APPENDIX –A: RESEARCH FUNDING SOURCES

BY

CENTRE FOR LEAN PROJECTS

NOTTINGHAM TRENT UNIVERSITY

Research funding sources

- Innovate UK (formerly Technology Strategy Board) – industry led bids
- H2020 (EU) collaborative industry/academic bids,
- Research councils – EPSRC, ESRC – University led bids

Current openings: Innovate UK

Supply chain integration in construction - Opens 9 March 2015

- Up to £2m for **feasibility studies** to explore new ways of increasing collaboration and improving the flow of information throughout the construction supply chain. Grants will be awarded to consortiums and individual project costs are expected to be £50k - £150k. -
  - The competition brief can be accessed at: https://interact.innovateuk.org/competition-display-page/-/asset_publisher/RqEt2AKmEBhi/content/supply-chain-integration-in-construction
  - The deadline for registrations is 15 April & submission 22 April
  - To stay up to date on the latest information for this competition, join the group at: https://connect.innovateuk.org/web/scic

Another option for public organisation wanting to develop a specific solution is to use some of the £150M Innovation Fund in an **SBRI** mechanism (https://sbri.innovateuk.org/welcome/). This will ensure delivery of the solution. Innovate currently discussing using one with the HA for a retaining wall solution.

Supply chain integration in construction

Eligible countries:

- Only UK-based companies and research organisations are eligible to apply

Specific conditions

- Project open to company of any size working in collaboration
- The feasibility study must be industry-led
- £2 million to be invested in feasibility study
- The collaboration must be business-led
- The project must fall under fundamental research category see link for the meaning https://interact.innovateuk.org/-/funding-rules#fundamental
- The project should last 6 to 12 months

Supply chain integration in construction

Specific conditions

- Expected project cost from £50,000 to £150,000
- Innovate UK will fund up to 70% of the eligible project cost. Small businesses could receive up to 70% of their eligible project costs, medium-sized businesses 60% and large businesses 50%.
- Academic participation will be capped at 30% of the overall PROJECT COSTS
- Applicants may be a single company only if it is a Large Business and lack of collaboration is fully justified in the application.

Supply chain integration in construction

Eligible organisations

- Business organisation
- Research Organisation or
- Public sector organisation or charity

Supply chain integration in construction

Application process

- To enter this competition, the lead partner for the project must register via the competition website at https://interact.innovateuk.org/ before 15/04/2015
- After registration, login and download application forms and other forms (**see page 8 of competition guidance for applicants attached)** for more information on application.
- Submission of full application **22/04/2015; 12:00**
- Decision on application **29/05/2015**

The focus and scope of the project

- Feasibility studies must develop new areas of knowledge and could include the development of new products, services or processes.
- They should include market research and work on assembling collaborative partnerships in preparation for further development of the project.
- Proposals must focus on increasing value to the customer, both in delivery and the end product.
- They should consider the fragmented nature of the industry, the flow of information and the challenge of building integrated supply chains.

Project area of interest

The study should consider approaches such as these:

- enabling more design to be completed before construction, considering issues such as regulatory control, finance, insurance, and needs of suppliers and users
- making innovation more visible, promoting the benefits of novel technologies or approaches
- introducing expertise from manufacturing and other sectors to aid delivery and operation, of an individual building or piece of infrastructure or of a portfolio of assets
- developing new practices for coordinating procurement and delivery, based on shared problem solving, systems engineering and collaborative working
- life-cycle information management technologies, products and services that provide data to specifiers and designers from commissioning, operation, post-occupancy evaluation and feedback, end-users and building sensor systems
- solutions for mapping or managing staff and materials, to address peaks and troughs in demand or supply.

This should not include BIM!

H2020

Topic: **Transport societal drivers:MG-9.1-2015**

Specific challenge: A sound understanding of behavioural and societal factors –including economic,
http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2645-mg-9.1-2015.html

Call title: MOBILITY for GROWTH 2014-2015

Call identifier: H2020-MG-2015_SingleStage-A

Status: Open

Deadline: 23-04-2015

Transport societal drivers:MG-9.1-2015

Eligible countries:

- **Member States** of the European Union, including their overseas departments
- **Associated Countries** - the following countries have stated their intention to become associated to Horizon 2020 by the time the first grant agreements are being signed. These are Albania, Bosnia and Herzigovina, Faroe Islands, former Yugoslav Republic of Macedonia, Iceland, Israel, Moldova, Montenegro, Norway, Serbia, Switzerland and Turkey.
- See link to full list of eligible member countries:

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/annexes/h2020-wp1415-annex-a-countries-rules_en.pdf

Transport societal drivers:MG-9.1-2015

Eligible Organisations

- Policy makers, civil society organisations, end-users, industry including suppliers (vehicles and components – all modes) and transport service providers, academia and research organisations. These actors, by being engaged in this collaborative and knowledge-mobilisation process, will learn to explore together the most appropriate and viable solutions. Links and synergies with transport-related European Technology Platforms (ETPs) and the on-going TRANSFORUM[1] project would add significant value.

Transport societal drivers:MG-9.1-2015

Specific condition for the above project topic:

- The minimum duration of the project should be 2 years
- At least 10 different countries must be involved in the project
- Maximum contribution of 3 million Euros
- First stage proposal, maximum of 15 pages
- Closing date 23/04/201

Transport societal drivers:MG-9.1-2015

Specific conditions on proposal

- For a proposal to be considered admissible, it must be: (a) Submitted in the electronic submission system before the deadline given in the call conditions; (b) Readable, accessible and printable.

Supporting documents for proposal

- A curriculum vitae or description of the profile of the persons who will be primarily responsible for carrying out the proposed research and/or innovation activities;
- A list of up to five relevant publications, and/or products, services (including widely used datasets or software), or other achievements relevant to the call content;
- A list of up to five relevant previous projects or activities, connected to the subject of this proposal;
- A description of any significant infrastructure and/or any major items of technical equipment, relevant to the proposed work;
- A description of any third parties that are not represented as project partners, but who will nonetheless be contributing towards the work (e.g. providing facilities, computing resources)

Transport societal drivers:MG-9.1-2015

Project overview

- A sound understanding of behavioural and societal factors – including economic, social, demographic, cultural and gender issues where relevant- that influence transport demand and supply is needed to ensure that, in shaping transport policies and research and innovation activities, the values, needs and expectations of the society are met

Transport societal drivers:MG-9.1-2015

Project scope

- A forum for communication, collaboration, relationship-building should develop multi-stakeholder interactions and produce an action plan for innovative solution/options for transport and mobility to advance the agenda of the transport sector and society at large. The work should be inclusive of the state of the art of ideas, trials and business endeavours on new mobility concepts.

Transport societal drivers:MG-9.1-2015

Project or proposal focus

- Understanding user needs, mobility choices, aspirations and behaviours.
- Assessing how new mobility concepts would contribute to the overall transport efficiency.
- Exploring implications for policies, regulations, standards, forms of governance.
- Analysing societal resistance to acceptance of emerging transport technologies and services.
- Exploring market opportunities alongside the innovation chain, including services.
- Foster consensus-building and public-engagement, thus facilitating the dissemination of good practices and the deployment of innovative transport and mobility solutions.

Transport societal drivers:MG-9.1-2015

Expected outcome or impact of the project

- Ensure an inclusive approach in providing a comprehensive overview of new forms of mobility and transport, and their implications for users, the environment, society as a whole and policy makers.
- Enhance and better target transport policies and research and innovation priority setting.
- Address the mobility needs of specific groups and communities (accessibility; affordability, inclusiveness, safety, ageing population, etc.).
- Promote innovative/alternative business models and social innovation.
- Enhance corporate social and environmental responsibility.

H2020

Topic:	**Fostering transnational cooperation in European transport research and innovation – NCP network:MG-9.5-2015**		
	Specific challenge: Facilitate trans-national co-operation between NCPs within the Transport		
Call title:	MOBILITY for GROWTH 2014-2015	**Status:**	Open
Call identifier:	H2020-MG-2015_SingleStage-A	**Deadline:**	23-04-2015

Development of National Contact Points (NCP) for information dissemination
http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2646-mg-9.5-2015.html

EPSRC

Engineering solutions for monitoring, controlling and improving traffic flow across all modes (rail, road, water and so on). Includes traffic scheduling, control and modelling; telematics and vehicle locationing;
transport safety and reducing the undesirable effects of transport on the environment (emissions, noise and vibration). Does not include vehicle technology or energy efficiency.

Support for the larger field of Transportation is provided by EPSRC and Economic and Social Research Council (ESRC).

EPSRC also support Built Environment research – limited support for process

ESRC

Strategy and priorities

- Our research makes a difference. It shapes public policies and makes businesses, voluntary bodies and other organisations more effective.

Our priorities

- Our Delivery Plan focuses on three strategic priorities:
- Economic Performance and Sustainable Growth
- Influencing Behaviour and Informing Interventions
- A Vibrant and Fair Society

Research area:

Observations so far:

Need to move towards flow production

Need standard across supply chain as same organisations working in different ways on different projects

Need deeper understanding of mechanisms for collaboration and better adoption of lean production principles

Based on this, a research proposal is in the developing to be submitted to Innovate UK for the Supply chain integration funding proposal.