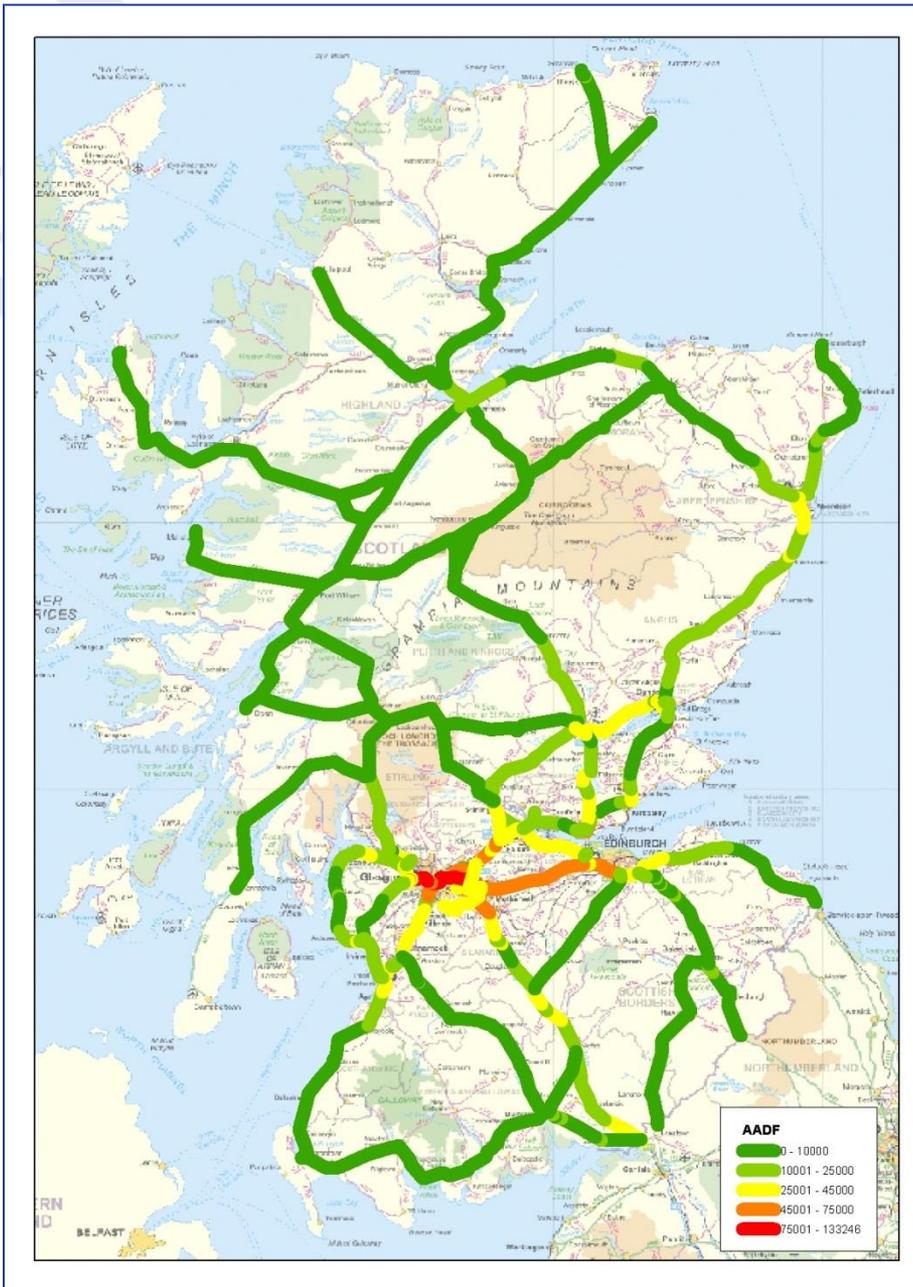
Keith Brown at the launch of the start of major earthworks in April



Monktonhall mining remediation works



**TRANSPORT
SCOTLAND**



- **Population** 5,254,800
- **Area** 78,772 sq km
- **GVA** £105,590 million
- Trunk Road** 3,530 km
- **6% of total Scottish road network**
- **37% of all traffic**
- **63% of all HGV traffic**
- **1,900 bridges**
- **4,100 other structures**
- **Valued at +£18bn**

- **Motorways** 557 km (16%)
- **A roads Dual** 524 km (15%)
- **A roads Single** 2449 km (69%)
- **Local Roads** 52,238 km

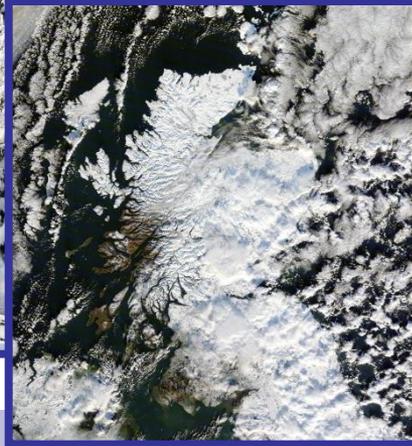
- **Freight lifted by road in 2010 - 132m tonnes**



Maintenance



Maintenance Challenges



TRANSPORT
SCOTLAND



winter challenge





Operations



Operations



1

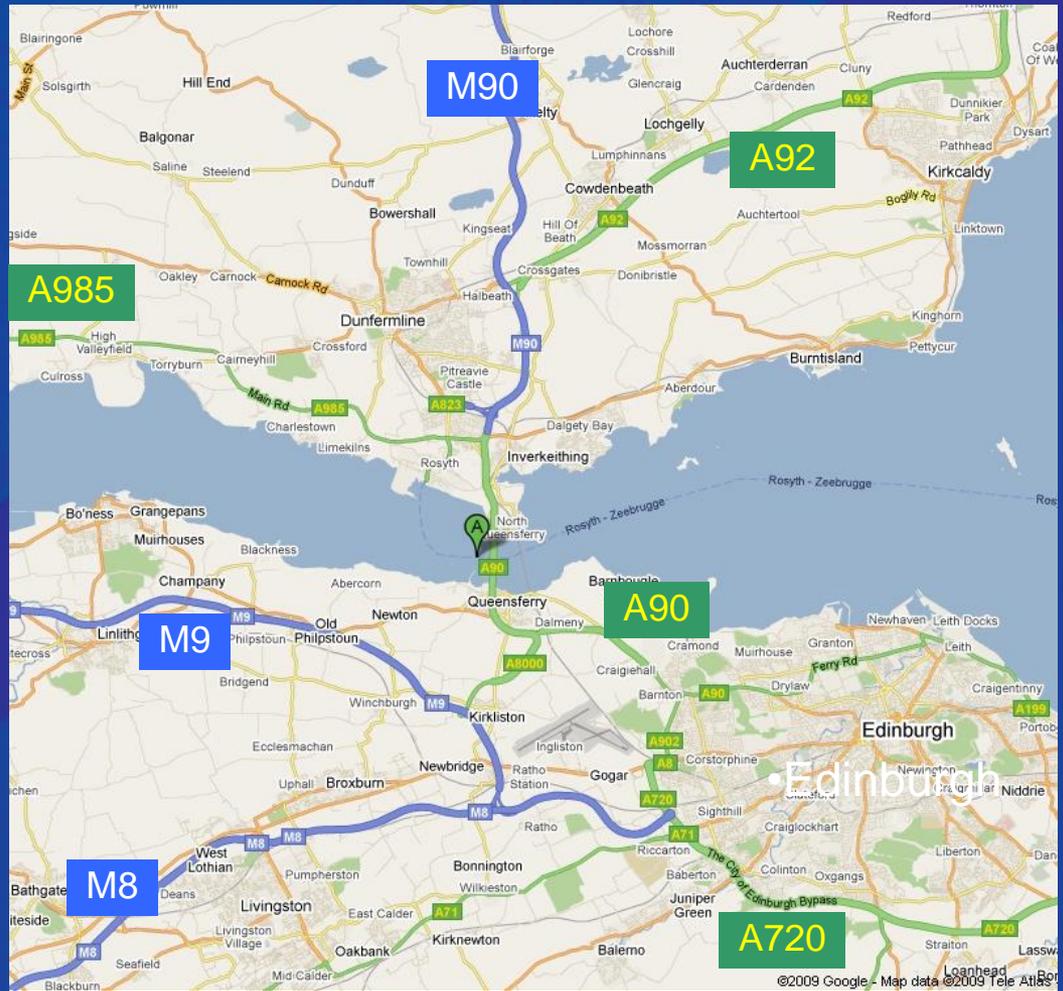
A 985
Kincardine Br
A 921
Inverkeithing

B 981
P of Rosyth
N Q'ferry

Edinburgh A 90

Asset Utilisation

Forth Bridges - Location



HÖCHTIEF Solutions
American Bridge International
DRAGADOS
Morrison Construction

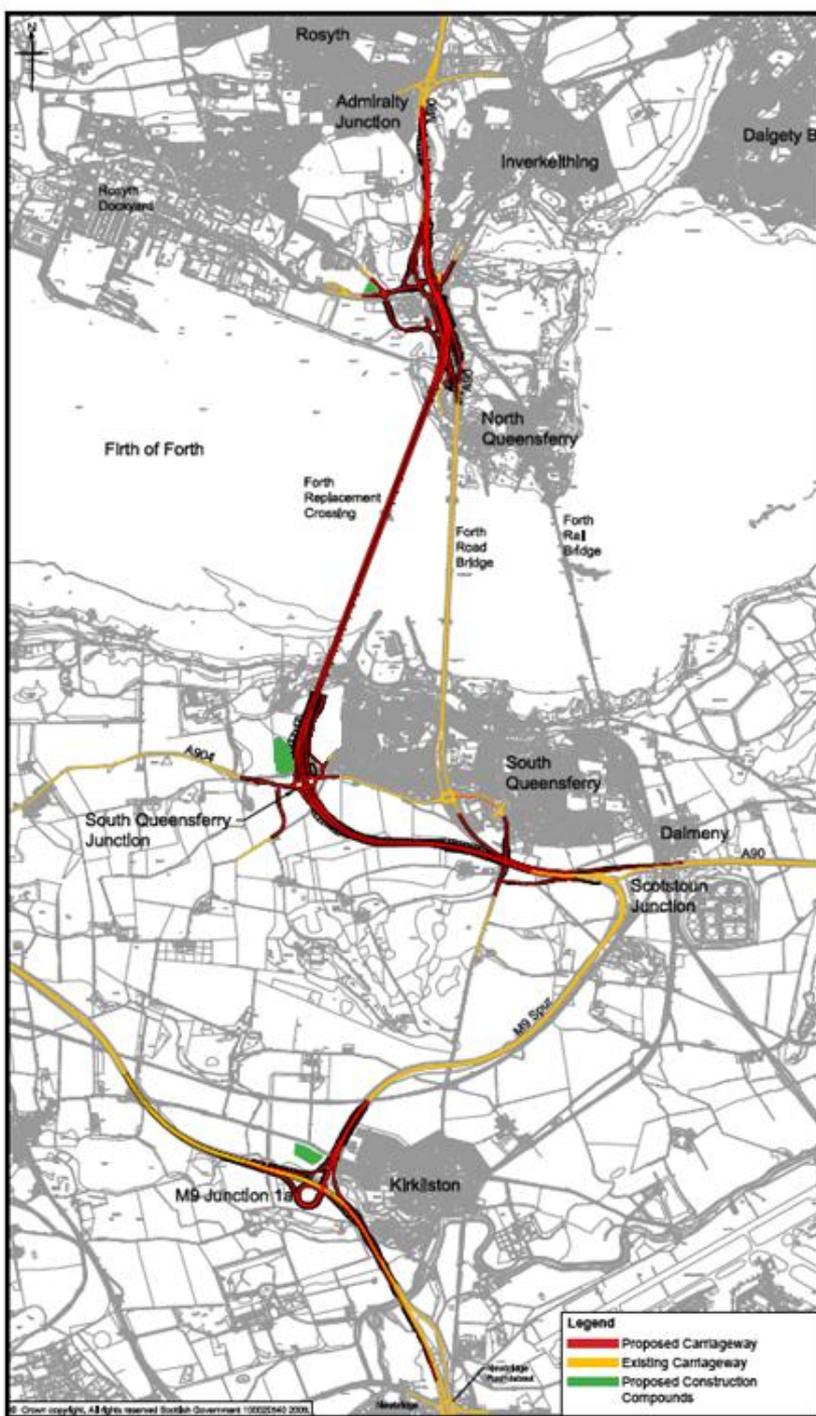


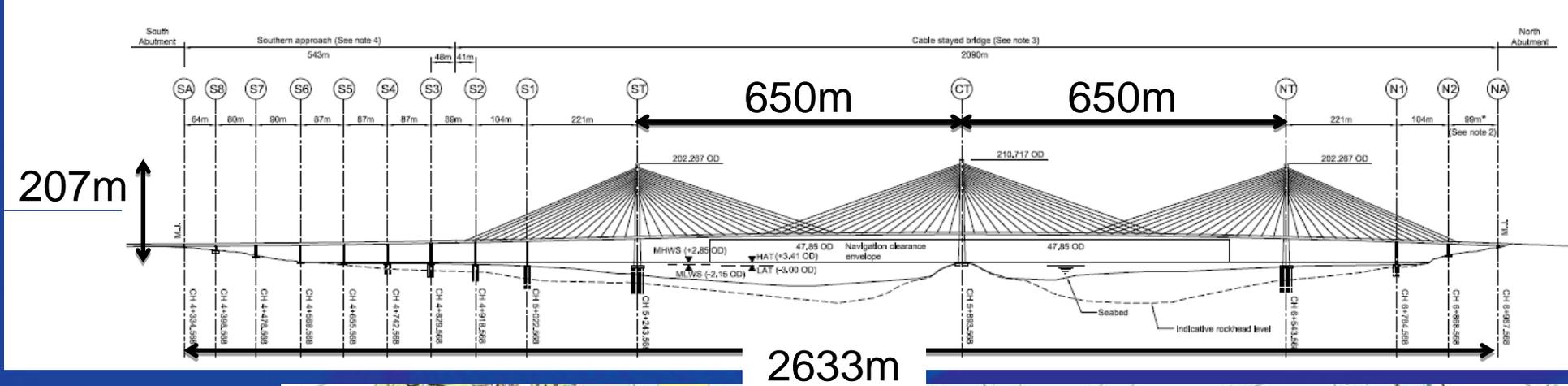


Forth Bridges



Forth Replacement Crossing – Route Corridor



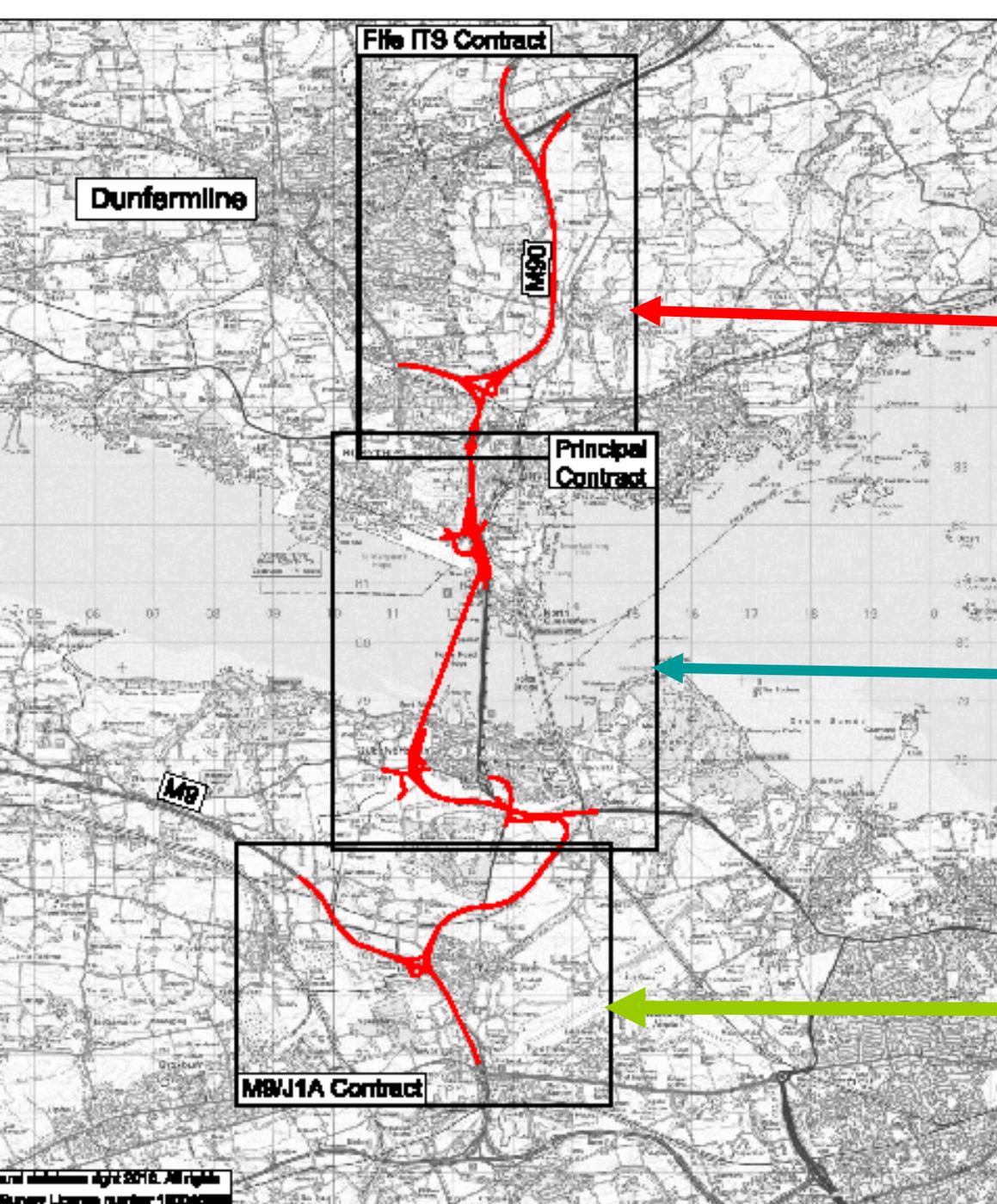


Cable Stayed Bridge





Forth Replacement Crossing - Contracts



Fife ITS Awarded June 2011 to John Graham (Dromore) Ltd £13m
Opened 4 Dec 2012

Principal Contract Awarded April 2011 to FCBC £790m
Opening 2016

M9 Junction 1a - Awarded July 2011 Sisk / Roadbridge £26m
Opened 1 Feb 2013

Project Timetable

- Aug 2006 – Forth Replacement Crossing Study starts
- Jan 2008 – Project design & development starts
- Nov 2010 – Bill introduced to Parliament
- Dec 2010 – Principal Contract Tender begins
- Jan 2011 – Royal Assent – Forth Crossing Act
- April 2011 – Principal Contract Award
- Summer 2011 – Fife ITS & M9J1A Contract Awards
- Summer 2011 – Site works commenced
- Autumn 2011 – CEC Contract Award & Start Construct
- Dec 2012 – Fife ITS Operational
- Jan 2013 – CEC opens
- Feb 2013 – M9 J1A Opens
- Dec 2016 – Project completes

Intelligent Transport Systems (ITS) – Managed Motorways

- Success on English Network
- Extends from Halbeath to Newbridge - 22km
- Variable mandatory speed limits : 70mph to 30mph
- Ramp metering
- Aims to keep traffic moving steadily
- Reducing congestion – therefore emissions
- Improves safety



Highways Agency - ATM on M42



ITS - Intelligent Transport Systems & Public Transport Delivery Strategy

Includes:

- Bus hard shoulder running
- Ramp metering
- Ferrytoll P&R enhancement

Plus: Halbeath P&R by Fife Council

Legend

Extent of managed motorway

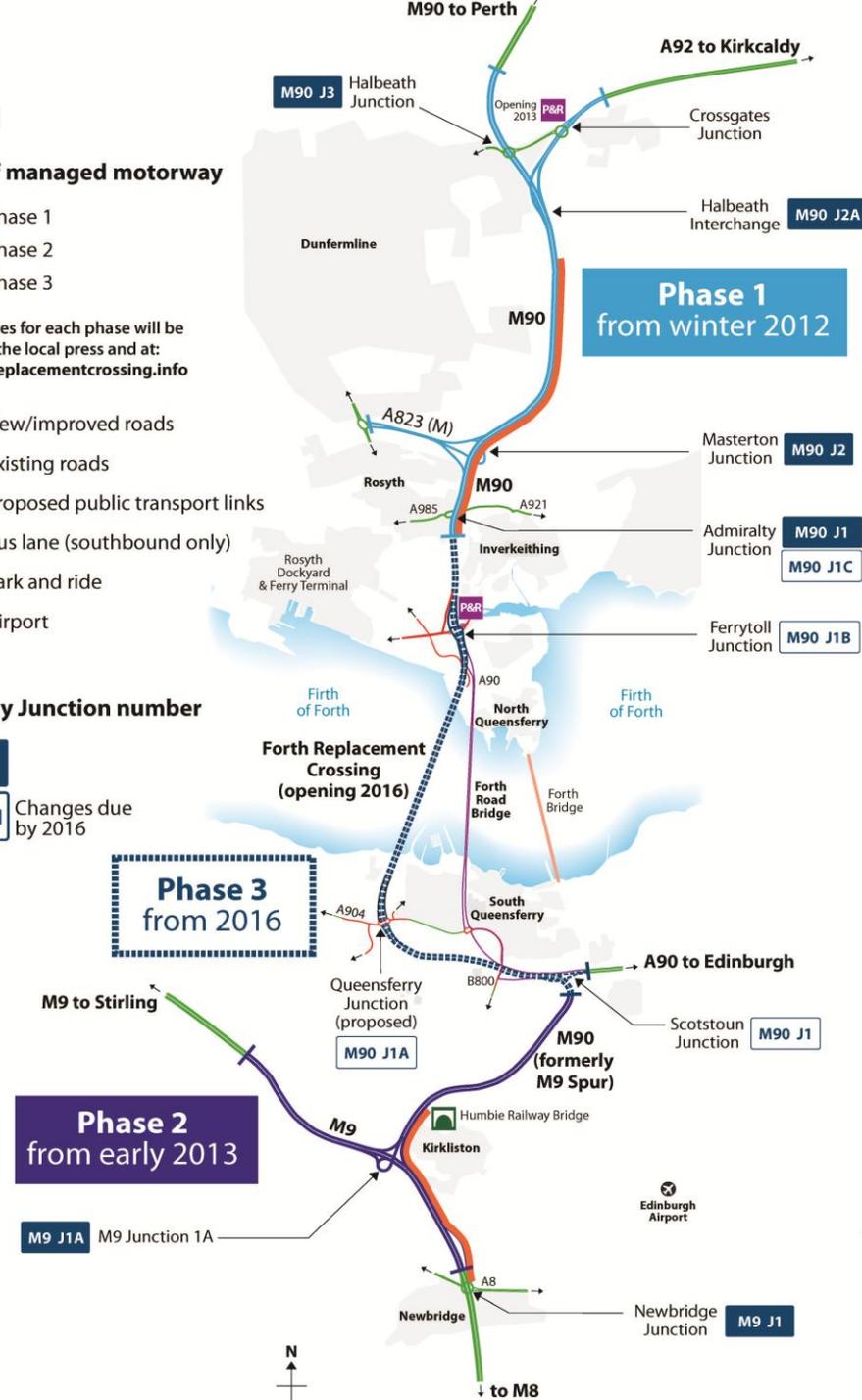
- Phase 1
- Phase 2
- Phase 3

Opening dates for each phase will be provided in the local press and at: www.forthreplacementcrossing.info

- New/improved roads
- Existing roads
- Proposed public transport links
- Bus lane (southbound only)
- P&R Park and ride
- Airport

Motorway Junction number

- Existing
- Projected Changes due by 2016



26 June 2013 - Over 35,000 votes!!

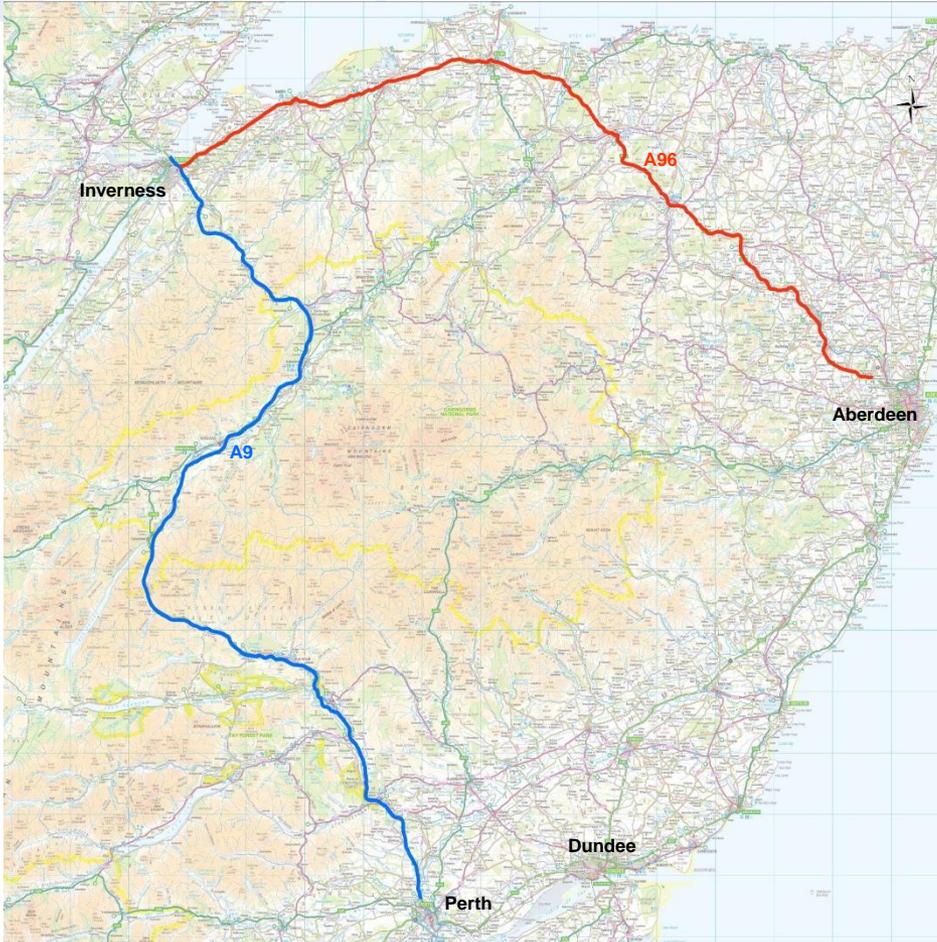






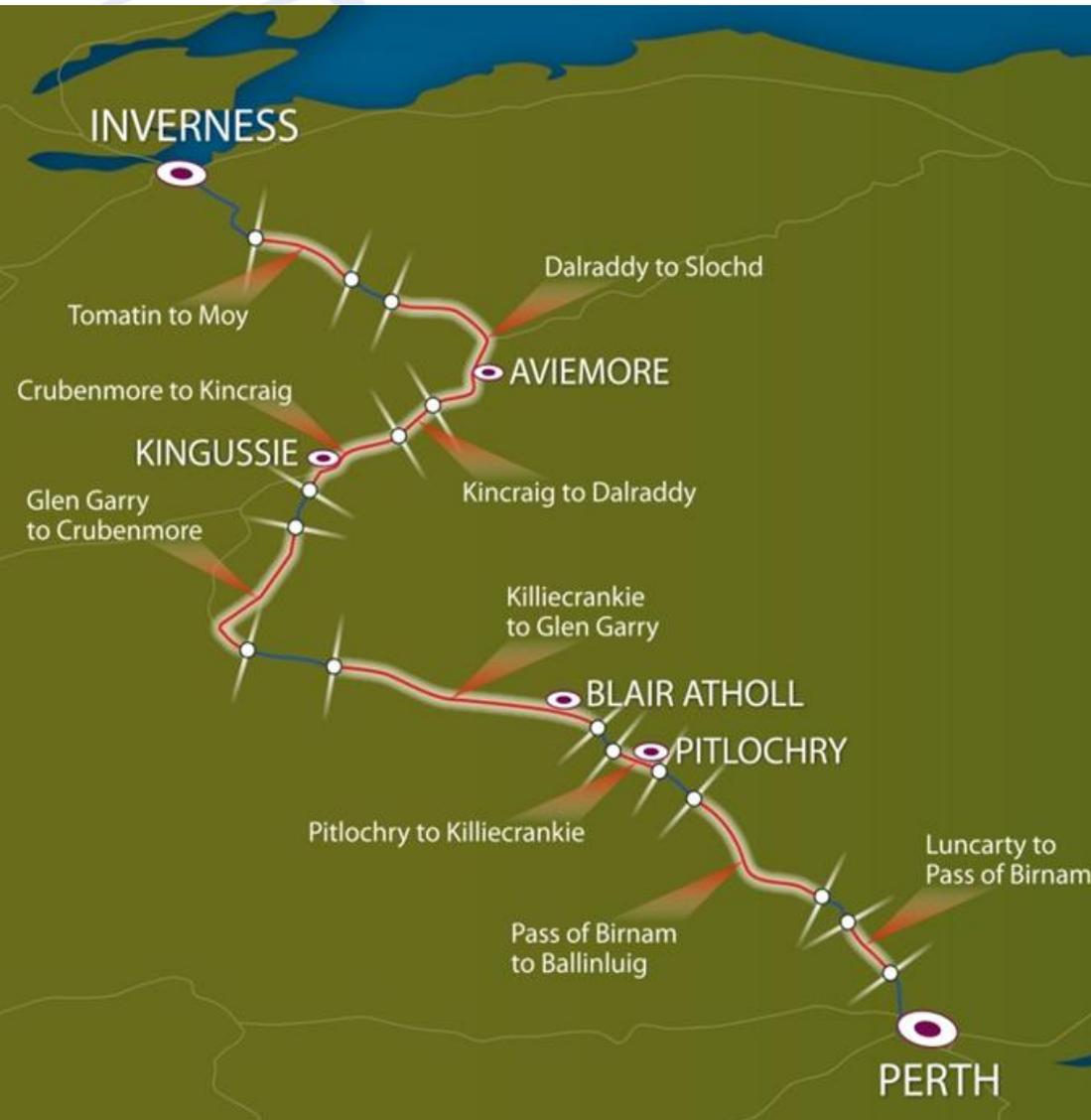


A9 and A96 Dualling



- STPR published in 2008
 - Transport Investment for next 20 years
 - Dualling of A9 between Perth and Inverness
- IIP published in 2011
 - Detailed plans up to 2030
 - A9 and A96 to be dualled by 2025 and 2030 respectively
 - Connecting all Scottish cities by dual carriageway

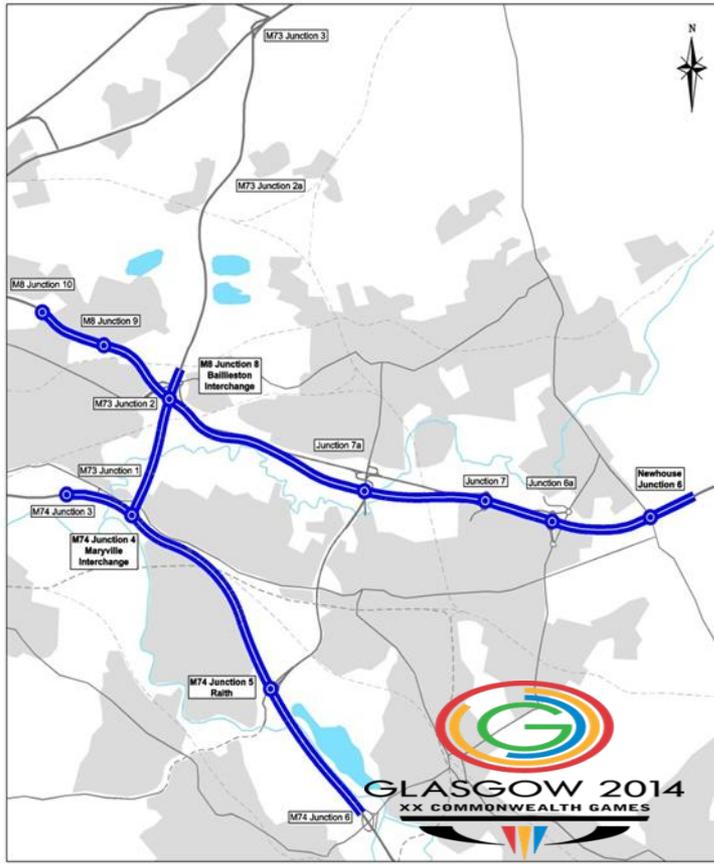
A9 Upgrade



John Swinney visiting Ground Investigation works along the A9 Luncarty to Pass of Birnam stretch

Aberdeen Western Peripheral Route

M8 M73 M74 Motorway Improvements





**TRANSPORT
SCOTLAND**



SCOTLAND'S GETTING READY FOR 2014.



GLENEAGLE
SCOTLAND 2014



QUEEN'S BATON RELAY

71 NATIONS AND TERRITORIES. 190,000 KM. 288 DAYS.

Queen's Baton Relay

Queen's Baton Relay Video

Facts



TIMELINE

THE MOST ENGAGING RELAY

JOURNEY OF THE BATON

190,000 KILOMETRES

71 NATIONS AND TERRITORIES

JOIN THE COMMONWEALTH CLAN



Homecoming
Scotland

2014

homecomingscotland.com

Founded in 1908
as Permanent International
Association of Road
Congresses (PIARC)

Non-political, non-profit
Association with
consultative status to the
United Nations

120 member countries
36 National Committees

KNOWLEDGE ACQUISITION AND SHARING

COMMUNICATION AND DISSEMINATION KNOW-HOW

www.piarc.org

WORLD ROAD ASSOCIATION

Exchanging knowledge and techniques
on roads and road transportation



18 TECHNICAL COMMITTEES

- More than 800 experts and decision-makers from the member countries of the Association.
- Identify best practice and the role of the international transportation system; share experiences and knowledge through 4 Strategic Themes.
- Work program reviewed and redefined every 4 years.

ST 1 MANAGEMENT AND PERFORMANCE

- TC 1.1 Performance of Transport Administrations
- TC 1.2 Financing of Road System
- TC 1.3 Climate Change and Sustainability
- TC 1.4 Road Transport System Economics and Social Development
- TC 1.5 Risk Management

ST 2 ACCESS AND MOBILITY

- TC 2.1 Road Network Operations
- TC 2.2 Improved Mobility in Urban Areas
- TC 2.3 Freight Transport
- TC 2.4 Winter Service
- TC 2.5 Rural Road Systems and Accessibility to Rural Areas

ST 3 SAFETY

- TC 3.1 National Road Safety Policies and Programmes
- TC 3.2 Design and Operations of Safer Road Infrastructure
- TC 3.3 Road Tunnels Operations
- Task Force: TF1 Road Safety Manual - TF2 Security

ST 4 INFRASTRUCTURE

- TC 4.1 Management of Road Assets
- TC 4.2 Road Pavements
- TC 4.3 Road Bridges
- TC 4.4 Earthworks and Unpaved Roads

Committee on **TERMINOLOGY**

INTERNATIONAL SEMINARS

- > Encourage knowledge transfer and exchange at the regional level in developing countries and countries in transition.
- > Organized jointly with the host country and the Technical Committees.

NATIONAL COMMITTEES

- > Regional forum for the road and road transport community.
- > Conduct activities on behalf of the Association and disseminate information in the country.
- > Trilingual Information Newsletter (English - French - Spanish)



WORLD ROAD CONGRESS

Held every 4 years since 1908
for exchange on policies,
approaches and techniques
worldwide.

XXVth Congress - SEOUL
2 - 6 November 2015

INTERNATIONAL WINTER ROAD CONGRESS

Andorra
2014
APCI - PAK

Held every 4 years to exchange information on
management and operational practice in winter
conditions.

XVth Congress - ANDORRA
4 - 7 February 2014

www.piarc.org

Technical Committees' REPORTS

Road Safety Manual
Road Networks Manual
Road Networks Operations and
ITS Manual



▶ **ROUTES/ROADS**, the quarterly and bilingual PIARC magazine
(English - French); information, news and features

SOFTWARE

ORAM - A Quantitative Risk Assessment Model (ORAM) to evaluate
the risks of dangerous goods transport through road tunnels.
Already applied to a wide range of tunnels
in several countries.

HDM-4 - Software system for investigating
choices in investing in road transport
infrastructure.

▶ TERMINOLOGY

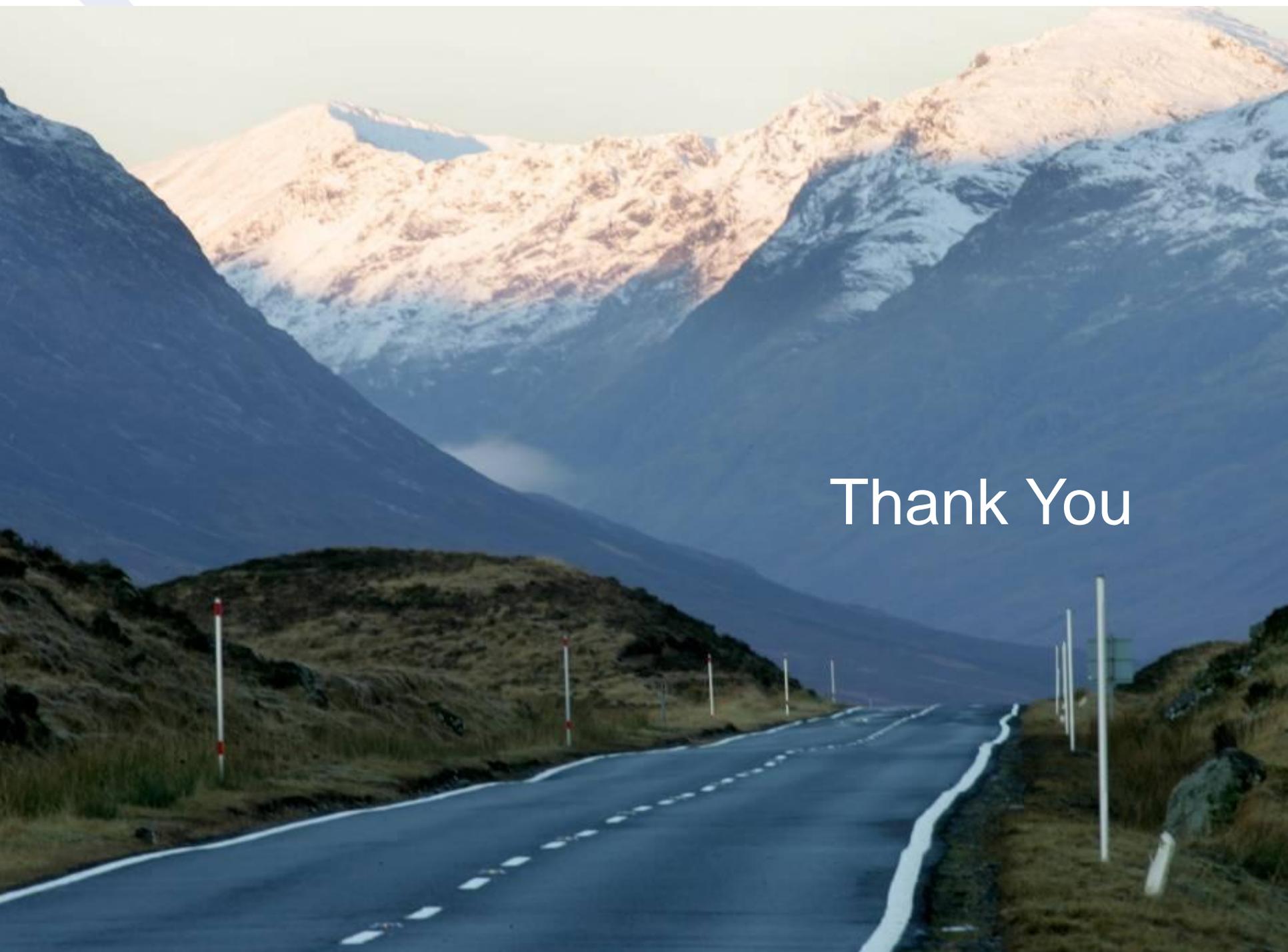
A range of multilingual and technical
dictionaries and lexicons.
Online at: [http://www.piarc.org/en/
Terminology-Dictionaries-Road-
Transport-Road/](http://www.piarc.org/en/Terminology-Dictionaries-Road-Transport-Road/)

BECOME A MEMBER

The World Road Association welcomes
4 categories of members: Governments,
Regional authorities, Collective
members, individual members.

Contact us via the website
www.piarc.org and info@piarc.org
or by direct request through your
country's National Committee.

La Grande Arche - Paris Nord - N°1042 - 92055 La Défense Cedex - France - Tél: +33 1 47 96 81 21 - Fax: +33 1 49 00 02 02

A scenic landscape featuring a paved road with white dashed lines and solid edges, winding through a valley. The road is flanked by grassy hillsides and several white roadside markers. In the background, majestic mountains with snow-capped peaks rise against a clear sky. The text "Thank You" is overlaid in white on the right side of the image.

Thank You