United Kingdom-London: Department for <mark>transport</mark> National <mark>transport</mark> Model v. 5 2024 Rebase

Department for Transport

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Description: A PIN for this opportunity, requesting engagement from interested parties, has already been published at: https://www.find-tender.service.gov.uk/Notice/009464-2024?origin=SearchResults&p=1 This PIN duplicates the previous PIN, with an amended response deadline of 11:00, 22nd April 2024. The National transport Model version 5 (NTMv5) is a large transport model, developed using classic transport modelling principles but with a number of adaptations to enable it to be sufficiently informative with shorter run times. Some parts of the model use a "masking" system with a representative subset of zone-to-zone movements, to reduce computation times. The Department for transport is considering a `rebase' of the system. There are three important elements to this work. First, and most important, the requirement is to update the highway assignment component of NTMv5 to reflect the situation post-covid19. This is needed for strategic forecasting purposes. In practice, this means using data from 2022 and 2023, a shorter period than the original data used to estimate NTMv5. The challenge with this work will be to exercise judgement about where compromises are needed to meet the tight timescales for this project, whilst still providing sufficient quality for strategic forecasting. This work may also provide some opportunity (albeit within limited timescales) for an innovative approach to meet this challenge. Secondly, we intend to switch from using National Highways traffic counts to the Department's data (potentially including traffic by region and road type as well as counts) for this update. This is because for strategic forecasting purposes, the Department requires the modelled traffic to match its own understanding of traffic in the model base year. Finally, the Department would like to have the capability to carry out similar updates in-house in future. Therefore, we would anticipate allowing some time after the model updates are complete for documentation, handover, and potentially training to the Department in the methods used for this update. This Prior Information Notice aims to gather information from potential bidders about their capability and capacity to provide these services - via an expression of interest. To respond, please first register an account on the Department for transport's e-sourcing platform, Jaggaer (https://dft.app.jaggaer.com/). Once you have registered an account, please access and respond to the Jaggaer PQQ event for this EoI (pqq_431, available at: https://dft.app.jaggaer.com/go/10612947018E65985C93). Communications about this procurement should be routed by the message function under the PQQ event. The deadline for responses to the EoI is 11:00, 22 April 2024. Further competition will not be restricted to respondents to this EoI.

Full Text: