

Thurrock Transport Strategy Rough Order of Cost Estimate

May 2026
Revision 3

ROUGH ORDER OF COST ESTIMATE
Thurrock Transport Strategy

CONTROL ISSUE SHEET

Rev	Status	Prepared By (name/position/date)	Checked By (name/position/date)	Authorised By (name/position/date)	Comments
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1.1 EXECUTIVE SUMMARY

- A This Rough Order of Cost Estimate is for the construction works of an option to develop the Thurrock Council Transport Plan. It excludes all other project delivery related costs.
- B The order of costs are reported at today's prices. It excludes future price inflation or fluctuation and has been estimated based on the Basis of Information, Assumptions and Exclusions listed on Section 2 of this report.
- C The order of cost is provided for initial appraisal purposes and covers the construction of civil engineering works over various sites as defined within the documents listed within Section 2 of this document.
- D It is important to note that the order of cost is based on high level, indicative information only. No engineering details were provided. In most instances the routes are indicative only.
- E Estimates are based on high level descriptive quants only. Additional assumptions are qualified within the Basis of Cost Estimate tabs.
- F A notional allowance towards cost risks has been added as a contingency. This is a nominal provision towards the risk of additional works, scope development and other related cost increases. It does not consider developed risk assessments, budget management coverage, optimism bias and the like; as such the provision should be reviewed against a detailed risk assessment before any commitments to develop are made.

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1.2 EXECUTIVE COST SUMMARY

Ref	Project Category	Project nature	Indicative Cost
	Major active travel projects		
1.1	Purfleet-On-Thames	Longstanding local issue	£4,400,000
	- Multimodal Rail Crossing Bridge		
1.2	West Thurrock	Longstanding local issue	£1,100,000
	- Pedestrian and cycle improvements across the M25/A282		
1.3	Lakeside, Chafford Hundred and Stifford Clays	Longstanding local issue	£2,300,000
	- Walking and cycle improvements across the M25/A282		
1.4	Grays, South Stifford & Little Thurrock / Tilbury	Longstanding local issue	£18,400,000
	- Grays active travel link		
1.5	East Tilbury	Longstanding local issue	£15,700,000
	- Active travel link - Princess Margaret Road level crossing		
1.6	East Tilbury / Chadwell St Mary	Longstanding local issue	Excluded
	- Active Travel Link		
1.7	East Tilbury / Stanford-le-Hope	Longstanding local issue	£8,000,000
	- Active Travel Link		
1.8	Southfields & Orsett	Longstanding local issue	£3,200,000
	- Shared path along A128 Brentwood Road		
	Sustainable transport corridors		
2.1	Aveley / South Ockendon	Longstanding local issue	£13,200,000
	- Oak & Ash Plantation sustainable bridge		
2.2	Grays, South Stifford & Little Thurrock	Longstanding strategic issue	£38,800,000
	- Orsett Road / Southend Road bus and active travel corridor		
2.3	Canvey Island	Longstanding strategic issue	£216,500,000
	- Bus and active travel link - A1014 Manorway & Canvey Island		
2.4	Tilbury	Recent Strategic Challenge	Excluded
	- Pontoon Extension		
	Local railway projects		
3.1	South Ockendon	Longstanding strategic issue	£21,700,000
	- Dynamic loop		
3.2	Purfleet	Growth-led	£9,800,000
	- Station Building Refurbishment		
3.3	Grays, South Stifford & Little Thurrock	Longstanding strategic issue	£22,700,000
	- Grays station upgrade & closure of High Street level crossing		
3.4	Stanford-le-hope	Growth-led	Excluded
	- Station Building		
3.5	Stanford-le-Hope	Longstanding strategic issue	£66,700,000
	- Electrification of Thames Haven branch line		
3.6	Cross-boundary projects	Longstanding strategic issue	Excluded
	- Cross-river railway		
3.7	Corringham, Fobbing and Lower Langdon	Growth-led	£16,200,000
	- Proposed New Station		

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1.2 EXECUTIVE COST SUMMARY

Major highway projects

4.1 Aveley	Longstanding local issue and Growth-led	£9,000,000
- Ship Lane to Stifford Road, Lance Corporal Nicky Mason Way		
4.2 South Ockendon	Growth-led	£44,500,000
- Ockendon Road Link, A13 Stifford Interchange - B186		
4.3 Ockendon road Link Extension	Growth-led	£26,400,000
- Link Between B186 North Road and West Road		
4.4 Purfleet on Thames	Longstanding local issue	£18,800,000
- London Road Realignment with new Bridge across Railway Line		
4.5 Purfleet on Thames	Recent strategic challenge	£37,200,000
- Dualling carriageway of the A1306 Arterial Road		
4.6 Purfleet on Thames	Longstanding strategic issue	£2,700,000
- J31 Signal Improvements		
4.7 West Thurrock	Longstanding strategic issue	£9,200,000
- Weston Avenue realignment		
4.8 West Thurrock	Longstanding strategic issue	£17,000,000
- Stoneness Road Bridge improvement		
4.9 Lakeside, Chafford Hundred and Stifford Clays	Longstanding strategic issue	£41,400,000
- Dualling carriageway of the A1306		
4.10 Lakeside, Chafford Hundred and Stifford Clays	Longstanding strategic issue	£4,037,917
- Stifford Interchange improvements		
4.11 Tilbury	Longstanding strategic issue	£156,100,000
- A1089 St Andrews Road roundabout		
4.12 Chadwell St Mary	Longstanding strategic issue	£1,500,000
- Cross Keys Junction redesign		
4.13 Chadwell St Mary	Growth-led	Excluded
- Southeast Road link		
4.14 Chadwell St Mary	Longstanding local issue	£46,800,000
- Chadwell St Mary northeast Road Link		
4.15 East Tilbury	Longstanding local issue	£120,400,000
- East Tilbury Road Link with new bridge over the railway		
4.16 East Tilbury	Longstanding local issue	£28,600,000
- East Tilbury Eastern bridge		
4.17 Stanford-le-Hope	Longstanding local issue and Growth-led	Excluded
- Stanhope Road Link		
4.18 Corringham, Fobbing and Lower Langdon -	Recent strategic challenge	£28,400,000
Northeast Road Link - Linford Road & Brentwood Road		
4.19 Southfields & Orsett	Longstanding strategic issue	Excluded
- Closure of A1013 arms		
4.20 Cross-boundary projects	Longstanding strategic issue	£5,929,398
- J30 dedicated left-turn slips		
Pontoon		
5.1 Purfleet on Thames		£7,500,000
- Purfleet Pontoon		

CONSTRUCTION COST TOTAL	£1,064,167,315
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FEES

Project/ Design Fees	10%	£106,416,731
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OTHER PROJECT COST TOTAL	£106,416,731
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GRAND TOTAL - ROUGH ORDER OF COST (@ 1st QTR 2026 PRICING LEVELS)	£1,170,584,046
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

1.3 BASIS OF INFORMATION, ASSUMPTIONS & EXCLUSIONS

2.1 BASIS OF INFORMATION

This cost estimate has been prepared using the following base information:

nr	Document Reference List	Rev
1	Thurrock Transport Strategy 2026-2050: Growing Together Through Smarter Journeys	n/a
2	20251217 South Ockendon and West Horndon proposed interventions - Price Submitted Separately	n/a
3	20251211 Thurrock Junction Mitigations - Price Submitted Separately	n/a
4	20260129 Thurrock Junction Mitigations - Price Submitted Separately	n/a
5	20260515 Thurrock Junction Mitigations - Additional Sites V3 (Stifford Interchange Only)	V3

2.2 SITE SPECIFIC ASSUMPTIONS

- 1.1 Purfleet-On-Thames - Multimodal Rail Crossing Bridge
Double Banked Footbridge 15m, Total 60m Ramped

- 1.2 West Thurrock - Pedestrian and cycle improvements across the M25/A282
Traffic Free, Assumed width 4.0m

- 1.3 Lakeside, Chafford Hundred and Stifford Clays -Walking and cycle improvements across the M25/A282
Traffic Free, Assumed width 4.0m

- 1.4 Grays, South Stifford & Little Thurrock / Tilbury - Grays active travel link
Traffic Free, Assumed width 4.0m
New Bridge across creek (assumed 15m span, 4m wide)
New Bridge optional - Extension to route - bridge across the railway to Curzon Street
(assumed 40m span, 4m wide)

- 1.5 East Tilbury -Active travel link across Princess Margaret Road level crossing
Traffic Free, Assumed width 4.0m
Extension to route - bridge across the railway to Curzon Street
(assumed 40m span, 4m wide)

- 1.6 East Tilbury / Chadwell St Mary - Active Travel Link
Excluded

- 1.7 East Tilbury / Stanford-le-Hope - Active Travel Link
Traffic Free, Assumed width 4.0m

- 1.8 Southfields & Orsett - Shared path along A128 Brentwood Road
Cycle path - Shared Path Along side A128 Brentwood, width 3m
Footpaths - Upgrading to existing Path Along side A128 Brentwood, width 2m

Sustainable transport corridors

- 2.1 Aveley / South Ockendon - Oak & Ash Plantation sustainable bridge
Primary Road, allowance for 10m each side of Oak and Ash Plantation Bridge, width 7.2m
Proposed bridge: 85m x 9m , 2Nr Footpaths 2m width, one each side. Replacement of Vehicle parapets

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1.3 BASIS OF INFORMATION, ASSUMPTIONS & EXCLUSIONS

2.2 Grays, South Stifford & Little Thurrock - Orsett Road / Southend Road bus and active travel corridor

Bus Route; width 6m

On-street / advisory routes to LTN1/20 standards, Assumed width 3.0m

Allowance for bus stop per 400m

2.3 Canvey Island - Bus and active travel link between the A1014 Manorway and Canvey Island

This a substantial scheme, potentially subject to a Development Consent Order.

No information has been provided (indicative design or ground information).

All figures are PROVISIONAL ONLY.

2.4 Tilbury - Pontoon Extension

Excluded

Local railway projects

3.1 South Ockendon - Dynamic loop

Ballast Track, CAT11, required length 200m

CAT 71 NR60 Turnout, 4Nr Required

Contractor's Preliminaries - included in rates - 35%

Main Contractor's Overheads and Profit - 12%

Contractor Design Fees. Design based on percentage average; Analysed against Construction Works - 13%

Employers Project costs; Project Team Fees based on percentage average - applied to Total Construction Costs, Design and Other Project Costs - 9%

Other Project Costs; Other Project Cost based on percentage of average; Analysed against Construction Works (This includes Schedule 4 / Consents) - 8%

3.2 Purfleet - Station Building Refurbishment

Refurbishment of Existing Platform; assume 50% of Platform. Size of station assumed to be 150m long, 2.5m width

Canopies : All in rate for medium to high specification; assumed all new to entire platforms.

Bridge Over Platform, standard with both pedestrian access and DDA compliance lift

3.3 Grays, South Stifford & Little Thurrock - Grays station upgrade (platform 3 extension) and closure of High Street

level crossing

Rail Contractor's Preliminaries - 20%

Rail Contractor's OHP - 9%

Rail Contractor's Design Fees - 9%

Rail Contractor's Project Management - 8%

Allowance for rail asset disruption - 4%

Notional allowance for delivery risks and undefined scope - 20%

3.4 Stanford-le-hope - Station Building

Excluded

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1.3 BASIS OF INFORMATION, ASSUMPTIONS & EXCLUSIONS

3.5 Stanford-le-Hope - Electrification of Thames Haven branch line

HV Distribution; 'all in' rate covering all cabling and lineside Feeder Stations and Cabins etc. 18,000m

Allowance for piles, masts and cable, 12,000m

Extra over for sidings 6,000m

Ballast Track; Re-alignment as required 6,000m

20% of Signalling Costs allowance for SCADA and immunisation

Contractor's Preliminaries - included in rates - 35%

Main Contractor's Overheads and Profit 10%

Contractor Design Fees. Design based on percentage average; Analysed against Construction Works 11%

Employers Project costs; Project Team Fees based on percentage average - applied to Total Construction Costs, Design and Other Project Costs 8%

Other Project Costs; Other Project Cost based on percentage of average; Analysed against Construction Works (This includes Schedule 4 / Consents) 4%

3.6 Cross-boundary projects - Cross-river railway

Excluded

3.7 Corringham, Fobbing and Lower Langdon Proposed New Station

Creation of Two New Platforms; 200m long, 2.5m width

Bridge Over Platform, standard with both pedestrian access and DDA compliance lift

Major highway projects

4.1 Aveley Road Link, Ship Lane to Stifford Road, Lance Corporal Nicky Mason Way

Start of Aveley Road very bad condition; so assuming all new road construction

Road Width 7.2m; footpath to one side

Installation of new lighting columns every 50m

Installation of new Traffic Signs every 150m

4.2 Ockendon Road Link between A13 Stifford Interchange and B186 North Road

Primary Road to be assumed new construction from High Road Roundabout to Thurrock Model Flying club

Primary Road width 6.4m ; footpath to one side

Installation of new lighting columns every 50m

Installation of new Traffic Signs every 150m

4.3 Ockendon road Link Extension - Link Between B186 North Road and West Road

Assumed all new road construction

Primary Road width 6.4m ; footpath to one side

Installation of new lighting columns every 50m

Installation of new Traffic Signs every 150m

Construction of new Proposed bridge: 48m Length x 8m with - footpath both sides. Foundation to Approachments, 2Nr 10 x 10m, 2m deep excavations foundations, with Rock Bolting and Netting

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1.3 BASIS OF INFORMATION, ASSUMPTIONS & EXCLUSIONS

4.4 Purfleet on Thames - London Road Realignment with new Bridge across Railway Line

Primary Road - London Road Realignment 50m to each side of Bridge, width 6.2m
 Footpaths - to Secondary Road - 1 one side to match joining road, width 2m
 New Road Bridge over Rail line: 55m x 10m , 2Nr Footpaths 2m width, one each side
 Road Lighting Columns assumed 8Nr required
 Remove and Replacement of Pedestrian Guardrails assumed 60m required
 Road Lighting Columns assumed 8nr required
 Traffic Signs assumed 10Nr required

4.5 Purfleet on Thames -Dualling carriageway of the A1306 Arterial Road

Primary Road; Dualling carriageway of the A1306 Arterial Road between Wennington Interchange and Botany Way, New Road 11m Width
 Primary Road; Dualling carriageway of the A1306 Arterial Road between Wennington Interchange and Botany Way, New Road Existing Area 12m Width

4.6 Purfleet on Thames - J31 Signal Improvements

MOVA (Microprocessor Optimised Vehicle Actuation) Integration to Junction 31, Installation of new High count Vehicle Detection System and replacement of Obsolete Controller; Assumed to be required to four functions, Arterial Road East, Arterial Road West, A282 Joining North, A282 Joining South

4.7 West Thurrock - Weston Avenue realignment

Primary Road - London Road Realignment 50m to each side of Bridge, width 6.2m
 Footpaths - to Secondary Road - 1 one side to match joining road, width 2m
 Installation of new lighting columns - ground mounted, Assumed 8nr required

4.8 West Thurrock - Stoneness Road Bridge improvement

Assumed - segregated active travel bridge (40m x 4m)

4.9 Lakeside, Chafford Hundred and Stifford Clays - Dualling carriageway of the A1306

Bus Route - width 6.0m
 Footpaths - width 2m
 Treace Mine Roundabout, Priced Separately under Thurrock Junction Mitigations
 Pilgrims Lane Roundabout, Priced Separately under Thurrock Junction Mitigations

4.10 Lakeside, Chafford Hundred and Stifford Clays - Stifford Interchange improvements

Priced using indicative design information within '20260515 Thurrock Junction Mitigations - Additional Sites V3'

Note: Treace Mine roundabout priced separately in Thurrock Junction Mitigations.

4.11 Tilbury - A1089 St Andrews Road roundabout

Assumed that the A1089 is elevated above the junction.
 Assumed no underpasses or tunnels required.
 Assumed additional land is available for temporary diversion of A1089
 No Design Information Required, Provisional Sums just only in Junction Pricing
 Main Bridge Structure, Assumed 150m length, 12m width
 New Roads; assumed 6m wide

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

1.3 BASIS OF INFORMATION, ASSUMPTIONS & EXCLUSIONS

4.12 Chadwell St Mary - Cross Keys Junction redesign

Primary Road - 3 Lane Brentford Road to Chadwell Hill width 12m
 Primary Road - 3 Lane Linford Road width 11m
 Primary Road - 2 Lane Rover View Road to St Stephen Cres - width 7.2m
 Road Lighting Columns assumed 4Nr required
 Traffic Signs assumed 6Nr Required

4.13 Chadwell St Mary - Southeast Road link

Excluded

4.14 Chadwell St Mary - Chadwell St Mary northeast Road Link

Brentford Road to Chadwell Hill, 3 Lane, width 12m
 Linford Road, 3 Lane, width 11m
 Rover View Road to St Stephen Cres, 2 Lane, width 7.2m

4.15 East Tilbury - East Tilbury Road Link with new bridge over the railway

Bus Route - width 6.0m
 New-build Road - 4m wide

4.16 East Tilbury - East Tilbury Eastern bridge

New Roads, assumed with 6m
 Traffic Free Roads, assumed width 4m

4.17 Stanford-le-Hope - Stanhope Road Link

Excluded

4.18 Corringham, Fobbing and Lower Langdon -

Northeast Road Link - Linford Road & Brentwood Road
 Primary Road B1420 Southend Road realignment - width 6.4m
 Primary Road New Link to Fobbing Road - width 5.5m
 Primary Road New Link to Fobbing Road (Inglefield Road) - width 5.5m
 Proposed bridge: 40m x 9.2m - footpath both sides

4.19 Southfields & Orsett - Closure of A1013 arms

Excluded

4.20 Cross-boundary projects - J30 dedicated left-turn slips

The transport strategy identified that all arms of the roundabout should be given dedicated left slip lanes.

This does not seem practical or possible for all (exit from Ship Lane as an example).
 Price based on 4nr 200m slip lanes.

Pontoon

5.1 Purfleet Pontoon

New 30m Long Pontoon and 28 Tonne glass and metal covered linkspan; Construction assumed similar to Gosport Interchange. Situated on East and West Banks of the Thames.
 Construction costs for Pontoon only, no works to quayside for pedestrian access

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Thurrock Transport Strategy

1.3 BASIS OF INFORMATION, ASSUMPTIONS & EXCLUSIONS

2.3 KEY ASSUMPTIONS

- 1 Estimated costs have been prepared using current day pricing levels (Q1 2026), with no allowances included for Tender and Construction inflation.
- 2 The design received to produce this cost report was limited and varied in detail across the various aspects of the scheme.
- 3 The roundabouts provided layout sketches and were priced on indicative quantities.
- 4 The West Horndon and South Ockendon proposals are high-level rates based upon indicative quantities in the schedule.
- 5 No engineering details or proposals (section, specifications etc.) were made available for the creation of this indicative cost estimate.
- 6 Road build-ups/ thicknesses/ materials have been assumed as denoted within each specific project tab.
- 7 Programme durations have been assumed as denoted within each specific tab.
The programme has been assumed for the purposes of calculating specific prelim items (such as specialised traffic management) only.
- 8 All excavation and disposal activities are priced on the assumption that the materials are inert and free from contamination or excessive moisture.
- 9 No Utility/ STAT information has been provided.
- 10 Professional fees are included at a rate of 10% (notional allowance only).
- 11 Client management fees/ costs are excluded unless explicitly included (some rail schemes only).

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Thurrock Transport Strategy

1.3 BASIS OF INFORMATION, ASSUMPTIONS & EXCLUSIONS

2.4 EXCLUSIONS

The below are a list of key exclusions that have been made to inform the basis of our costs:-

- 1 Value Added Tax.
- 2 Land acquisition costs and fees.
- 3 Securing a Development Consent Order (DCO) if it's deemed a Nationally Significant Infrastructure Project.
- 4 Client finance, legal or marketing costs.
- 5 Planning and building regulation fees.
- 6 Fees or costs associated with rights of light agreement, party wall awards, oversailing agreements etc.
- 7 Project or Development Insurances.
- 8 Benefits arising from any potential Capital Allowances or other government incentives/grants.
- 9 Currency and exchange rate fluctuations.
- 10 Inflation in market prices beyond 1st Quarter 2026
- 11 Statutory changes.
- 12 Works outside of the site boundary except where specifically stated.
- 13 Section 278 Contributions.
- 14 Community Infrastructure Levy Contributions or similar.
- 15 Costs relating from force majeure events.
- 16 Changes in costs and / or programme caused by an epidemic or pandemic disease; advice or guidance issued and / or laws or actions taken by the UK Government or other relevant governmental or regulatory bodies (including the NHS) in the UK (or abroad) in relation thereto.
- 17 Fees, works or costs associated with abnormal ground conditions / remediation / asbestos - beyond specific allowances stated.
- 18 Utility reinforcement, diversion, amendment or upgrade - beyond allowances stated.
- 19 Works associated with any rail infrastructure.
- 20 Underpinning or repair of adjoining structures.
- 21 Archaeological investigations and exploratory or resulting works.
- 22 Dealing with unidentified / unknown existing below ground services.
- 23 Spares and maintenance costs.
- 24 Mock-ups, prototypes, off site benchmark and the like.
- 25 Costs associated with vacant possession.
- 26 Construction methodology impacted by site restrictions either present or imposed in the future.
- 27 Abnormal enabling works not specifically noted.
- 28 Any accommodation works to neighbouring properties, open spaces or communities.

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1.1 COST BUILD-UP - Major Active Travel Projects - Purfleet-On-Thames

Active travel bridge across railway line by Timber Board Mills

Description	Qty	Unit	Rate	Total Cost (£)
Roads				
<u>New Roads</u>	nil	m		excluded
<u>Upgrade of existing Roads</u>	nil	m		excluded
Roads - SUBTOTAL				£ -

Structures

New Multimodal bridge across railway line by Timber Board Mills

New Bridge over Railway

Proposed bridge: assumed

Assumed total New bridge

1 sum £ 2,884,488 £ 2,884,488

Structures - SUBTOTAL £ 2,884,488

Construction Costs - SUBTOTAL £ 2,884,488

Contractor's Preliminaries - included in rates 0% £ 2,884,488 £ -

Notional allowance for delivery risks and undefined scope 50% £ 2,884,488 £ 1,442,244

Total Construction Cost @ Q1 2026 Price Levels £ 4,326,732

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1.2 COST BUILD-UP - Major Active Travel Projects - West Thurrock

Pedestrian and cycle improvements across the M25/A282

– Path along A1090 London Road under the bridge

Description	Qty	Unit	Rate	Total Cost (£)
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Roads

New Roads

Upgrade of existing Roads

Roads - SUBTOTAL £ -

Active Travel

Traffic Free

Assumed width 4.0m

New-build

nil m £ - excluded

Upgrade Existing

500 m £ 1,398 £ 699,165

On-street / advisory routes to LTN1/20 standards

Active Travel - SUBTOTAL £ 699,165

Structures

Structures - SUBTOTAL £ -

Bus Route

Bus Route - SUBTOTAL £ -

Construction Costs - SUBTOTAL £ 699,165

Contractor's Preliminaries - included in rates

0% £ 699,165 £ -

Notional allowance for delivery risks and undefined scope

50% £ 699,165 £ 349,583

Total Construction Cost @ Q1 2026 Price Levels £ 1,048,748

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1.3 COST BUILD-UP - Major Active Travel Projects - Lakeside, Chafford Hundred and Stifford Clays

Walking and cycle improvements across the M25/A282 – A1306

Arterial Road

Description	Qty	Unit	Rate	Total Cost (£)
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Roads

Roads - SUBTOTAL				£ -
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Active Travel

Traffic Free

Assumed width 4.0m

New-build

nil

m

£

-

excluded

Upgrade Existing

1,050

m

£

1,398

£

1,468,247

(assumed 1nr total, not either side of existing road)

Active Travel - SUBTOTAL				£ 1,468,247
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Structures

Structures - SUBTOTAL				£ -
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Bus Route

Bus Route - SUBTOTAL				£ -
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Construction Costs - SUBTOTAL				£ 1,468,247
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Contractor's Preliminaries - included in rates

0%

£

1,468,247

£

-

Notional allowance for delivery risks and undefined scope

50%

£

1,468,247

£

734,123

Total Construction Cost @ Q1 2026 Price Levels				£ 2,202,370
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Thurrock Transport Strategy

1.4 COST BUILD-UP - Major Active Travel Projects - Grays, South Stifford & Little Thurrock / Tilbury

Tilbury – Grays active travel link – Bridge over the creek linking

Thurrock Park Way with Elm Road open space and FP 186

Description	Qty	Unit	Rate	Total Cost (£)
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Roads

Roads - SUBTOTAL				£	-
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Active Travel

Traffic Free

Assumed width 4.0m

New-build

360 m £ 2,044 £ 735,840

Required

New-build

205 m £ 2,044 £ 419,020

Optional Extension to Curzon Drive

On-street / advisory routes to LTN1/20 standards

Active Travel - SUBTOTAL				£	1,154,860
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Structures

Required

Bridge across creek (assumed 15m span, 4m wide)

1 sum £ 1,600,000 £ 1,600,000

Optional

Extension to route - bridge across the railway to Curzon Street
(assumed 40m span, 4m wide)

1 sum £ 8,000,000 £ 8,000,000

Associated embankments and grading works

1 sum £ 1,500,000 £ 1,500,000

Structures - SUBTOTAL				£	11,100,000
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Bus Route

Bus Route - SUBTOTAL				£	-
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ROUGH ORDER OF COST ESTIMATE
Thurrock Transport Strategy

1.4 COST BUILD-UP - Major Active Travel Projects - Grays, South Stifford & Little Thurrock / Tilbury

Construction Costs - SUBTOTAL					£	12,254,860
Contractor's Preliminaries - included in rates	0%	£	12,254,860	£		-
Notional allowance for delivery risks and undefined scope	50%	£	12,254,860	£		6,127,430
Total Construction Cost @ Q1 2026 Price Levels					£	18,382,290

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

1.5 COST BUILD-UP - Major Active Travel Projects - East Tilbury

East Tilbury -Active travel link across Princess Margaret Road level crossing

Description	Qty	Unit	Rate	Total Cost (£)
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Roads

Roads - SUBTOTAL				£ -
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Active Travel

Traffic Free

Assumed width 4.0m

New-build

200 m £ 2,044 £ 408,800

Upgrade Existing

nil m £ - excluded

On-street / advisory routes to LTN1/20 standards

Active Travel - SUBTOTAL				£ 408,800
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Structures

Extension to route - bridge across the railway to Curzon Street
(assumed 40m span, 4m wide)

1 sum £ 8,000,000 £ 8,000,000

Associated embankments and grading works

1 sum £ 1,500,000 £ 1,500,000

Closure of existing level crossing

Security Fencing only (lineside infrastructure unaltered)

1 sum £ 50,000 £ 50,000

Extra over, removal of lineside infrastructure (decking, signals etc)

1 sum £ 500,000 £ 500,000

Structures - SUBTOTAL				£ 10,050,000
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Bus Route

Bus Route - SUBTOTAL				£ -
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Construction Costs - SUBTOTAL				£ 10,458,800
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Contractor's Preliminaries - included in rates

0% £ 10,458,800 £ -

Notional allowance for delivery risks and undefined scope

50% £ 10,458,800 £ 5,229,400

Total Construction Cost @ Q1 2026 Price Levels				£ 15,688,200
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

1.7 COST BUILD-UP - Major Active Travel Projects - East Tilbury / Stanford-le-Hope

East Tilbury – Stanford-le-Hope active travel link – Dedicated path
along the railway line between Princess Margaret Road and Butts
Lane

Description	Qty	Unit	Rate	Total Cost (£)
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Roads

Roads - SUBTOTAL				£ -
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Active Travel

Traffic Free

Assumed width 4.0m

New-build

2,600 m £ 2,044 £ 5,314,400

Upgrade Existing

nil m £ - excluded

On-street / advisory routes to LTN1/20 standards

Active Travel - SUBTOTAL				£ 5,314,400
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Structures

Structures - SUBTOTAL				£ -
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Bus Route

Bus Route - SUBTOTAL				£ -
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Construction Costs - SUBTOTAL				£ 5,314,400
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Contractor's Preliminaries - included in rates 0% £ 5,314,400 £ -

Notional allowance for delivery risks and undefined scope 50% £ 5,314,400 £ 2,657,200

Total Construction Cost @ Q1 2026 Price Levels				£ 7,971,600
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

1.8 COST BUILD-UP - Major Active Transport Projects - Southfields & Orsett

Southfields & Orsett - Shared path along A128 Brentwood Road

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Shared Path along side A128 Brentwood Road, Starting Orsett</u>					
Cock Roundabout to Prince Charles Avenue					
Cycle path - Shared Path Along side A128 Brentwood, width 3m	930	m	£ 1,533	£	1,425,690
<u>Upgrade of existing Roads</u>					
Footpaths - Upgrading to existing Path Along side A128 Brentwood, width 2m	930	m	£ 699	£	650,223
Roads - SUBTOTAL				£	2,075,913

Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts

Road Lighting Columns

Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts - SUBTOTAL				£	-
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Traffic Signs

Traffic Signs - SUBTOTAL				£	-
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Electrical Work for Road Lighting and Traffic Signs

Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL				£	-
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Construction Costs - SUBTOTAL				£	2,075,913
Contractor's Preliminaries - included in rates	0%	£	2,075,913	£	-
Notional allowance for delivery risks and undefined scope	50%	£	2,075,913	£	1,037,957
Total Construction Cost @ Q1 2026 Price Levels				£	3,113,870

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

2.1 COST BUILD-UP - Sustainable Transport Corridors - Aveley / South Ockendon

Oak & Ash Plantation sustainable bridge – Bus and active travel link
across the M25 between Aveley and South Ockendon

Description	Qty	Unit	Rate	Total Cost (£)
Roads				
<u>New Roads</u>				
<u>Upgrade of existing Roads</u>				
Primary Road, allowance for 10m each side of Oak and Ash Plantation Bridge, width 7.2m	20	m	£ 4,420	£ 88,398
Roads - SUBTOTAL				£ 88,398

Structures

Upgrade to Oak and Ash Plantation Bridge

Upgrade all models

Existing bridge: 85m x 9m , 2Nr Footpaths 2m width, one each side

Proposed bridge: 85m x 9m , 2Nr Footpaths 2m width, one each side.

Replacement of Vehicle parapets

Assumed resurfacing existing structure

1 sum £ 8,703,275 £ 8,703,275

Structures - SUBTOTAL				£ 8,703,275
Construction Costs - SUBTOTAL				£ 8,791,673
Contractor's Preliminaries - included in rates	0%	£	8,791,673	£ -
Notional allowance for delivery risks and undefined scope	50%	£	8,791,673	£ 4,395,836
Total Construction Cost @ Q1 2026 Price Levels				£ 13,187,509

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

2.2 COST BUILD-UP - Sustainable transport corridors - Grays, South Stifford & Little Thurrock

London Road – Orsett Road / Southend Road bus and active travel corridor

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Roads</u>					
<u>Upgrade of existing Roads</u>					
Bus Route; width 6m	4,230	m	£ 4,550	£	19,246,500
Roads - SUBTOTAL				£	19,246,500
Active Travel					
<u>Traffic Free</u>					
<u>On-street / advisory routes to LTN1/20 standards</u>					
Assumed width 3.0m					
New-build	nil	m	£ -		excluded
Upgrade Existing	4,230	m	£ 1,533	£	6,484,590
(assumed 1nr total, not either side of existing road)					
Active Travel - SUBTOTAL				£	6,484,590
Structures					
Structures - SUBTOTAL				£	-
Bus Route					
Additional allowance for bus stops and associated street furniture to new bus route.					
Measure approximated from screenshot of Figure 6-6.					
Measured along red dashed line in areas with no existing bus services.					
Allowance for bus stop per 400m	11	nr	£ 12,000	£	126,900
Bus Route - SUBTOTAL				£	126,900
Construction Costs - SUBTOTAL				£	25,857,990
Contractor's Preliminaries - included in rates	0%		£ 25,857,990	£	-
Notional allowance for delivery risks and undefined scope	50%		£ 25,857,990	£	12,928,995
Total Construction Cost @ Q1 2026 Price Levels				£	38,786,985

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

2.2 COST BUILD-UP - Sustainable transport corridors - Cross-boundary projects

Canvey Island Sustainable link – Bus and active travel link between the A1014 Manorway and Canvey Island

Description	Qty	Unit	Rate	Total Cost (£)
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Please note, this is a substantial scheme with a large bridge (circa 900m) spanning over an estuary with no design or ground conditions information provided.
All figures are provisional sums only.

Roads

New Roads

Bus Route	3,100	m	£	4,550	£	14,105,000
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Roads - SUBTOTAL	£	14,105,000
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Active Travel

Traffic Free

Assumed width 4.0m

New-build	3,100	m	£	2,044	£	6,336,400
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Active Travel - SUBTOTAL	£	6,336,400
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Structures

Allowance for superstructure - assumed width (6m + 4m)	1	sum	£	61,200,000	£	61,200,000
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Allowance for piers and piling - assumed number	18	sum	£	2,900,000	£	52,200,000
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Allowance extra over for poor ground conditions	20%	sum	£	52,200,000	£	10,440,000
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Structures - SUBTOTAL	£	123,840,000
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Construction Costs - SUBTOTAL	£	144,281,400
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Contractor's Preliminaries - included in rates	0%	£	144,281,400	£	-
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Notional allowance for delivery risks and undefined scope	50%	£	144,281,400	£	72,140,700
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Total Construction Cost @ Q1 2026 Price Levels	£	216,422,100
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

3.1 COST BUILD-UP - Local Railway Projects - South Ockendon

Dynamic loop on the railway line between Ockendon and Upminster

Description	Qty	Unit	Rate	Total Cost (£)	
<u>Railway Control Systems</u>					
<u>Signalling Systems</u>					
SEU conventional No ETCS	10	Nr	£ 310,717	£	3,107,173
Updates to control centre	1	Nr	£ 500,000	£	500,000
Railway Control Systems - SUBTOTAL				£	3,607,173
<u>Train Power Systems</u>					
<u>Electric Power and Plant</u>					
E&P Allowance (Railway Control Systems)	20%		£ 3,107,173	£	621,435
Train Power Systems - SUBTOTAL				£	621,435
<u>Permanent Way</u>					
<u>Switches and Crossings (S&C)</u>					
Ballast Track, CAT11	200	m	£ 1,200	£	240,000
<u>Turnout : State Type and Size</u>					
CAT 71 NR60 Turnout	4	Nr	£ 634,234	£	2,536,938
<u>Abandonment, Recovery and Disposal of Redundant Equipment</u>					
Removal of existing track	200	m	£ 117	£	23,490
<u>Switches and Crossings</u>					
Removal / Recovery of existing S&C	4	Nr	£ 42,419	£	169,675
Tamping : Minor alignment and recanting track :	200	stm	£ 30	£	6,000
Permanent Way - SUBTOTAL				£	2,976,103
<u>Operational Telecommunication Systems</u>					
40% of Signalling Costs due to dynamic loop requirements	40%		£ 3,607,173	£	1,442,869
Operational Telecommunication Systems - SUBTOTAL				£	1,442,869
<u>Site Clearance and Preparation Works</u>					
clearance for sight lines etc	400	m	£ 150	£	60,000
Site Clearance and Preparation Works - SUBTOTAL				£	60,000
Construction Costs - SUBTOTAL				£	8,707,580

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

3.1 COST BUILD-UP - Local Railway Projects - South Ockendon

Contractor's Preliminaries - included in rates	35%	£	8,707,580	£	3,047,653
Main Contractor's Overheads and Profit	12%	£	11,755,233	£	1,410,628
Contractor Design Fees. Design based on percentage average; Analysed against Construction Works	13%	£	13,165,861	£	1,645,733
Employers Project costs; Project Team Fees based on percentage average - applied to Total Construction Costs, Design and Other Project Costs	9%	£	15,864,862	£	1,427,838
Other Project Costs; Other Project Cost based on percentage of average; Analysed against Construction Works (This includes Schedule 4 / Consents)	8%	£	13,165,861	£	1,053,269
Notional allowance for delivery risks and undefined scope	50%	£	8,707,580	£	4,353,790

Total Construction Cost @ Q1 2026 Price Levels	£	21,646,490
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

3.2 COST BUILD-UP - Local Railway Projects - Purfleet

Purfleet station upgrade and new active travel bridge

Description	Qty	Unit	Rate	Total Cost (£)
Rail Lines				
Refurbishment of Existing Platform; assume 50% of Platform. Size of station assumed to be 150m long, 2.5m width	375	m2	£ 2,538	£ 951,795
Canopies : All in rate for medium to high specification; assumed all new to entire platforms.	600	m2	£ 1,856	£ 1,113,600
Bridge Over Platform, standard with both pedestrian access and DDA compliance lift	1	Sum	£ 3,000,000	£ 3,000,000
Rail Lines - SUBTOTAL				£ 5,065,395

Rail line Crossings, Bridges and Underpasses

Closure and removal of London Road Level Crossing - Priced elsewhere

Rail line Crossings, Bridges and Underpasses - SUBTOTAL				£ -
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Construction Costs - SUBTOTAL				£ 5,065,395
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Rail Contractor's Preliminaries	20%	£	5,065,395	£	1,013,079
Rail Contractor's OHP	9%	£	6,078,474	£	547,063
Rail Contractor's Design Fees	9%	£	6,625,537	£	596,298
Rail Contractor's Project Management	8%	£	7,221,835	£	577,747
Allowance for rail asset disruption	4%	£	7,799,582	£	311,983
Notional allowance for delivery risks and undefined scope	20%	£	8,111,565	£	1,622,313

Total Construction Cost @ Q1 2026 Price Levels				£	9,733,878
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

3.3 COST BUILD-UP - Local Railway Projects - Grays, South Stifford & Little Thurrock

Grays station upgrade (platform 3 extension) and closure of High

Street level crossing

Description	Qty	Unit	Rate	Total Cost (£)
Rail Lines				
Extended Platform 3	345	m2	£ 2,538	£ 875,651
Roadside retaining wall	300	m2	£ 5,000	£ 1,500,000
Earthworks and embankment fill	1	sum	£ 1,000,000	£ 1,000,000

Rail Lines - SUBTOTAL £ 3,375,651

Rail line Crossings, Bridges and Underpasses

Closure and removal of existing pedestrian crossing.	1	sum	£ 400,000	£ 400,000
Implementation of active travel crossing.				£ -
Assumed bridge over rail lines and associated lifts	1	sum	£ 8,000,000	£ 8,000,000

Rail line Crossings, Bridges and Underpasses - SUBTOTAL £ 8,400,000

Construction Costs - SUBTOTAL £ 11,775,651

Rail Contractor's Preliminaries	20%	£	11,775,651	£ 2,355,130
Rail Contractor's OHP	9%	£	14,130,782	£ 1,271,770
Rail Contractor's Design Fees	9%	£	15,402,552	£ 1,386,230
Rail Contractor's Project Management	8%	£	16,788,782	£ 1,343,103
Allowance for rail asset disruption	4%	£	18,131,884	£ 725,275
Notional allowance for delivery risks and undefined scope	20%	£	18,857,160	£ 3,771,432

Total Construction Cost @ Q1 2026 Price Levels £ 22,628,592

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

3.5 COST BUILD-UP - Major Railway Projects - Stanford-le-Hope

Electrification of Thames Haven branch line

Description	Qty	Unit	Rate	Total Cost (£)	
<u>Railway Control Systems</u>					
<u>Signalling Systems</u>					
Immunisation and works to existing	21	Nr	£ 45,000	£	945,000
Updates to control centre / SCADA	1	Nr	£ 150,000	£	150,000
Railway Control Systems - SUBTOTAL				£	1,095,000
<u>Train Power Systems</u>					
<u>Power Distribution</u>					
HV Distribution; 'all in' rate covering all cabling and lineside Feeder Stations and Cabins etc.	18,000	STM	£ 250	£	4,500,000
<u>Overhead Line Equipment (OLE)</u>					
Allowance for piles, masts and cable	12,000	STM	£ 900	£	10,800,000
Extra over for sidings	6,000	STM	£ 750	£	4,500,000
Extra over for junctions	21	Nr	£ 50,000	£	1,050,000
Tieing into exisitng	1	Nr	£ 250,000	£	250,000
Train Power Systems - SUBTOTAL				£	21,100,000
<u>Permanent Way</u>					
Ballast Track; Re-alignment as required	6,000	m	£ 250	£	1,500,000
Permanent Way - SUBTOTAL				£	1,500,000
<u>Operational Telecommunication Systems</u>					
20% of Signalling Costs allowance for SCADA and immunisation	20%		£ 1,095,000	£	219,000
Operational Telecommunication Systems - SUBTOTAL				£	219,000
<u>Enabling works</u>					
Clearance of Vegetation; Devegetation	4,000	m	£ 45	£	180,000
Enabling works - SUBTOTAL				£	180,000
Construction - SUBTOTAL				£	24,094,000

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

3.5 COST BUILD-UP - Major Railway Projects - Stanford-le-Hope

Contractor's Preliminaries - included in rates	35%	£	24,094,000	£	8,432,900
Main Contractor's Overheads and Profit	10%	£	32,526,900	£	3,252,690
Contractor Design Fees. Design based on percentage average; Analysed against Construction Works	11%	£	35,779,590	£	3,935,755
Employers Project costs; Project Team Fees based on percentage average - applied to Total Construction Costs, Design and Other Project Costs	8%	£	41,146,529	£	3,291,722
Other Project Costs; Other Project Cost based on percentage of average; Analysed against Construction Works (This includes Schedule 4 / Consents)	4%	£	35,779,590	£	1,431,184

Construction Costs - SUBTOTAL £ 44,438,251

Contractor's Preliminaries - included in rates	0%	£	44,438,251	£	-
Notional allowance for delivery risks and undefined scope	50%	£	44,438,251	£	22,219,125

Total Construction Cost @ Q1 2026 Price Levels £ 66,657,376

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

3.7 COST BUILD-UP - Local Railway Projects - Corringham, Fobbing and Lower Langdon

Corringham, Fobbing and Lower Langdon Proposed New Station

Description	Qty	Unit	Rate	Total Cost (£)	
<u>Rail Station</u>					
Creation of Two New Platforms; 200m long, 2.5m width	1,000	m2	£ 2,538	£	2,538,120
Canopies : All in rate for medium to high specification	1,000	m2	£ 1,856	£	1,856,000
Earthworks and embankment fill	1	sum	£ 1,000,000	£	1,000,000
Bridge Over Platform, standard with both pedestrian access and DDA compliance lift	1	Sum	£ 3,000,000	£	3,000,000
Rail Station - SUBTOTAL				£	8,394,120
Construction Costs - SUBTOTAL				£	8,394,120
Rail Contractor's Preliminaries	20%	£	8,394,120	£	1,678,824
Rail Contractor's OHP	9%	£	10,072,944	£	906,565
Rail Contractor's Design Fees	9%	£	10,979,509	£	988,156
Rail Contractor's Project Management	8%	£	11,967,665	£	957,413
Allowance for rail asset disruption	4%	£	12,925,078	£	517,003
Notional allowance for delivery risks and undefined scope	20%	£	13,442,081	£	2,688,416
Total Construction Cost @ Q1 2026 Price Levels				£	16,130,497

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.1 COST BUILD-UP - Major highway projects Aveley

Aveley Road Link, Ship Lane to Stifford Road, Lance Corporal Nicky Mason Way

Description	Qty	Unit	Rate	Total Cost (£)
Roads				
<u>New Roads</u>				
Primary Road - width 7.2m	840	m	£ 6,190	£ 5,199,600
Footpaths - to Primary Road - 1 one side to match joining road	840	m	£ 812	£ 681,878

Roads - SUBTOTAL	£	5,881,478
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Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts

Road Lighting Columns

Installation of new lighting columns - ground mounted	18	nr	£ 3,000	£ 54,000
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Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts - SUBTOTAL	£	54,000
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Traffic Signs

Allowance for new signage	6	sum	£ 10,000	£ 60,000
Allowance for electrical work (to existing supplies only)	6	sum	£ 3,000	£ 18,000

Traffic Signs - SUBTOTAL	£	78,000
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Electrical Work for Road Lighting and Traffic Signs

Allowance for connections

Road Lighting Columns	18	sum	£ 2,000	£ 36,000
Traffic Signs	6	sum	£ 2,000	£ 12,000

Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL	£	48,000
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Construction Costs - SUBTOTAL	£	5,983,478
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Contractor's Preliminaries - included in rates	0%	£	5,983,478	£	-
Notional allowance for delivery risks and undefined scope	50%	£	5,983,478	£	2,991,739

Total Construction Cost @ Q1 2026 Price Levels	£	8,975,218
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.2 COST BUILD-UP - Major highway projects - South Ockendon option 1

Ockendon Road Link between A13 Stifford Interchange and B186 North Road

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
New Roads					
Primary Road - Ockendon Road Link, width 6.4m	2,970	m	£ 5,630	£	16,721,100
Footpaths - to Primary Road - 1 one side to match joining road	2,970	m	£ 812	£	2,410,927
Upgrade of existing Roads					
Primary Road, width 6.4m	1,720	m	£ 4,766	£	8,198,036
Footpaths - to all above	1,720	m	£ 812	£	1,396,227
Roads - SUBTOTAL				£	28,726,290
Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts					
Road Lighting Columns					
Installation of new lighting columns - ground mounted	95	nr	£ 3,000	£	285,000
Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts - SUBTOTAL				£	285,000
Traffic Signs					
Allowance for new signage	31	sum	£ 10,000	£	310,000
Allowance for electrical work (to existing supplies only)	31	sum	£ 3,000	£	93,000
Traffic Signs - SUBTOTAL				£	403,000
Electrical Work for Road Lighting and Traffic Signs					
Allowance for connections					
Road Lighting Columns	95	sum	£ 2,000	£	190,000
Traffic Signs	31	sum	£ 2,000	£	62,000
Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL				£	252,000
Construction Costs - SUBTOTAL				£	29,666,290
Contractor's Preliminaries - included in rates	0%	£	29,666,290	£	-
Notional allowance for delivery risks and undefined scope	50%	£	29,666,290	£	14,833,145
Total Construction Cost @ Q1 2026 Price Levels				£	44,499,436

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.3 COST BUILD-UP - Major highway projects - South Ockendon option 2

Ockendon road Link Extension - Link Between B186 North Road and West Road

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
New Roads					
Primary Road - width 6.4m	1,520	m	£ 5,630	£	8,557,600
Footpaths - to Primary Road - 1 one side to match joining road	1,520	m	£ 812	£	1,233,875
Upgrade of existing Roads					
Roads - SUBTOTAL				£	9,791,475
Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts					
Road Lighting Columns					
Installation of new lighting columns - ground mounted	31	nr	£ 3,000	£	93,000
Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts - SUBTOTAL				£	93,000
Traffic Signs					
Allowance for new signage	10	sum	£ 10,000	£	100,000
Allowance for electrical work (to existing supplies only)	10	sum	£ 3,000	£	30,000
Traffic Signs - SUBTOTAL				£	130,000
Electrical Work for Road Lighting and Traffic Signs					
Allowance for connections					
Road Lighting Columns	31	sum	£ 2,000	£	62,000
Traffic Signs	10	sum	£ 2,000	£	20,000
Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL				£	82,000
Structures					
New Road Bridge Across railway line					
New Mutlimodal Bridge over Rail line					
Proposed bridge: assumed 48 x 8m; additional5m					
Proposed bridge: 48m x 8m - footpath both sides					
Assumed total replacement of bridge	1	sum	£ 7,465,215	£	7,465,215
Structures - SUBTOTAL				£	7,465,215
Construction Costs - SUBTOTAL				£	17,561,690
Contractor's Preliminaries - included in rates	0%	£	17,561,690	£	-
Notional allowance for delivery risks and undefined scope	50%	£	17,561,690	£	8,780,845
Total Construction Cost @ O1 2026 Price Levels				£	26,342,535

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.4 COST BUILD-UP - Major Highway Project Corringham, Purfleet London Road Realignment with new Bridge Cross Railway Line

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Roads</u>					
<u>Upgrade of existing Roads</u>					
Primary Road - London Road Realignment 50m to each side of Bridge, width 6.2m	100	m	£ 4,830	£	483,000
Footpaths - to Secondary Road - 1 one side to match joining road, width 2m	100	m	£ 812	£	81,176
			Roads - SUBTOTAL	£	564,176
Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts					
<u>Road Lighting Columns</u>					
Removal of Existing Lighting Columns	8	Nr	£ 3,000	£	24,000
Installation of new lighting columns - ground mounted	8	Nr	£ 3,000	£	24,000
			Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts - SUBTOTAL	£	48,000
<u>Traffic Signs</u>					
Removal of Existing Signage	1	Sum	£ 2,000	£	2,000
Allowance for new signage	1	sum	£ 4,000	£	4,000
Allowance for electrical work (to existing supplies only)	1	sum	£ 5,000	£	5,000
			Traffic Signs - SUBTOTAL	£	11,000
<u>Street Furniture</u>					
Remove and Replacement of Pedestrian Guardrails	60	m	£ 2,500	£	150,000
			Street Furniture - SUBTOTAL	£	150,000
<u>Electrical Work for Road Lighting and Traffic Signs</u>					
Allowance for connections					
Road Lighting Columns	8	Nr	£ 2,000	£	16,000
Traffic Signs	10	Nr	£ 2,000	£	20,000
Adjustments to Existing Traffic Signals	1	sum	£ 50,000	£	50,000
Testing and Commissioning	1	sum	£ 5,000	£	5,000
			Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL	£	91,000

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.4 COST BUILD-UP - Major Highway Project Corringham, Purfleet

Structures

New London Road, Road Bridge

New Road Bridge over Rail line

New bridge: 55m x 10m , 2Nr Footpaths 2m width, one each side

Assumed total Construction of New Road Bridge	1	sum	£	11,088,410	£	11,088,410
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Closure of existing level crossing (Low Street/ Station Road)

Security Fencing only (lineside infrastructure unaltered)	1	sum	£	50,000	£	50,000
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Extra over, removal of lineside infrastructure (decking, signals etc)	1	sum	£	500,000	£	500,000
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Structures - SUBTOTAL	£	11,638,410
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Construction Costs - SUBTOTAL	£	12,502,586
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Contractor's Preliminaries - included in rates	0%	£	12,502,586	£	-
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Notional allowance for delivery risks and undefined scope	50%	£	12,502,586	£	6,251,293
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Total Construction Cost @ Q1 2026 Price Levels	£	18,753,879
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.5 COST BUILD-UP - Major Highway Project Corringham, Purfleet

Dualling carriageway of the A1306 Arterial Road

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Roads</u>					
Primary Road; Dualling carriageway of the A1306 Arterial Road between Wennington Interchange and Botany Way, New Road 11m Width	1,630	m	£ 8,050	£	13,121,500
<u>Upgrade of existing Roads</u>					
Primary Road; Dualling carriageway of the A1306 Arterial Road between Wennington Interchange and Botany Way, New Road Existing Area 12m Width	1,630	m	£ 7,142	£	11,640,645
Roads - SUBTOTAL				£	24,762,145
Structures					
Structures - SUBTOTAL				£	-
Bus Route					
Bus Route - SUBTOTAL				£	-
Construction Costs - SUBTOTAL				£	24,762,145
Contractor's Preliminaries - included in rates	0%	£	24,762,145	£	-
Notional allowance for delivery risks and undefined scope	50%	£	24,762,145	£	12,381,073
Total Construction Cost @ Q1 2026 Price Levels				£	37,143,218

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.6 COST BUILD-UP - Major Highway Project Corringham, Purfleet

J31 Signal Improvements

Description	Qty	Unit	Rate	Total Cost (£)
Roads				
Roads - SUBTOTAL				£ -

Traffic Signs and Signals

Traffic Signs

Allowance for Removal of Large Signs, 14Nr	1	Sum	£ 2,000	£ 2,000
Allowance for new Signage, 14Nr	1	Sum	£ 28,000	£ 28,000
New Signage To Bridge	1	Sum	£ 5,000	£ 5,000
Allowance for Electrical work to existing	1	Sum	£ 2,500	£ 2,500

Traffic Signals

Adjustments to existing Systems	1	Sum	£ 25,000	£ 25,000
MOVA (Microprocessor Optimised Vehicle Actuation) Integration to Junction 31, Installation of new High count Vehicle Detection System and replacement of Obsolete Controller; Assumed to be required to four junctions, Arterial Road East, Arterial Road West, A282 Joining North, A282 Joining South	4	Sum	£ 350,000	£ 1,400,000
Civils Works for The Above	20%			£ 280,000
Testing and Commissioning	1	Sum	£ 20,000	£ 20,000

Traffic Signs and Signals - SUBTOTAL £ 1,762,500

Construction Costs - SUBTOTAL £ 1,762,500

Contractor's Preliminaries - included in rates	0%	£	1,762,500	£ -
Notional allowance for delivery risks and undefined scope	50%	£	1,762,500	£ 881,250

Total Construction Cost @ Q1 2026 Price Levels £ 2,643,750

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.7 COST BUILD-UP - Major highway projects - West Thurrock

Weston Avenue realignment

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Roads</u>					
Primary Road - width 5.5m	50	m	£ 10,000	£	500,000
<u>Upgrade of existing Roads</u>					
			Roads - SUBTOTAL	£	500,000
Active Travel					
<u>Traffic Free</u>					
Assumed width 4.0m					
New-build	100	m	£ 2,044	£	204,400
Upgrade Existing	nil	m	£ 1,398		excluded
<u>On-street / advisory routes to LTN1/20 standards</u>					
			Active Travel - SUBTOTAL	£	204,400
<u>Additional</u>					
Land Purchase				excluded	excluded
Relocation of existing business				excluded	excluded
Site Clearance	1	sum	£ 200,000	£	200,000
Allowance for closing redundant bellmouth	1	sum	£ 200,000	£	200,000
Allowance for forming new junction - assumed roundabout	1	sum	£ 5,000,000	£	5,000,000
Allowance for traffic lights				excluded	excluded
			Additional - SUBTOTAL	£	5,400,000
<u>Bus Route</u>					
			Bus Route - SUBTOTAL	£	-
			Construction Costs - SUBTOTAL	£	6,104,400
Contractor's Preliminaries - included in rates	0%	£	6,104,400	£	-
Notional allowance for delivery risks and undefined scope	50%	£	6,104,400	£	3,052,200
			Total Construction Cost @ Q1 2026 Price Levels	£	9,156,600

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.8 COST BUILD-UP - Major highway projects - West Thurrock

Stoneness Road Bridge improvement

Description	Qty	Unit	Rate	Total Cost (£)
Active Travel				
<u>Traffic Free</u>				
Assumed width 4.0m				
New-build - tie-ins only	20	m	£ 3,066	£ 61,320
Upgrade Existing				
On-street / advisory routes to LTN1/20 standards				

Active Travel - SUBTOTAL £ 61,320

Structures

Assumed - segregated active travel bridge (40m x 4m)	1	sum	£ 6,000,000	£	6,000,000
Assumed - abutments for above	1	sum	£ 1,000,000	£	1,000,000
Assumed - no further structural works to existing road bridge	1	sum	excluded		excluded
Assumed - minor realignment (white lining only)	1	sum	£ 5,000	£	5,000

Structures - SUBTOTAL £ 7,005,000

Bus Route

Bus Route - SUBTOTAL £ -

Construction Costs - SUBTOTAL £ 7,066,320

Rail Contractor's Preliminaries	20%	£	7,066,320	£	1,413,264
Rail Contractor's OHP	9%	£	8,479,584	£	763,163
Rail Contractor's Design Fees	9%	£	9,242,747	£	831,847
Rail Contractor's Project Management	8%	£	10,074,594	£	805,968
Allowance for rail asset disruption	4%	£	10,880,561	£	435,222
Notional allowance for delivery risks and undefined scope	50%	£	11,315,784	£	5,657,892

Total Construction Cost @ Q1 2026 Price Levels £ 16,973,676

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.9 COST BUILD-UP - Major highway projects - Lakeside, Chafford Hundred and Stifford Clays

Dualling carriageway of the A1306 Arterial Road between TMSA roundabout and Treacle Mine roundabout

Description	Qty	Unit	Rate	Total Cost (£)
Roads				
<u>New Roads</u>				
Bus Route - width 6.0m	3,150	m	£ 5,350	£ 16,852,500
Footpaths - width 2m	3,150	m	£ 487	£ 1,534,226
<u>Upgrade of existing Roads</u>				
Roads - SUBTOTAL				£ 18,386,726

Active Travel

Active Travel - SUBTOTAL				£	-
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Roundabout Improvements

<u>Treace Mine Roundabout</u>					
Priced Separately under Thurrock Junction Mitigations	1	sum	excluded		excluded
<u>Pilgrims Lane Roundabout</u>					
Priced Separately under Thurrock Junction Mitigations	1	sum	excluded		excluded
<u>Spiral Roundabout</u>					
Assumed - existing dual roundabout - allowance for minor realignment only	1	sum	£ 1,000,000	£	1,000,000
<u>TMSA Roundabout</u>					
Assumed - existing dual roundabout - allowance for minor realignment only	1	sum	£ 1,000,000	£	1,000,000
Roundabout Improvements - SUBTOTAL				£	2,000,000

Structures

<u>Bridge over railway</u>					
Extension to existing bridge (assumed 4m width)	1	sum	£ 4,000,000	£	4,000,000
Abutments to above	1	sum	£ 2,000,000	£	2,000,000
Railway environment and disruption costs	20%	%	£ 6,000,000	£	1,200,000
<u>Bridge over A126</u>					
Assumed - utilisation of existing structure, no further amendments	1	sum	excluded		excluded
Structures - SUBTOTAL				£	7,200,000

Construction Costs - SUBTOTAL				£	27,586,726
Contractor's Preliminaries - included in rates	0%	£	27,586,726	£	-
Notional allowance for delivery risks and undefined scope	50%	£	27,586,726	£	13,793,363
Total Construction Cost @ Q1 2026 Price Levels				£	41,380,090

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.10 COST BUILD-UP - Major highway projects - Lakeside, Chafford Hundred and Stifford Clays Treacle Mine roundabout and Stifford Interchange improvements

Description	Qty	Unit	Rate	Total Cost (£)		Notes
0100 - Preliminaries						
<u>Vehicles</u>						Assumed duration.
Contractor's Vehicles	78	wk.	£ 1,350.00	£	105,300	
Overseeing Organisation's Vehicles	78	wk.	£ 450.00	£	35,100	
<u>Traffic Management</u>						
Cones/ temporary signage etc	78	wk.	£ 500.00	£	39,000	
Night checking/ watch	78	wk.	£ 500.00	£	39,000	
<u>Statutory Undertakers</u>						
Allowance for diverting telecoms	excluded	sum	£ 5,000.00		excluded	
Allowance for diverting water	excluded	sum	£ 5,000.00		excluded	
Allowance for diverting HV	excluded	sum	£ 10,000.00		excluded	
0100 - Preliminaries - SUBTOTAL				£	218,400	
0200 - Site Clearance						
General Site Clearance	1	sum	£ 20,000.00	£	20,000	
0200 - Site Clearance - SUBTOTAL				£	20,000	
0400 - Road Restraint Systems						
<u>Roundabout East</u>						
<u>Safety Barriers</u>						
Removal of Existing Crash barrier	190	m	£ 50.00	£	9,500	
Reinstatement of Crash Barrier	190	m	£ 200.00	£	38,000	
0400 - Road Restraint Systems - SUBTOTAL				£	47,500	
0500 - Drainage and Service Ducts						
<u>Drainage</u>						
Allowance for moving manholes	excluded				excluded	
Allowance for deep drainage	excluded				excluded	
Allowance for attenuation systems	excluded				excluded	
Allowance for additional gulleys and connections to existing manholes	22	nr	£ 2,000.00	£	44,000	assumed every 25m
<u>Service Ducts</u>						
Allowance for relocating existing ducting (in verge)	excluded	m	£ 600.00		excluded	
Allowance for relocating existing chambers (in verge)	excluded	nr	£ 2,000.00		excluded	
0500 - Drainage and Service Ducts - SUBTOTAL				£	44,000	

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.10 COST BUILD-UP - Major highway projects - Lakeside, Chafford Hundred and Stifford Clays

0600 - Earthworks

Excavation

Breaking out existing tarmac	121	m3	£	50.00	£	6,063	Assume 500mm tie in only.
Breaking out existing kerbs	485	m	£	50.00	£	24,250	
Excavation of existing granular fill	121	m3	£	50.00	£	6,063	Assumed 500mm dept.
Topsoil Strip	618	m3	£	50.00	£	30,919	Assumed 300mm depth.
Class 1/2 - assumed inert	1	sum	£	100,000.00	£	100,000	Allowance for shoulder tie-in.

Deposition of fill

Class 1/2 - assumed inert	7,246	m3	£	100.00	£	724,600	Embankment Fill (assumed).
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Disposal

Class 1/2 - assumed inert							
Existing Granular Fill	121	m3	£	60.00	£	7,275	
Tarmac - Inert	121	m3	£	100.00	£	12,125	
Hydrocarbon impacted	excluded	m3				excluded	Assumed inert.
Asbestos impacted	excluded	m3				excluded	Assumed inert.
Tarmac - Tar impacted	excluded	m3				excluded	Assumed inert.

Geotextiles

Allowance for shoulder tie-in.	1	sum	£	20,000.00	£	20,000	Allowance only.
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Completion of Formation and Sub-Formation

Formation	2,061	m2	£	10.00	£	20,613	
Sub-Formation	2,061	m2	£	10.00	£	20,613	

Imported Fill

Capping - 6F2	412	m3	£	100.00	£	41,225	Assumed 200mm thick
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0600 - Earthworks - SUBTOTAL £ 1,013,744

0700 - Pavements

Subbase - Type 1

Pavements - Assumed thickness 300 mm	2,061	m2	£	120.00	£	247,350	
Footpaths - Assumed thickness 150mm	216	m2	£	60.00	£	12,960	

Pavement

Assumed thickness 350mm	2,061	m2	£	150.00	£	309,188	
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Surface Treatment

Anti-slip surfacing or similar	excluded	m2				excluded	
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Cold Milling (Planning)

Planning	excluded	m2	£	55.00		excluded	
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0700 - Pavements - SUBTOTAL £ 569,498

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.10 COST BUILD-UP - Major highway projects - Lakeside, Chafford Hundred and Stifford Clays

1100 - Kerbs, Footways and Paved Areas

Kerbs, Channels, Edgings

Half Battered concrete kerb	485	m	£	100.00	£	48,500
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Footways and Paved Areas

Footpaths	216	m2	£	60.00	£	12,960	Type 1 measured separately.
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1100 - Kerbs, Footways and Paved Areas - SUBTOTAL	£	61,460
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1200 - Traffic Signs, Road Markings and Barriers

Traffic Signs

Allowance for removal of signs	14	nr	£	100.00	£	1,400
Allowance for new signs (minor)	10	nr	£	500.00	£	5,000
Allowance for new signs (directional)	3	nr	£	10,000.00	£	30,000
Allowance for new signs (major)	1	nr	£	15,000.00	£	15,000

Electrical Work

Excavation of existing ducting	485	m	£	25.00	£	12,125	
Allowance for ducting	485	m	£	70.00	£	33,950	
Connections associated with	3	sum	£	10,000.00	£	30,000	
DNO connections	3	nr	£	15,000.00	£	45,000	Assumed 1nr to feeder pillar

1200 - Traffic Signs, Road Markings and Barriers - SUBTOTAL	£	172,475
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1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts

Lighting Columns

Removal of existing lighting columns	16	nr	£	3,000.00	£	48,000
Installation of new lighting columns	16	nr	£	5,000.00	£	80,000

Electrical Work

Excavation of existing ducting	485	m	£	25.00	£	12,125	
Allowance for ducting	485	m	£	70.00	£	33,950	
Connections associated with	3	sum	£	10,000.00	£	30,000	Inc Feeder Pillar
DNO connections	3	nr	£	15,000.00	£	45,000	Assumed to Feeder Pillar

1300 - Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts	£	249,075
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1400 - Electrical Work for Road Lighting and Traffic Signs

Traffic Signals

Signalise A13 Slip	1	sum	£	60,000.00	£	60,000
Adjacent circulating arms	1	sum	£	60,000.00	£	60,000
Signalise A13 Slip	1	sum	£	60,000.00	£	60,000
Adjacent circulating arms	1	sum	£	60,000.00	£	60,000

Electrical Work

Excavation of existing ducting	485	m	£	25.00	£	12,125	
Allowance for ducting	485	m	£	70.00	£	33,950	
Connections associated with	4	sum	£	10,000.00	£	40,000	Inc Feeder Pillar
DNO connections	4	nr	£	15,000.00	£	60,000	Assumed to Feeder Pillar
Testing & Commissioning	1	sum	£	50,000.00	£	50,000	

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.10 COST BUILD-UP - Major highway projects - Lakeside, Chafford Hundred and Stifford Clays

1400 - Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL	£	436,075
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3000 - Landscaping and ecology

Allowance for seeding/ wildflower	1	sum	£	2,000.00	£	2,000
Allowance for shrubs	200	nr	£	50.00	£	10,000
Allowance for Tress	200	nr	£	200.00	£	40,000

3000 - Landscaping and ecology - SUBTOTAL	£	52,000
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Note: Treacle Mine Roundabout priced in Junction Mitigations work

Treacle Mine Roundabout	note	excluded	excluded
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Construction Costs - SUBTOTAL	2,884,226
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Contractor's Preliminaries	20%	2,884,226	£	576,845
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Notional allowance for delivery risks	20%	2,884,226	£	576,845
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Total Construction Cost @ Q1 2026 Price Levels	4,037,917
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.11 COST BUILD-UP - Major highway projects - Tilbury

A1089 St Andrews Road roundabout grade separation

Description	Qty	Unit	Rate	Total Cost (£)	
<u>Junctions</u>					
No design information available.					
Provisional sums only.					
Assumed that the A1089 is elevated above the junction.			note		note
Assumed no underpasses or tunnels required.					
Assumed additional land is available for temporary diversion of A1089			note		note
Additional land purchase/ lease excluded			excluded		excluded
<u>Slip Roads and Embankments</u>					
Piling - assumed 10nr piers	1	sum	£ 20,000,000	£	20,000,000
Piers and abutments	1	sum	£ 5,000,000	£	5,000,000
Earth retaining walls	1	sum	£ 5,000,000	£	5,000,000
Embankment Fill	1	sum	£ 5,000,000	£	5,000,000
<u>Main Bridge Structure</u>					
Assumed 150m length, 12m width	1	sum	£ 36,000,000	£	36,000,000
Assumed built off-line in centre of existing roundabout.					
Assumed crane pads can be facilitated in centre of existing roundabout.					
Surfacing to new structure	1,800	m2	£ 300	£	540,000
<u>New Roads</u>					
Assumed 6m wide	800	m	£ 5,350	£	4,280,000
Allowance for remodelling existing roundabout lanes	1	sum	£ 1,000,000	£	1,000,000
Active Travel improvements (excluding flyover)	800	m	£ 1,398	£	1,118,664
<u>Street Lighting</u>					
Allowance for removal of existing	30	nr	£ 1,500	£	45,000
Allowance for temporary street lighting	30	nr	£ 3,000	£	90,000
Allowance for new lighting	30	nr	£ 3,000	£	90,000
Allowance for connections and ducting	800	m	£ 500	£	400,000
<u>Signage</u>					
Allowance for temporary signs	1	sum	£ 150,000	£	150,000
Allowance for permanent signage (assumed no gantry signage)	1	sum	£ 400,000	£	400,000
<u>Temporary Works</u>					
Allowances for temporary roads	800	m	£ 5,350	£	4,280,000
Allowance for removal of above	800	m	£ 1,000	£	800,000
Allowance for utility diversions	1,600	m	£ 625	£	1,000,000
Allowances for traffic management	1	sum	£ 500,000	£	500,000
Contractor's crane pads and other temporary works	1	sum	£ 1,000,000	£	1,000,000
Junctions - SUBTOTAL				£	86,693,664

ROUGH ORDER OF COST ESTIMATE
Thurrock Transport Strategy

4.11 COST BUILD-UP - Major highway projects - Tilbury

Construction Costs - SUBTOTAL					£	86,693,664
Contractor's OHP	20%	£	86,693,664	£		17,338,733
Notional allowance for delivery risks and undefined scope	50%	£	104,032,397	£		52,016,198
Total Construction Cost @ Q1 2026 Price Levels					£	156,048,595

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.12 COST BUILD-UP - Major Highway Project - Chadwell St Mary

Chadwell St Mary Cross Keys junction

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>Upgrade of existing Roads - Cross Keys Junction Redesign</u>					
Primary Road - 3 Lane Brentford Road to Chadwell Hill width 12m	33	m	£ 7,229	£	238,557
Primary Road - 3 Lane Linford Road width 11m	53	m	£ 6,662	£	353,086
Primary Road - 2 Lane Rover View Road to St Stephen Cres - width 7.2m	33	m	£ 4,420	£	145,857
Footpaths - to Cros Keys Junction	108	m	£ 699	£	75,510
Roads - SUBTOTAL				£	813,010
<u>Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts</u>					
<u>Road Lighting Columns</u>					
Removal of Existing Lighting Columnsn	4	Nr	£ 3,000	£	12,000
Installation of new lighting columns - ground mounted	4	Nr	£ 3,000	£	12,000
Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts - SUBTOTAL				£	24,000
<u>Traffic Signs</u>					
Removal of Existing Signage	1	Sum	£ 1,000	£	1,000
Allowance for new signage	1	sum	£ 2,000	£	2,000
Allowance for electrical work (to existing supplies only)	1	sum	£ 3,000	£	3,000
Traffic Signs - SUBTOTAL				£	6,000
<u>Street Furniture</u>					
Remove and Replacement of Pedestrian Guardrails	15	m	£ 2,500	£	37,500
Street Furniture - SUBTOTAL				£	37,500
<u>Electrical Work for Road Lighting and Traffic Signs</u>					
<u>Allowance for connections</u>					
Road Lighting Columns	4	Nr	£ 2,000	£	8,000
Traffic Signs	6	Nr	£ 2,000	£	12,000
Adjustments to Existing Traffic Signals	1	sum	£ 50,000	£	50,000
Testing and Commissioning	1	sum	£ 5,000	£	5,000
Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL				£	75,000
Construction Costs - SUBTOTAL				£	955,510
Contractor's Preliminaries - included in rates	0%	£	955,510	£	-
Notional allowance for delivery risks and undefined scope	50%	£	955,510	£	477,755
Total Construction Cost @ Q1 2026 Price Levels				£	1,433,264

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.14 COST BUILD-UP - Major highway projects - Chadwell St Mary

Chadwell St Mary Northeast Road link

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Roads</u>					
Primary Road Chadwell St Mary Northeast Road link - width 5.5m	2,390	m	£ 5,000	£	11,950,000
Footpaths - to Primary Road - 1 one side to match joining road	2,390	m	£ 812	£	1,940,106
<u>Upgrade of existing Roads</u>					
East Tilbury - Chadwell St Mary Active Travel Link - width 5.5m	3,210	m	£ 4,256	£	13,661,760
Footpaths - to Primary Road - 1 one side to match joining road	3,210	m	£ 699	£	2,244,320
Roads - SUBTOTAL				£	29,796,186
<u>Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts</u>					
<u>Road Lighting Columns</u>					
Installation of new lighting columns - ground mounted	134	nr	£ 3,000	£	402,000
Road Lighting Columns and Brackets, CCTV Masts and Cantilever Masts - SUBTOTAL				£	402,000
<u>Traffic Signs</u>					
Allowance for new signage	45	sum	£ 10,000	£	450,000
Allowance for electrical work (to existing supplies only)	45	sum	£ 3,000	£	135,000
Traffic Signs - SUBTOTAL				£	585,000
<u>Electrical Work for Road Lighting and Traffic Signs</u>					
<u>Allowance for connections</u>					
Road Lighting Columns	134	sum	£ 2,000	£	268,000
Traffic Signs	45	sum	£ 2,000	£	90,000
Electrical Work for Road Lighting and Traffic Signs - SUBTOTAL				£	358,000
Construction Costs - SUBTOTAL				£	31,141,186
Contractor's Preliminaries - included in rates	0%	£	31,141,186	£	-
Notional allowance for delivery risks and undefined scope	50%	£	31,141,186	£	15,570,593
Total Construction Cost @ Q1 2026 Price Levels				£	46,711,779

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.15 COST BUILD-UP - Major highway projects - East Tilbury

East Tilbury Road Link with new bridge over the railway – road link between Muckingford Road and Princess Margaret Road with additional link to Station Road

Description	Qty	Unit	Rate	Total Cost (£)
Roads				
<u>New Roads</u>				
Bus Route - width 6.0m	17,500	m	£ 2,675	£ 46,812,500
<u>Upgrade of existing Roads</u>				
Roads - SUBTOTAL				£ 46,812,500

Active Travel

Traffic Free

New-build - 4m wide

Upgrade Existing

17,500	m	£ 1,022	£ 17,885,000
nil	m	£ -	excluded

On-street / advisory routes to LTN1/20 standards

Active Travel - SUBTOTAL				£ 17,885,000
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Structures

Bridge over railway line

No design information provided

1	sum	£ 15,000,000	£ 15,000,000
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Closure of existing level crossing (Low Street/ Station Road)

Security Fencing only (lineside infrastructure unaltered)

Extra over, removal of lineside infrastructure (decking, signals etc)

1	sum	£ 50,000	£ 50,000
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1	sum	£ 500,000	£ 500,000
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Structures - SUBTOTAL				£ 15,550,000
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Bus Route

Bus Route - SUBTOTAL				£ -
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Construction Costs - SUBTOTAL				£ 80,247,500
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Contractor's Preliminaries - included in rates

0%	£ 80,247,500	£ -
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Notional allowance for delivery risks and undefined scope

50%	£ 80,247,500	£ 40,123,750
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Total Construction Cost @ Q1 2026 Price Levels				£ 120,371,250
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ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.16 COST BUILD-UP - Major highway projects - East Tilbury

East Tilbury Eastern bridge – road link and bridge across the railway
line on Princess Margaret Road

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Roads</u>					
Bus Route - 6.0m wide	615	m	£ 4,550	£	2,798,250
Roads - SUBTOTAL				£	2,798,250
Active Travel					
<u>Traffic Free</u>					
Assumed width 4.0m					
New-build	615	m	£ 2,044	£	1,257,060
(assumed 1nr total, not either side of road)					
Active Travel - SUBTOTAL				£	1,257,060
Structures					
Bridge over railway line	1	sum	£ 15,000,000	£	15,000,000
No design information provided			note		note
Structures - SUBTOTAL				£	15,000,000
Bus Route					
Bus Route - SUBTOTAL				£	-
Construction Costs - SUBTOTAL				£	19,055,310
Contractor's Preliminaries - included in rates	0%	£	19,055,310	£	-
Notional allowance for delivery risks and undefined scope	50%	£	19,055,310	£	9,527,655
Total Construction Cost @ Q1 2026 Price Levels				£	28,582,965

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.18 COST BUILD-UP - Major highway projects Corringham, Fobbing and Lower Langdon Northeast Road Link - Linford Road and Brentwood Road

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
New Roads					
Primary Road B1420 Southend Road realignment - width 6.4m	1,012	m	£ 5,630	£	5,697,560
Primary Road New Link to Fobbing Road - width 5.5m	615	m	£ 5,000	£	3,075,000
Footpaths - to Primary Road - 1 one side to match joining road	1,627	m	£ 812	£	1,320,734
Upgrade of existing Roads					
Primary Road New Link to Fobbing Road (inglefield Road) - width 5.5m	301	m	£ 4,256	£	1,281,056
Footpaths - to Secondary Road - 1 one side to match joining road	301	m	£ 699	£	210,449
Roads - SUBTOTAL				£	11,584,798
Structures					
New Road Bridge Across railway line					
New Bridge over Rail line					
Proposed bridge: assumed 40 x 9.2 m					
Proposed bridge: 40m x 9.2m - footpath both sides					
Assumed total replacement of bridge	1	sum	£ 7,296,560	£	7,296,560
Structures - SUBTOTAL				£	7,296,560
Construction Costs - SUBTOTAL				£	18,881,358
Contractor's Preliminaries - included in rates	0%	£	18,881,358	£	-
Notional allowance for delivery risks and undefined scope	50%	£	18,881,358	£	9,440,679
Total Construction Cost @ Q1 2026 Price Levels				£	28,322,038

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

4.20 COST BUILD-UP - Cross Boundary - Major Highway Projects - J30

Pedestrian and cycle improvements across the M25/A282 dedicated left-turn slips on all arms to improve network performance

Description	Qty	Unit	Rate	Total Cost (£)	
Roads					
<u>New Roads</u>					
Primary Road (4nr arms assumed at 200m each)	800	m	£ 3,220	£	2,576,000
<u>Upgrade of existing Roads</u>					
Roads - SUBTOTAL				£	2,576,000
Active Travel					
<u>Traffic Free</u>					
Assumed width 4.0m					
New-build	400	m	£ 2,044	£	817,600
Upgrade Existing	400	m	£ 1,398	£	559,332
Active Travel - SUBTOTAL				£	1,376,932
<u>Structures</u>					
Structures - SUBTOTAL				£	-
<u>Bus Route</u>					
Bus Route - SUBTOTAL				£	-
Construction Costs - SUBTOTAL				£	3,952,932
Contractor's Preliminaries - included in rates	0%	£	3,952,932	£	-
Notional allowance for delivery risks and undefined scope	50%	£	3,952,932	£	1,976,466
Total Construction Cost @ Q1 2026 Price Levels				£	5,929,398

ROUGH ORDER OF COST ESTIMATE

Thurrock Transport Strategy

5.1 COST BUILD-UP - Pontoon - Purfleet

Purfleet Pontoon

Description	Qty	Unit	Rate	Total Cost (£)
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Roads

Roads - SUBTOTAL £ -

Active Travel

Active Travel - SUBTOTAL £ -

Structures

New 30m Long Pontoon and 28 Tonne glass and mental covered linkspan; Construction assumed similar to Gosport Interchange. Situated on East and West Banks of the Thames.	2	Nr	£	2,200,000	£	4,400,000
Supervision	7%				£	308,000
Design Fee	5%				£	235,400

Structures - SUBTOTAL £ 4,943,400

Construction Costs - SUBTOTAL £ 4,943,400

Contractor's Preliminaries - included in rates	0%	£	4,943,400	£	-
Notional allowance for delivery risks and undefined scope	50%	£	4,943,400	£	2,471,700

Total Construction Cost @ Q1 2026 Price Levels £ 7,415,100