



TECHNICAL NOTE

DATE:	04 April 2025	CONFIDENTIALITY:	Confidential
SUBJECT:	St Albans Local Plan National Highways Request		
PROJECT:	70119618 - COMET modelling run 7.1 for St Albans Local Plan	AUTHOR:	Christine Elphicke
CHECKED:	Christine Elphicke	APPROVED:	Craig Drennan

OVERVIEW

This fee proposal outlines details of the task which was requested by National Highways on 12th March 2025:

- To generate a potential mitigation proposal for M1 Junction 9 diverge which will provide a drawing of the proposal, undertake an initial safety assessment and provide an initial cost estimate

Although not specifically requested by National Highways at the meeting on 12th March it is prudent to assess the proposed mitigation improvement within the AM and PM peak COMET Model St Albans Local Plan Option 3 ahead of the road safety assessment and high-level costing to ensure at a strategic level the proposed design operates effectively.

TASKS

This section of the fee proposal outlines the tasks outlined above and provide additional details around the work required and assumptions.

Concept Level Highway Design

A 2D concept level design will be prepared for the for the M1 Junction 9 northbound diverge based on the diverge assessment undertaken by the WSP Strategic Modelling team. The assessment outcome was the requirement for a diverge Layout D Option 2 based on CD122 Geometric Design of grade separated junctions (version 1.1.1).

The design will be based on the following assumptions:

- The diverge calculations are correct as time of pricing
- Layout D Option 2 will be developed as it complies with CD122 as being a modification to an existing asset
- Design will be based on the OS base and LIDAR data (if available)
- Client to provide the OS base and LIDAR data (if available) within three weeks of approval of work scope
- No 3D design will be undertaken
- No site visits will be undertaken
- No traffic modelling will be undertaken unless requested by the Client
- The design development will take consideration of the following constraints:
 - Reduce or eliminate the need for land acquisition
 - The bridge structure located south of M1 Junction 9 northbound
 - Reduce or eliminate the impact on the gantries
 - No geometric design changes to the M1 Junction 9/A5183 roundabout

- Drawings will include risks/constraints/potential issues to be considered at the next stage of design
- WSP will discharge Designer responsibilities under CDM 2015
- No C2 utility information will be sought
- The concept design will be developed in accordance with Design Manual for Roads & Bridges relevant documents
- One drawing will be produced to issue to the client
- One round of client comments and design update has been allowed for in the fee estimate
- Allowance has been made for a client inception meeting as well as one client progress meeting.

Road Safety Assessment

A safety assessment to be undertaken will be the same as that undertaken for the M25 Junction 24 Enfield Local Plan. The assessment will be desktop based and does not replace the requirement for road safety audits. The following tasks will be undertaken:

- Review collisions (data to be provided by Client)
- Review site location using streetmap
- Review drawings and brief
- Undertake safety review
- Develop safety assessment report

High Level Costing

A high-level project delivery cost estimate will be prepared in alignment with the level of design maturity (concept). This will be based on industry average construction costs. The client is to confirm the forecasted construction year so that inflation can be taken into account.

COMET Model Run

Undertake a AM and PM peak COMET Model St Albans Local Plan Option 3 run with the proposed mitigation for M1 Junction 9 to ensure it does not have any impacts on the strategic network and specifically the roundabout after the M1 junction 9 northbound diverge with the A5183. Comparisons will be made between the run without the mitigation and a short Technical Note developed to be shared with National Highways. Noting that no design refinements have been included in the fee proposal, so if the modelling of the mitigation indicates the design needs to be changed additional fees will be required.



FEES

Table 1 and Table 2 provide a breakdown of the fee by task and staff, noting these are now based upon our 2025 April rates.

Table 1: St Albans Local Plan National Highways Task Costs

Tasks
Concept Level Highway Design
Road Safety Assessment
High Level Costing
COMET Model Run with proposed mitigation
Total

TIMESCALES

The delivery timescales for the work included in this proposal will be confirmed to the client one week following the commissioning of the work.