Lower Thames Crossing
Map book 1: General Arrangements

Supplementary consultation 2020
The three map books for Supplementary Consultation contain plans of the proposed changes to the project under the following headings:

- Map book 1: General Arrangements (layout plans)
- Map book 2: land use plans
- Map book 3: engineering plans

These plans show the changes we have made since our statutory consultation in 2018 and are published for the purposes of the Supplementary Consultation on the project. The proposals are therefore subject to change due to consultation feedback and further design development.

The plans run from the A2 in the south to the M25 in the north. Identically numbered sheets in the different map books show the same area, for example sheet 3 shows the A2/LTC junction in map books 1 and 2.

Map book 1: General Arrangements
The General Arrangements show the proposed details of the project including:

- Permanent works and construction compounds
- Environment mitigation
- Utilities diversions
- Development boundary
- Open space and replacement land

Permanent works
Compulsory purchase of land or compulsory acquisition of permanent rights will be required along the route of the road, for re-connecting local roads and for associated structures like drainage ponds and tunnel control building. In some land parcels, only the acquisition of subsoil will be required.

Temporary works
Temporary use of land is needed for the project’s construction works and to provide sufficient space to do so safely. The plans show land that may be required temporarily for the main construction compounds at the tunnel entrances north and south of the River Thames and at various locations along the route. We will also require permanent and temporary rights over land to divert utilities such as gas pipelines, electricity cables and water pipes. Any land that is only required temporarily will be returned to its previous use wherever possible once construction has been completed.

Compensation land
Compensation land may include environmental protection measures such as habitat creation and for flood compensation. This land may also need to be compulsorily acquired permanently or be subject to permanent rights.

Replacement land
Land is also included in respect of the replacement of special category land such as open space, or common land which is being compulsorily acquired or in which permanent rights are sought. This replacement land may also need to be compulsorily acquired permanently or be subject to permanent rights.

Map book 3: engineering plans
This book contains engineering drawings in the following order:

- The plan and profile drawings which detail the vertical and horizontal road alignment
- The junction arrangements showing the proposed layout
- The cross sections throughout the route showing the lanes and earthworks

The plan and profile drawings show the highway details of the route in plan and profile (level above or below existing ground). The drawings are split into two views with the plan on the top and profile underneath.

The profile gives the road level in relation to existing ground at a given chainage*. An exaggerated scale is used in the profile to help show the differences in levels and gradients of the design. The profile also shows where existing roads and public rights of way cross over or under the route.

All levels are given in relation to the ordnance datum level** the profile reference level might be different on each drawing.

* Chainage measures the distance along the route in metres
** Above Ordnance Datum level (AOD) is a measurement above mean sea level taken from a reference point at Newlyn in Cornwall.

Large maps
Large maps that cover a greater area have also been produced which detail the same information.

These are:

- Environmental constraints – 1 sheet
- Land use – 1 sheet
- Project profile – 1 sheet
- General Arrangements – 6 sheets (larger coverage)
GENERAL ARRANGEMENT PLAN

PROPOSALS FOR CONSULTATION

SHEET 4

0 50 100 150 200
SCALE 1:5000

HS1
A2
M25
Dartford
Meopham
Gravesend
Utility works

LOWER THAMES CROSSING
SUPPLEMENTARY CONSULTATION

Drawing title
Client Project
LOWER THAMES CROSSING
PROPOSALS FOR
CONSULTATION

Client
PROPOSALS FOR
CONSULTATION

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Ordnance Survey 100030649

Hever Court Road
Gravesend
Ifield Way
Utility works

Meopham

M25
Dartford
PROPOSALS FOR CONSULTATION

GENERAL ARRANGEMENT PLAN
SHEET 4b

CLIENT PROJECT
LOWER THAMES CROSSING
SUPPLEMENTARY CONSULTATION

Client

PROPOSALS FOR CONSULTATION

Drawing title

HS1

M25
Dartford

Gravesend

Utility works

Metres Scale 1:5000 at A3


Ordnance Survey 100030649
Potential locations for a substation for the South Portal

Potential receptor site for ancient woodland compensation
Proposed temporary construction jetty

Permanent substation for supplies to North portal

Retaining walls to tunnel portal

Removable barrier for emergency tunnel access

Proposed receptor site for material/landscape enhancement

Tunnel portal
PROPOSALS FOR CONSULTATION

LOWER THAMES CROSSING
SUPPLEMENTARY CONSULTATION

SHEET 8a
Tilbury loop railway

Utility works

River Thames

Tilbury Fort

PROPOSALS FOR CONSULTATION

GENERAL ARRANGEMENT PLAN

SHEET 8c
PROPOSALS FOR CONSULTATION

LOWER THAMES CROSSING
SUPPLEMENTARY CONSULTATION

DRAWING TITLE

CLIENT PROJECT

LOWER THAMES CROSSING

PROPOSALS FOR
CONSULTATION

CONSTRUCTION USE

Little Thurrock

Medebidge Road
PROPOSALS FOR CONSULTATION

GENERAL ARRANGEMENT PLAN

SHEET 16b

South Ockendon

Utility Works

North Ockendon

M25

Sheet 16a

Sheet 16b

South Ockendon

Fen Lane

LOWER THAMES CROSSING
SUPPLEMENTARY CONSULTATION