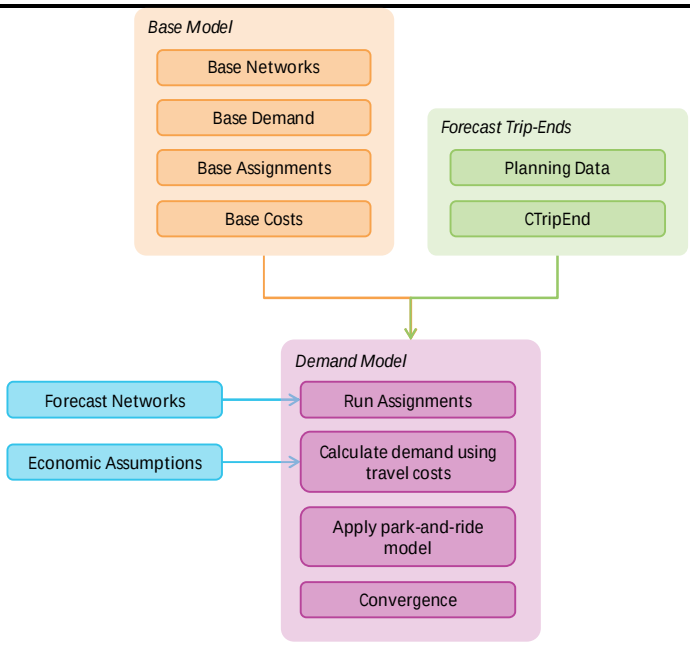
PSP3 Project Description Input Sheet

*This Project Pro-forma is used to capture **project descriptions, innovations and efficiencies**. It is not expected that all the information requested will be appropriate to all projects. Please provide as much information as possible. This form should be updated and resubmitted as projects develop.*

Text in shaded box is guidance – click on text box and over type.

MHA Authority	Bedford Borough Council
Project Number	60623071
Project Title	Bedford Borough Transport Model Development
Client Contact	Jon Shortland
Client Details	Borough Hall, Cauldwell Street Bedford MK42 9AP 01234 718535 Jon.Shortland@Bedford.gov.uk
Brief Project Description (300 Characters)	Bedford Borough Council commissioned the development of a multi-modal transport model covering the borough and neighbouring areas to enable: • the development of an evidence base for both the draft and submission version of the Local Plan defining growth in the borough to 2040. • the assessment of individual developments proposed within the Local Plan; and • the assessment and evaluation of benefits for potential transport infrastructure improvements within the borough.
Full Project Description	To provide Bedford Borough Council with a tool for assessing growth and infrastructure proposals for the borough up to 2040, a suite of transport models is being developed. These include a highway assignment model, a public transport assignment model, a variable demand model (including representation of current and potential future Park and Ride sites), and a trip-end model to forecast travel based on population and employment estimates.  Each of these components requires processing of data including traffic count surveys, mobile network data, data regarding the current road network and public transport services, and land-use or planning data setting out the location of population and jobs within the borough. Due to ongoing roadworks within Bedford from early 2019, no new data collection has been undertaken as part of this model development and best use has been made of the existing data sources available to the study. The model is to be developed in-line with the Department for Transport's Transport Appraisal Guidance (TAG), drawing on other areas of industry best practice where TAG does not provide detailed advice. In addition to the Department for Transport, Highways England and neighbouring local authorities are likely stakeholders in the development of

	Bedford's Local Plan and therefore will have an interest in the development and performance of the transport model suite. Following TAG and maintaining consistency (where possible) with other transport models in the area (such as Highways England's South East Regional Traffic Model and Central Bedfordshire's corresponding tool, CBLTM) will help gain "buy-in" to the model. The programme for this model development is to have an interim version of the model ready for initial testing of Local Plan options by the end of August 2020 with the final version of the model ready by the end of the year.
Innovation	Bedford Borough have an existing highway assignment model which has been used to date to assess development proposals and scheme assessments. The updated model will include significantly greater functionality and geographical coverage and will make use of mobile network data (a data source not available at the time of development for the existing model). An area of innovation for the development of a transport model has been the use of the Ordnance Survey's OpenRoads GIS layer as the basis for both the highway and public transport networks. This has allowed much greater detail to be included in the network and geographical accuracy in terms of junction coordinates and link shaping. This additional detail within the network will improve the model's performance to assess air quality impacts of proposed developments and / or infrastructure schemes should such an assessment be undertaken in the future.
Lean Delivery / Efficiency Savings	n/a
Sustainability	n/a
Awards / Customer Satisfaction	Client response to the AECOM Client Survey undertaken on 30th April 2020 contained a "9 out of 10" for likelihood to recommend AECOM.
Address of Site	n/a — Multiple Site Project: ☐
Project Capital Value (if applicable)	Estimated: n/a — At Completion: n/a
Fee Value	Estimated: £439,140.32 — At Completion: Ongoing
MHA PSP3 Delivery Team	Project Manager: Ian Stanness Delivery Manager: Mark Hatcher Framework Manager: Jason Clarke
Project Manager Contact Details	Ian Stanness AECOM St Albans 01727 535919 ian.stanness@aecom.com
Other Useful Information	n/a
Image References (Images to be provided separately)	n/a
Completion Certificates (to be provided separately)	n/a

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This information provided by:	Who:	Ian Stanness AECOM St Albans 01727 535919 ian.stanness@aecom.com	When:	9th June 2020