

Industry Day



WELCOME

Graham Porteous

Project Owner
Transport Scotland

Industry Day



- Welcome
- Introductions
- Session

Industry Day



Keith Brown

Cabinet Secretary for Economy,
Jobs & Fair Work

Industry Day



Scheme Overview

Alan Gillies

Jacobs UK

Scheme Location



- 80 Miles (129 km) of dual carriageway
- 11 sections in £3bn programme
- Completion by 2025



Scheme Background



- STPR examined the feasibility of the A9 Dualling in 2009
- The IIP issued in 2011 included a commitment to deliver a dual carriageway between Perth and Inverness by 2025
- Jacobs were appointed in 2012 to confirm the preferred route and undertake a DMRB Stage 3 Assessment

Scheme Background



- Stage 3 ES and Draft Orders were published in March 2014
- PLI in June 2015 with the Ministerial Decision in March 2016
- Made Orders were published in December 2016

Scheme Objectives



- Improve the operational performance and level of service by:
 - reducing journey times
 - improving journey time reliability;
- Improve safety for motorised and non-motorised users by:
 - reducing accident severity
 - reducing driver stress
- Facilitate Active Travel in the corridor;



Scheme Objectives

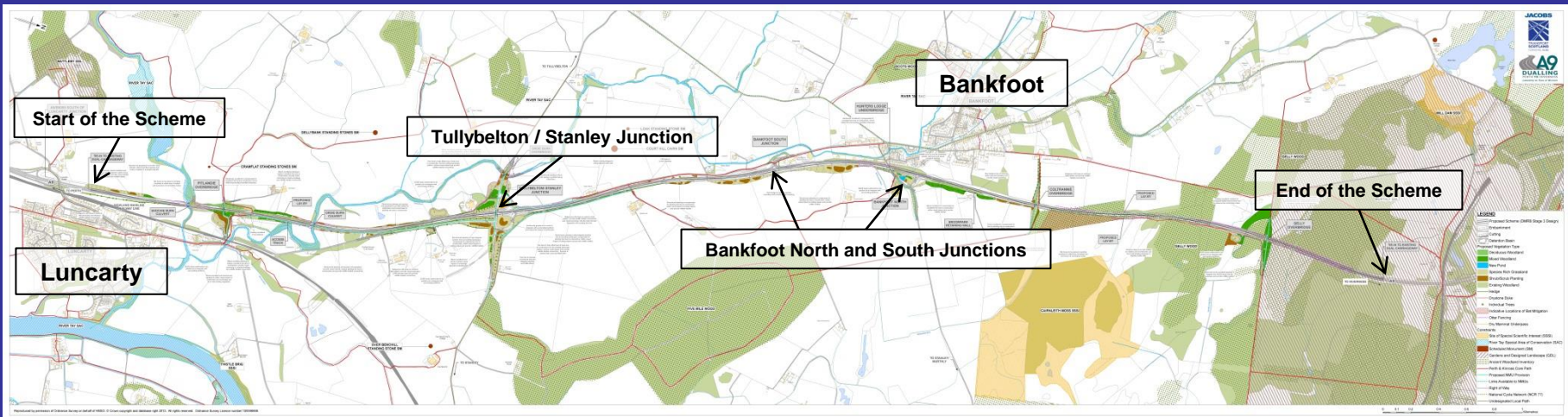


- Improve integration with public transport facilities;
- Mitigate the environmental impact of the new works and, where possible, examine opportunities for enhancing the environment and improving sustainability in design and construction; and
- Achieve value for money for both tax payers and transport users.



The Scheme

- 9.5 km of D2AP to Cat 7A Standard
- 2 grade separated junctions at Luncarty (Tullybelton/Stanley Junction) and Bankfoot
- 4.5 km of new or realigned side roads and 5.5 km of access tracks
- 10 bridges, underbridges and retaining walls



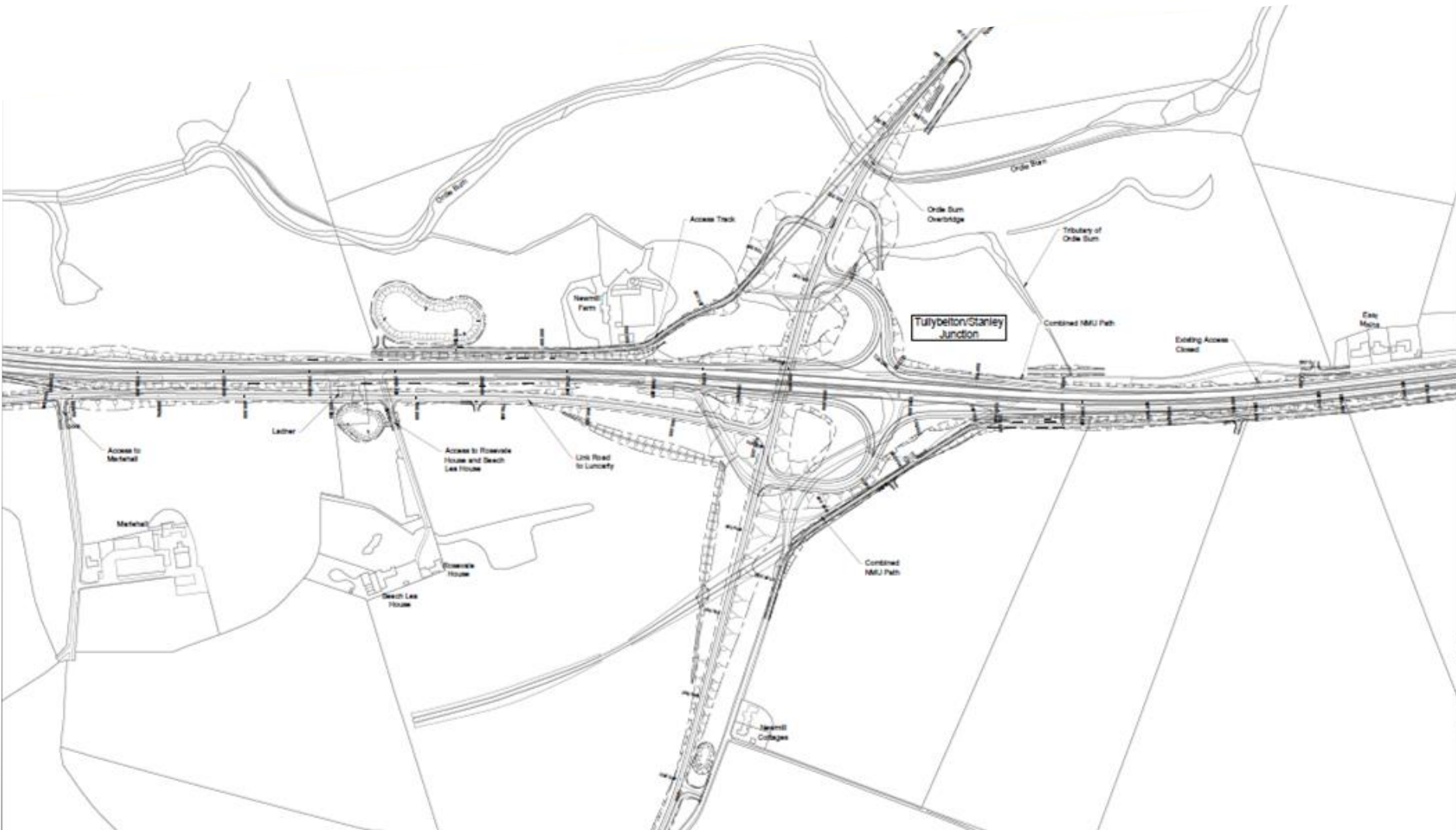
Structures



- Structures along the Scheme:
 - Four new overbridges (side road and access tracks)
 - Two principal culverts (Ordie & Shochie Burns)
 - Two new retaining walls
 - Widening of existing Hunters Lodge Underbridge
 - One side road overbridge (Ordie Burn Crossing)



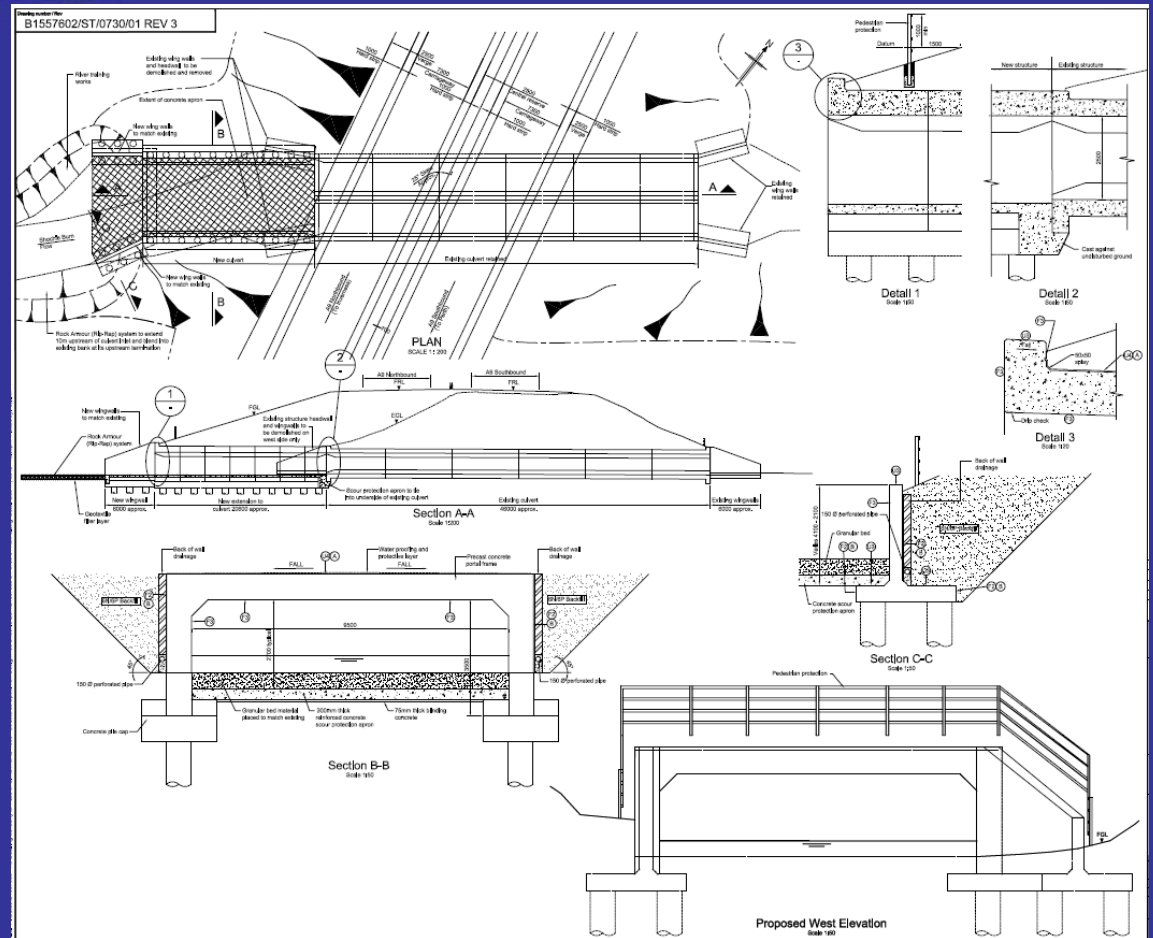
Tullybelton/Stanley Junction



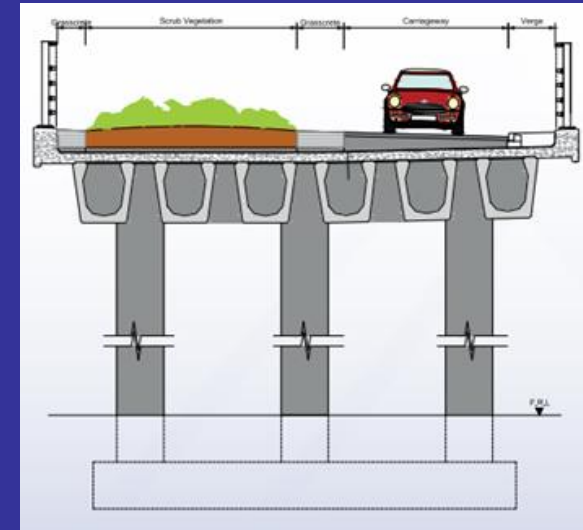
Shochie and Ordie Burn Culvert Extensions



- 2 major culvert extensions
- Tributaries of the River Tay SAC
- Constructed as portal frames to minimise impact on river bed
- CAR Licence applications submitted



Gelly Overbridge



- Three span continuous structure
- 3.5m wide carriageway and two 1m wide verges
- Includes a widened green verge to enable species such as pine marten, otter, deer and red squirrel to use the bridge, leading to biodiversity enhancement

Key Constraints

Environmental



- Designated sites – River Tay SAC, Cairnleith Moss and Mill Dam SSSI
- Protected Species – otters, Atlantic Salmon and Lamprey, bats
- Drainage and Flooding – SUDs and Flood Risk Assessment
- Cultural Heritage – listed buildings, archaeological sites and historic landscapes
- Proximity of communities and properties



Key Constraints Engineering



- Maintain 2 lanes of traffic during construction
- Maintain access to properties and communities
- Existing ground conditions and earthworks
- Statutory Undertakers



Stakeholder Engagement



- 4 sets of Public exhibitions have been held between January 2012 and April 2014
- 27 landowners are directly affected by the Scheme and consultations have been ongoing throughout the assessment process and have informed the proposed scheme design



Stakeholder Engagement



- Community councils located along this section of A9 or in close proximity include Luncarty, Redgorton & Moneydie, Stanley, Auchtergaven and Spittalfield & District
- Statutory stakeholders have been consulted throughout the process including SEPA, SNH and Perth & Kinross Council



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Contract Specification

Dominic Murphy

Transport Scotland

Contract Specification



- Procurement Strategy
- Contract Strategy
- Roles & Risk Allocation
- “New” Features
- Timescales



Procurement Strategy



- Design & Build contract
- Competitive Dialogue
 - Selection of Participants
 - Dialogue Period
 - Final Tender
- Contract award



Procurement Strategy

Competitive Dialogue



- 4 Economic Operators via ESPD
- Dialogue Period (20 weeks)
 - Develop Conceptual Design(s)
 - Consultation process
 - Additional ground investigation

Procurement Strategy

Final Tender & Award



- Invitation to submit Final Tender
 - Price
 - Conceptual Design
 - Contract Approach Statement
- Evaluation process
- Contract award
 - Most economically advantageous tender (90/10 price/quality split)

Contract Strategy



- TS model D&B contract
- Fixed Price Lump Sum
 - Milestone Schedule
- Risk Transfer
- Employer's Requirements
- Quality Management System

Contract Strategy

Employer's Requirements



- Road Orders
- Environmental Statement
- DMRB
- SHW
- Specific requirements



Contract Strategy Quality Management System



- Contractor's self-certification
 - Design
 - Construction
- Certification procedure
- Independent audit



Roles & Risk Allocation

Contractor



- Design, construct, complete and maintain the works
- Responsible for all Temporary Works
- Certify the Design and the Works
- Employ Designer(s), Checker(s) and Road Safety Auditor(s)
- Undertake CDM 2015 roles of
 - Principal Contractor &
 - Principal Designer
- Deliver on time, to specification, safely and to budget

Roles & Risk Allocation Contractor



- Ground conditions
- Utility diversions
- Traffic management
- Consultation & compliance with consultees
- Stakeholder interface



Roles & Risk Allocation

Designer



- Produce, on behalf of the Contractor, a contract compliant Design
- Supervise construction, to ensure works are constructed in accordance with the Design and the Contract

Roles & Risk Allocation

Transport Scotland



- Employer under the Contract
- Make payments
- Provision of land
- Direct costs of utility diversions



Building Information Modelling (BIM)



- SG has targeted BIM Level 2 operation on all appropriate public sector projects

- Definition

a series of domain and collaborative federated models. The models, consisting of both 3D geometrical and non-graphical data, are prepared by different parties within the context of a common data environment.

Building Information Modelling (BIM)



- Employer Information Requirements (EIR)
- Contractor to develop a Project Information Model (PIM)
 - BIM Execution Plan (BEP)
- Upon completion, Employer to receive an Asset Information Model (AIM)
 - Content aligned to Trunk Road Inventory Manual
 - Used to populate Roads Information System (IRIS)

Project Bank Account (PBA)



Definition:

“an electronic, ring-fenced, bank account for a project from which payments are made directly and simultaneously by a client to his supply chain”

Project Bank Account (PBA)



- Contractual requirement
- Joint account (Contractor & TS)
- Dual authority to authorise payments
- Trust Agreement operates
- Additional Party Agreements

Project Bank Account (PBA)



- Contractual requirement to offer PBA down the supply chain, however exclusions may occur:
 - Value of sub-contract
 - Duration of sub-contract
 - Payment terms/cycles

Timescales



- Contract Notice April 2017
- Invitation to Participate in Dialogue June 2017
- Invitation to Submit Tender Nov 2017
- Contract Award Feb 2018

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Multiple Framework Agreement

Clare Paterson

Transport Scotland

Key Features (1)



Multiple Supplier Framework to undertake works across the whole of the A9 Dualling Programme.



Duration:
4 years

Anticipated Total Value:
£3.5M – £5M

Key Features (2)



- Call for competition via Contract Notice in Official Journal of the EU and Public Contracts Scotland portal
- Restricted procedure procurement
- NEC3 Framework Contract
- Call-off by mini competition using NEC3 Engineering and Construction Short Contract



Framework Lots



Three lots:

- Civil engineering works up to £250k
- Civil engineering works from £250k to £2m
- Piling works up to £500k

Four companies per lot.

Companies may apply for more than one lot.



Work Package Activities



- Site clearance
- Property demolition
- Access tracks
- Lay-bys
- Hard-standings
- Fencing
- Ducting and drainage
- Small piling works
- Signage



Indicative Programme



- Contract notice May 2017
- Appointment to Framework September 2017
- First Framework Work Packages October 2017

**Scotland's Supported Businesses
Scottish Governments Sustainable Procurement Strategy**

Alistair Kerr

Director & Chair of BASE Scotland

Sustainable Procurement Action Plan for Scotland

John Swinney:

The Scottish Government has set itself a Purpose:

"To focus government and public services on creating a more successful country, with opportunities for all of Scotland to flourish, through increasing sustainable economic growth."



Nicola Sturgeon

Launches national Framework Agreement - October 2012

Easier for Scottish public bodies to buy from supported businesses

Utilising Article 19 EU Procurement Legislation, Now replaced
with Article 20 Regulation 21 & The First Ministers Supported
Business Advisory Group

Cross Party Political Support

**BASE Members,
Forth Sector , St Jude's Industrial Laundry
Crisp Documents Limited
Royal Strathclyde Blindcraft Industries (RSBi)
Dovetail Enterprises
ACE Recycling
Matrix (Fife)
NL Industries
Highland Blindcraft
Glencraft
Haven Hillington, Haven Inverness, Haven Recycle
Haven Sign Factory
Redrock
Hansel Laundry Service
Lady Haig's Poppy Factory
Royal Blind Scottish Braille Press
WEE Scotland Recycling**



Procurement Reform Act (Scotland) 2014

Establishes laws about sustainable public procurement

Maximise the social, environmental and economic benefits through effective and efficient procurement activity

Embedding sustainability is at the heart

Sustainable procurement duty

“Consider how in conducting the procurement process it can:

- (i) improve the economic, social, and environmental wellbeing of the authority's area
- (ii) facilitate the involvement of small and medium enterprises, third sector bodies and supported businesses in the process, and
- (iii) promote innovation...”

“wellbeing of the authority's area include, in particular, reducing inequality....”



Opportunities

You can make a genuine impact for people in Scotland

Reduce unemployment

Reduce dependency on benefits

Create New Employment Opportunities

Reduce a significant financial burden to Scotland's tax payers.

Improve a persons Health & Wellbeing

Scottish Government Procurement Directorate & Fair Work

**Directorate have set aside a Procurement Lot for The New
Devolved Employability Welfare Powers for Scotland 2018
utilising EU Article 20 Regulation 21**



YOU can change a persons life.

Living with Disability

People like **YOU** and **ME**



- Sustainable Procurement Strategy positively impacts on peoples lives and their families
- Commercially Viability V's Supporting the complex needs of the staff
- Commitment and Passion drive the Businesses Forward aligned to a Social Agenda

Collective Turnover 2015/16

£35 million

Goods and Services

Industrial Laundry Services, including a Royal Warrant

Contract Packaging and Distribution

Secure & Non Secure IT Disposal

Signage

Print & Document Management

Office / Commercial Furniture & Beds

Textiles & PPE, Uniforms NHS, MOD Chemical & Biological Suites

Alternative Reading Formats

Secure Storage Solutions

Commemorative Solutions, Poppies & Wreaths

WEE Recycling



Next Steps Collective Responsibility

Embed Sustainability at the heart of all you do

Use the powers to work with businesses

Work together to overcome barriers – real and perceived

Highlight areas where businesses could improve.

Work in partnership

Evidenced Based Social Return on Investment



Finally, Provide Hope not false expectation for people across Scotland who want to work & contribute but due to Health, Clinical or Personal Circumstances require a supportive employer to support and understand each persons unique Health Conditions and circumstances



The Scottish Governments Sustainable Procurement Strategy Enables this to happen.

You can be part of this journey

Please come and have a chat – anytime

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Thank you