

PRIOR INFORMATION NOTICE – SUPPLEMENTARY INFORMATION

Overview:

Cambridgeshire & Peterborough Combined Authority (CPCA) is seeking to engage multiple suppliers to concurrently and independently develop creative and feasible Conceptual Designs for a Cambridgeshire Autonomous Metro (CAM). Up to £200K of funding will be available for each supplier who has been successfully awarded a contract to develop a Conceptual Design. CPCA is seeking to select suppliers based on their potential to generate a creative and feasible Conceptual Design for the CAM; Qualification will not require prior experience in design of transit systems.

A Conceptual Design will propose solutions for each aspect of the CAM, from the vehicle to the way in which the network will be operated. These solutions must achieve the objectives of the CAM and comply with known constraints as detailed in the CAM Specification. Suppliers will need to evidence how and why their proposed solutions achieve the CAM Specification, and, demonstrate that collectively the solutions provide a complete, coherent and feasible design which illustrates to CPCA what CAM could be, how it can be delivered and how it could be operated.

This Prior Information Notice seeks to notify suppliers of the forthcoming Webinar and the subsequent launch of an OJEU notification for the competitive process CPCA will run to select suppliers to generate Concept Designs for CAM.

Background: The need for Cambridgeshire Autonomous Metro System

The Cambridgeshire and Peterborough Independent Economic Review (CPIER) published its final report on the future economic prospects for the region in late 2018. The report was prepared by the Cambridgeshire and Peterborough Independent Economic Commission (CPIEC) and it pointed to very fast rates of economic and employment growth over the next few decades.

Much of this growth will be concentrated in and around the City of Cambridge. This will put further pressure on an already overstretched transport infrastructure and recognition of this problem has given rise to the current proposals for building the CAM. The CAM aims to provide a high-quality, fast and reliable transport network that will transform transport connectivity across the Greater Cambridge region. The vision for the programme is an expansive metro network that seamlessly connects Cambridge City Centre, key rail stations (Cambridge, Cambridge North and the future Cambridge South), major city fringe employment sites and key 'satellite' growth areas, both within Cambridge and the wider region. The overall length of CAM will be circa 148km.

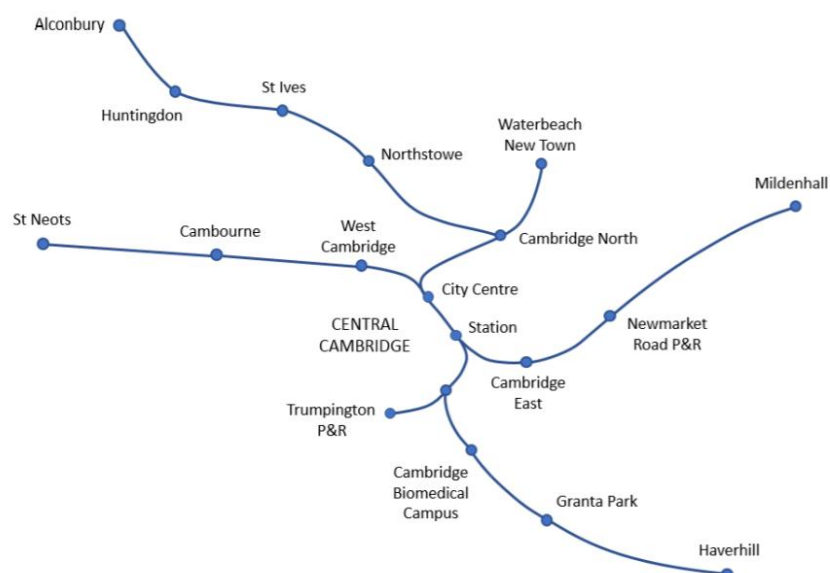


Figure 1: *Outlines key corridors proposed to be served by the Cambridgeshire Autonomous Metro*

CPCA has developed a 'CAM Specification' that articulates the outcomes that the CPCA is seeking to achieve from CAM, as well as the constraints that any design for CAM must comply. Through obtaining Conceptual Designs from suppliers, CPCA will gain insight into potential solutions for the CAM and its components. For example:

- **Equipment:** *The supplier shall provide its proposed solution for a Vehicle for an autonomous metro system, including considerations around guidance, operating systems, and vehicle maintenance – particular consideration should be given to future-proofing in light of the rapidly changing environment of autonomous vehicles.*
- **Infrastructure:** *The Supplier shall propose solutions for the key aspects of the infrastructure and IT of a transit system as well as the recommended approaches for their design, build, operation, safety assurance and maintenance.*
- **Network Operations:** *The supplier will detail the customer experience which their proposed solution will deliver as well as the concept of how the system will be operated*
- **Commercial relationships:** *The supplier will propose innovative opportunities for revenue streams from other parties which will support the funding of the build and operation of the CAM.*
- **Environment & Sustainability:** *The Supplier shall detail their proposed Environment & Sustainability approaches to ensure CAM is world leading in its environmental impact*

The Conceptual Design delivered by a supplier shall explain the supplier's proposed solution for each component of the Specification, providing an evidence based rationale as to how the proposed solution will achieve the stated outcomes and comply with the constraints as per the Specification. The Supplier shall also provide an evidence based rationale as to how the solutions for each component are compatible and coherent with each other. Visualisation will be an important part of articulating the supplier's proposed solution for CAM. In obtaining Conceptual Designs for CAM, CPCA is aiming to:

- **Identifying the opportunity for innovation** – Understand where can new innovative approaches be taken in the design, construction and operation of CAM
- **Inform the Business Case** – Provide evidence as to the potential solutions and benefits, as well as further understanding the risks and challenges to be overcome.
- **Harness Local Skills & Knowledge** – Leverage a local understanding to ensure designs suit Cambridgeshire's historic environment, and make use of the unique hub of skills the city offers
- **Inform Delivery Model** – Help to inform the approach to delivery, for example packaging of works and services contracts.
- **Stimulate the Market** – Attract and inform suppliers ahead head of the delivery of CAM.

Procurement Process:

The CPCA, as a public body, is governed by the Public Contract Regulation 2015 and as such must comply with its principles of equal treatment, transparency and proportionality; as such, and based on the expected market volume and outcomes for the project, have decided to utilise the Restricted Procedure in accordance with the Regulation.

This process is a two-stage procurement in that it includes an initial pre-qualification and shortlisting stage and then a separate tender stage for which only those invited tenderers may submit a proposal.

The stages will be evaluated as follows

Pre-Qualification-Questionnaire:

- The CPCA will structure the technical selection questions to pick up on the individual elements of the experience/ skills required so that suppliers may demonstrate them through the individual experiences within organisation or consortium (including those made up of numerous individuals or a collective of SME's).
- The technical questions will be scored and weighted so that the CPCA can identify the 10 top scoring suppliers who will be shortlisted to tender.

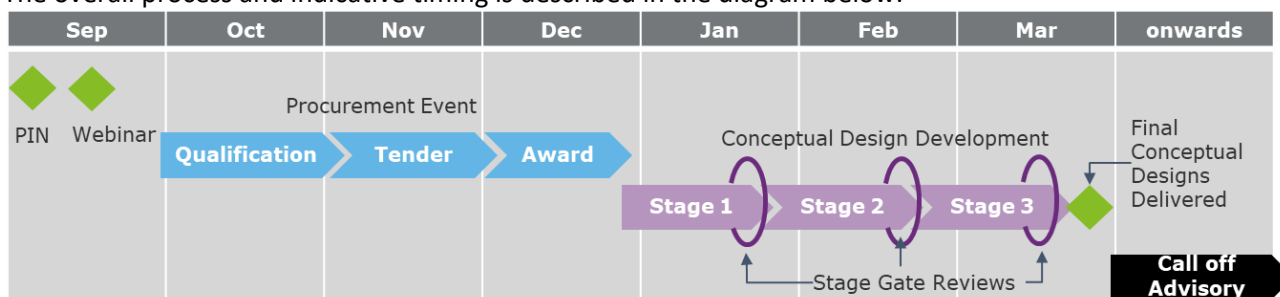
Invitation To Tender:

- Suppliers will be required to provide a number of method statements that detail how they propose to develop their Conceptual Designs, in particular:
 - Details of their team and any subconsultants/ partners and their role in developing the Conceptual design
 - Detail their programme/ plan for the development of the Conceptual Design; including design sequence, elemental integration and interaction with other project consultants
 - Detail how they will access an understanding of the mass transit system to enable the development of the design

Please note these are examples of topics to be assessed and the exact wording of the questions will be provided when the OJEU is published in October

The CPCA will evaluate and score all compliant submissions and from this identify the 3 top scoring tenderers with whom, subject to standstill, they will award contracts for the development of Conceptual Designs for CAM.

The overall process and indicative timing is described in the diagram below:



Importantly, the CPCA will be selecting suppliers and shortlisting tenderers based on their potential to generate an innovative Conceptual Design for the CAM.

CONTRACT AWARD

Development of Conceptual Designs:

Suppliers who have been awarded a contract will be required to develop their Conceptual Designs for CAM in accordance with their tendered plans. The CPCA will conduct 'stage gate reviews' as per the above timetable whereby the following will be assessed:

- A) Is the maturing of the design following the supplier's tendered plan;
- B) Is the Conceptual Design demonstrating alignment to the CAM specification:
 - Is the supplier demonstrating for each aspect of their Conceptual Design the benefits, risks, and associated mitigations of each aspect, providing a compelling justification for its selection?
 - Is the supplier demonstrating the coherency of the design such that all components are compatible?

The CPCA has allocated up to £200k for each of the three contracted organisations, which will be paid against the allowable time and material costs incurred during each of the three stages, within the specified cap for that stage, and paid in arrears.

If a Conceptual Design is determined to not achieve the stated criteria at any of the stage gate reviews then the supplier may not be progressed to the next stage and may not be entitled to reimbursement of some or all of the costs incurred.

Contract Terms

A design contract will be awarded to the successful supplier(s). The contract terms and conditions will be issued with the tender documentation, and will include (without limitation) provisions to address the following;

- Conceptual Design development procedure and "stage gate reviews" as described above;
- Standard of service;
- Payment terms, including a mechanism for "allowable costs"; and
- Intellectual property rights in the Conceptual Designs that will ensure CPCA (and any of its subsidiaries) can make full and unlimited use of all of the Conceptual Designs for CAM indefinitely

Beyond Delivery of the Conceptual Design:

CPCA will be keen to have an option to retain access to the expertise of those suppliers who have successfully delivered their Conceptual Designs; therefore, provisions will be made within the contract for an option for CPCA to seek ongoing support and access to expertise from the suppliers on an ad hoc basis for which additional payment will be agreed.

Purpose of this Prior Information Note:

To alert the market that a procurement opportunity will be launched during October 2020, including all necessary instructions, specification, contract and other relevant tender information. This process will be published and managed through the portal from which this document has been published

CPCA will be conducting a webinar to promote this future opportunity and enable market engagement with

both the CPCA and between interested suppliers on or around the 18th September 2020 (precise timings yet to be confirmed). Interested suppliers must register their interest in joining this event by emailing their details to chantel.allott@cambridgeshirepeterborough-ca.gov.uk no later than 15th September 2020. Suppliers who miss this deadline may not receive their log in details for the event.

Following the webinar CPCA intends to make available to all parties, the details of those who attended the session. Any supplier who wishes to remain anonymous must state at the time of registering their interest as defined above.

To register interest the supplier must provide:

- The supplier's registered business name
- Registered business address
- Name of personnel who are attending the webinar
- Contact details for a nominated point of contact for communication regarding the webinar and forthcoming procurement.

Any other questions regarding the webinar or the subsequent process must be raised through the portal so that information can be shared transparently with all suppliers.