EXHIBIT LIST

Reference No: HOL/10024
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Traffic Assessment Overview

June 2016

P3767 (1)

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

lHOL/10024/0002

Transport Assessment (TA) methodology (1)

The TA calculates traffic and transport impacts of the Proposed Scheme during construction and operation; traffic and transport *significant effects*[1] are reported in the Environmental Statement (ES)

Key traffic and transport impacts principally arise from construction activities (eg diversions, construction traffic and workforce), compared with a forecast baseline (ie without HS2), which includes committed and planned development

[1] *Significant effects* are defined in the HS2 Phase One Scope and methodology report (CT-001-000/1), November 2013

P3767 (2) https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

Transport Assessment (TA) methodology (2)

The following traffic and transport effects have been assessed in the ES:

- traffic flows and delays to vehicle occupants
- pedestrians, cyclists and equestrians severance, delay, amenity and ambience
- public transport delay
- disruption at stations/interchanges
- parking and loading
- accidents and safety
- severance
- waterways.

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Transport Assessment (TA) methodology(3)

For consistency, the TA generally assumes a 2021 forecast baseline for the whole Phase One route.

The operation assessments have been carried out for the forecast years of 2026 and 2041 (year of opening plus 15 years).

The forecasts for construction and operation years use strategic models, or DfT standard growth factors, to take account of growth.

The assessments have been carried out for AM (0800-0900) and PM (1700-1800) peak periods, which are typically the busiest times of the day - it does not assume that impacts only occur at this time.

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

Transport Assessment (TA) methodology (4)

The DfT PLANET demand model has been used to forecast the change in passenger demand at rail stations arising from the operation of HS2.

In the London, Birmingham Interchange and Birmingham Metropolitan areas, where the interactions of transport user behaviour are complex, existing strategic transport models have been used to assess the changes to highway and public transport flows and delays.

The strategic transport models have been developed and used in close collaboration with local transport authorities and inputs agreed with them.

Local junction models have been developed and used in consultation with the relevant highway authority to assess changes to vehicle delays in more detail.

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

The TA construction assumptions (1)

The TA makes a number of assumptions that are precautionary and based on a realistic worst case; in practice, the impacts are likely to be less than assessed:

- the assessment is based on average daily trips for the peak month of construction activity; for most of the time the actual number of construction trips will be lower than this peak
- all compounds are generally assumed to be in use at the same time; in practice concurrent use will be less frequent
- all the workforce for sites outside of London is assumed to travel to/from the construction compounds by car; however, some of the workforce will use public transport, works buses or other methods
- 50% of the workforce is assumed to arrive between 0800-0900 and depart 1700-1800, overlapping with construction traffic; in practice, most of the workforce is likely to arrive/depart outside these times
- transport of excavated material (mass haul) to/from compounds by road is based on an eight hour day (outside London), for five days each week; in general, core working hours will be 0800 to 1800 on weekdays and 0800 to 1300 on Saturdays

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

The TA construction assumptions (2)

The assessment:

- does not take into account other potential mitigation such as further opportunities that may arise to remove excavated material by rail at Euston and Langley, and also increased removal by rail at West Ruislip;
- does not include time and capacity controls as set out in Schedule 17 of the Bill;
- excludes measures arising from the implementation of the Code of Construction Practice (CoCP) and any construction workforce travel plan.

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Traffic and Transport exhibits

The traffic exhibits are produced to show the routeing and number of construction vehicles along the road network that are generated by the construction of the HS2 scheme.

Where required, exhibits showing other transport impacts have also been produced for certain locations, such as pedestrian and cycle diversions and maps showing road closures

The standard set of traffic exhibits normally comprises:

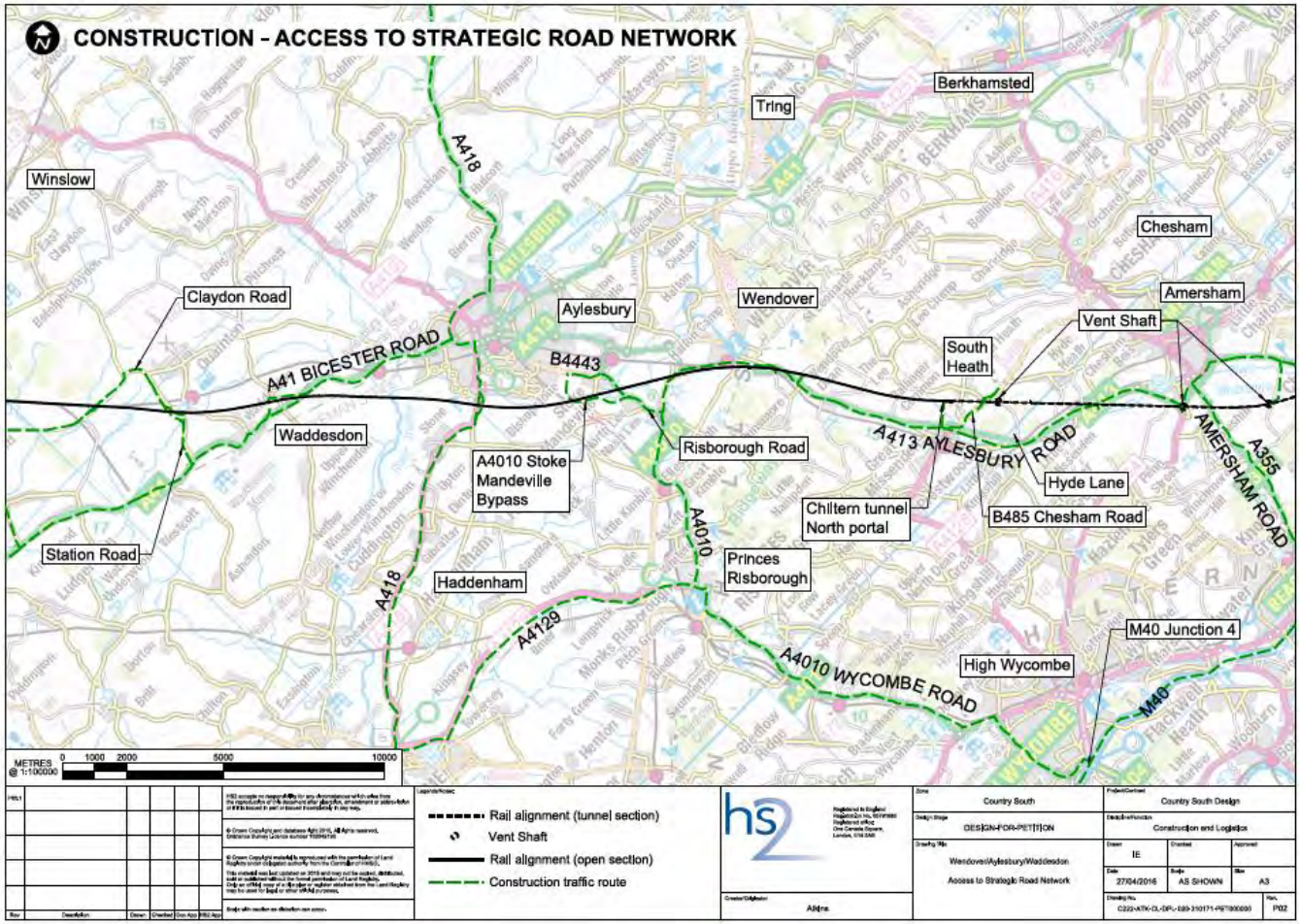
- access to strategic road network map;
- construction compound routes and vehicle numbers map;
- daily weekday traffic flows construction phase map;
- construction traffic histogram for specific locations.

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

Sample traffic exhibits:

Access to strategic road network

The sample map shows the strategic road network used by construction vehicles (>7.5t), along with the HS2 railway alignment and relevant locations, together with features of the HS2 route



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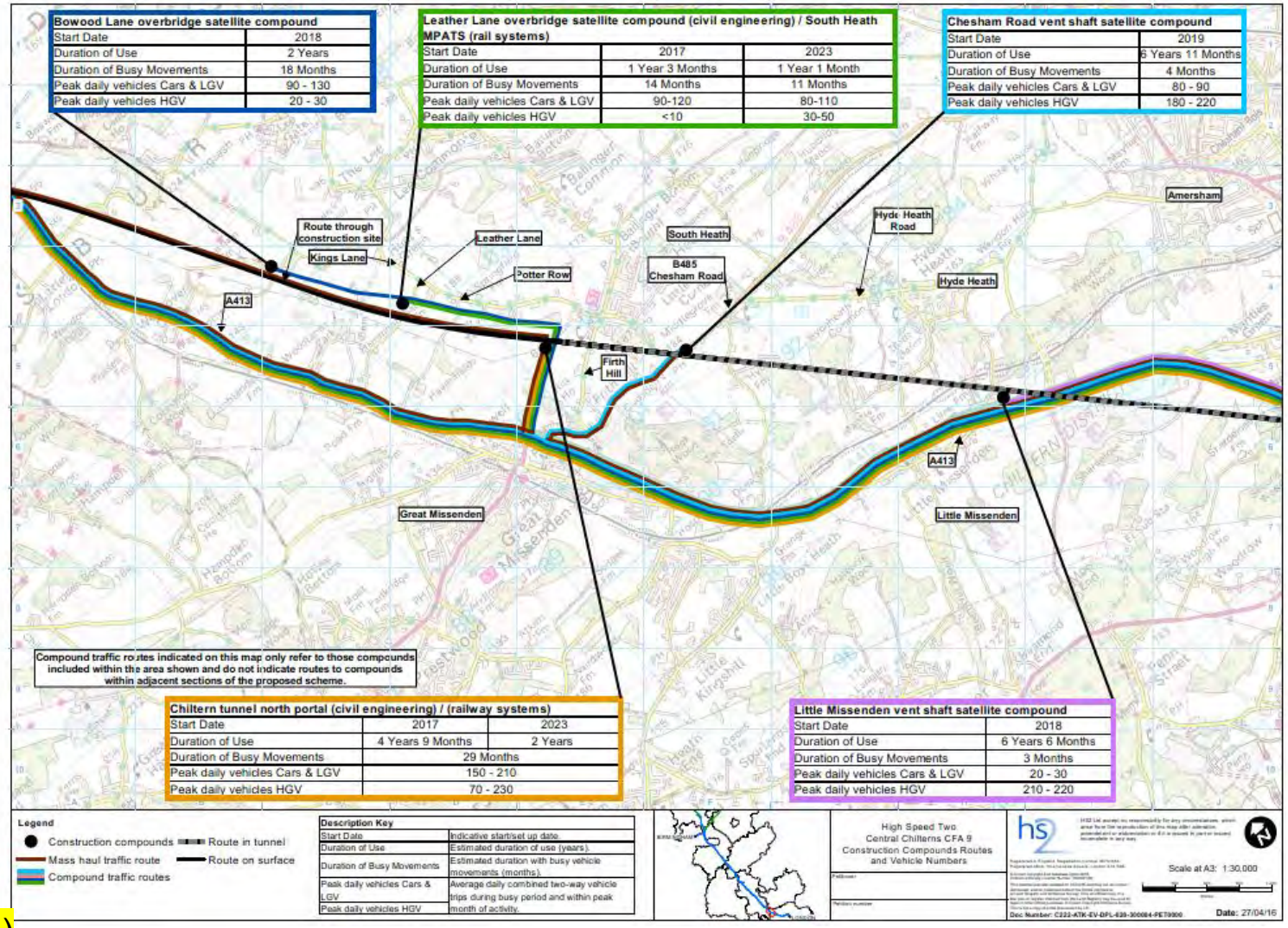
Sample traffic exhibits:

Construction compound routes and vehicle trip generation (1)



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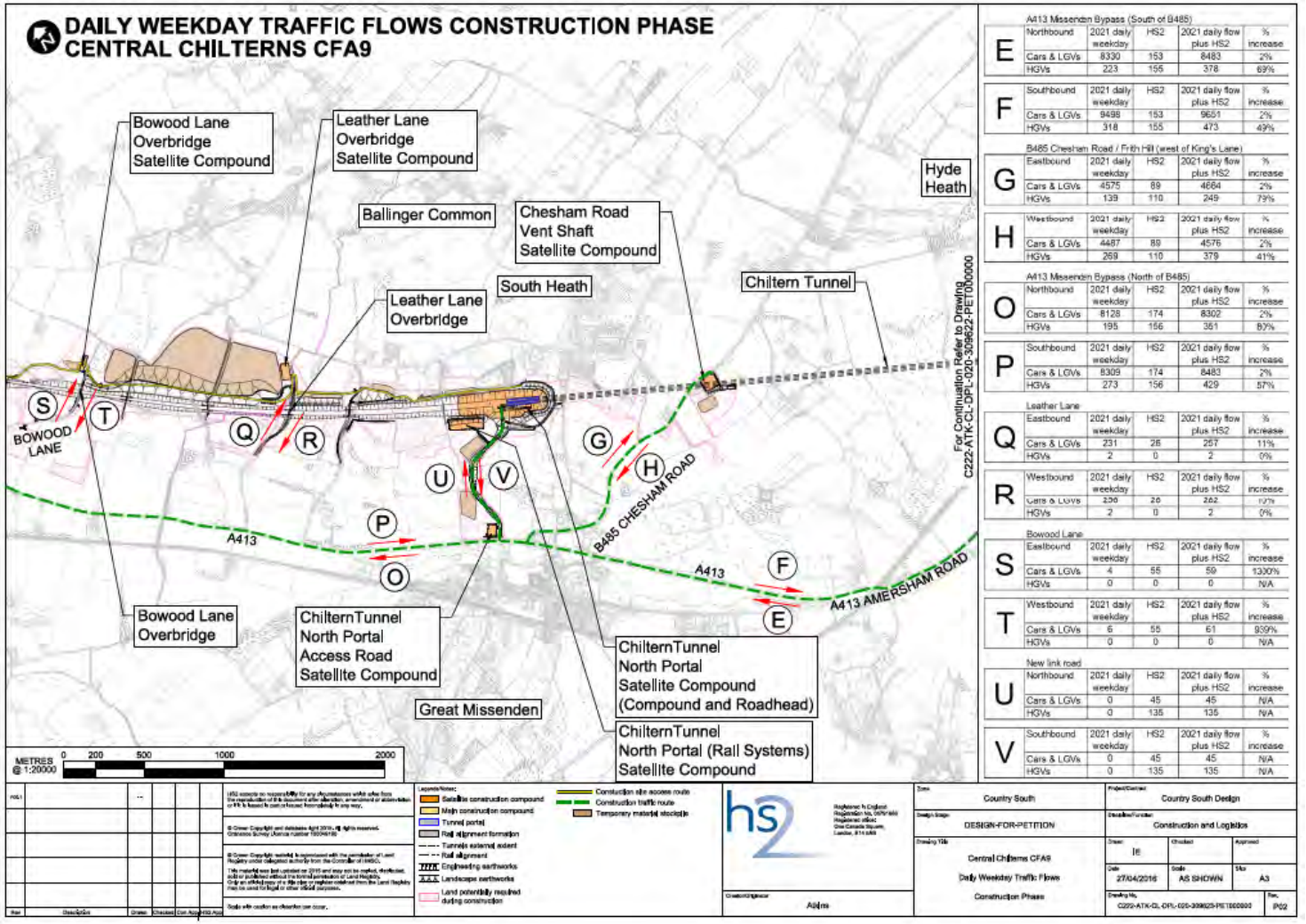
Sample traffic exhibits:

Daily weekday traffic flows construction phase (1)



A413 Missenden Bypass (South of B485)

E	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8330	153	8483	2%
	HGVs	223	155	378	69%

F	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	9498	153	9651	2%
	HGVs	318	155	473	49%

B485 Chesham Road / Frith Hill (west of King's Lane)

G	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4575	89	4664	2%
	HGVs	139	110	249	79%

H	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4487	89	4576	2%
	HGVs	269	110	379	41%

A413 Missenden Bypass (North of B485)

O	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8128	174	8302	2%
	HGVs	195	156	351	80%

P	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8309	174	8483	2%
	HGVs	273	156	429	57%

Leather Lane

Q	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	231	26	257	11%
	HGVs	2	0	2	0%

R	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	236	26	262	11%
	HGVs	2	0	2	0%

Bowood Lane

S	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4	55	59	1300%
	HGVs	0	0	0	N/A

T	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	6	55	61	939%
	HGVs	0	0	0	N/A

New link road

U	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	0	45	45	N/A
	HGVs	0	135	135	N/A

V	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	0	45	45	N/A
	HGVs	0	135	135	N/A

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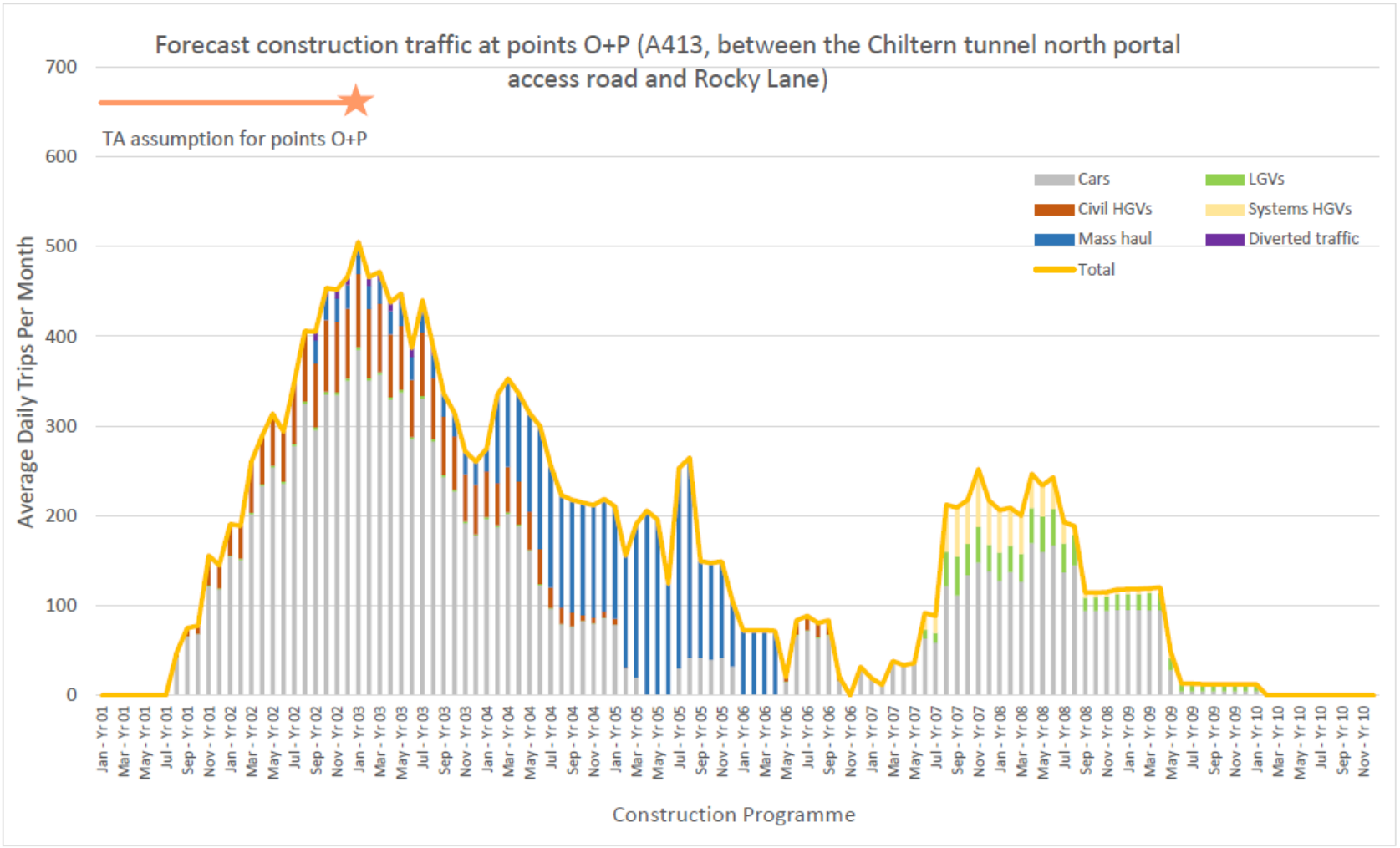
Sample traffic exhibits:
Construction traffic histogram (1)



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Mitigation of traffic impacts during construction (1)

It is in the Promoter's interest to reduce delays and congestion, as this will also affect HS2 construction traffic.

HS2 has used physical measures to mitigate construction traffic impacts:

- road closures have been avoided by the use of off-line replacements, where practical and necessary, in locations where the HS2 railway crosses existing infrastructure
- use of the HS2 railway trace as a haul road in non-tunnelled areas, where practical
- specific highway improvements at junctions to reduce congestion and delays
- specific highway improvements to address existing road safety issues
- proposed temporary highway measures (eg temporary slip roads from M25 to Colne Valley compounds)

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Mitigation of traffic impacts during construction (2)

Operational measures to mitigate construction traffic impacts include:

- use of routes with the most direct access to the strategic road network, where practicable, and approval of routes for large good vehicles by the local highway authority
- Provision of specific assurances, where necessary, to limit construction traffic flows in specific locations
- provision of overnight workforce accommodation at the main construction compounds, where appropriate
- traffic management arrangements, as identified in the draft CoCP including:
  - Local Traffic Management Plans (LTMPs)
  - implementation of site specific measures
  - workforce travel plans

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

Local Traffic Management Plans (LTMPs)

A draft Route-Wide Traffic Management Plan (RTMP) has been produced which sets out the scope for the LTMPs – it has been developed in consultation with highway authorities, within the Highways Sub Group of the HS2 Planning Forum.

The draft RTMP includes 'Construction Logistics and Cycle Safety (CLOCS)' standards for driver and vehicle safety, to manage work related road risk for vulnerable road users (cyclist and pedestrians) and the 'Freight Operation Registration Scheme (FORS)', where operators are subject to audit to ensure that they meet a number of quality standards in fleet operations around management, operations, vehicles and drivers.

LTMPs will initially be drafted by HS2 and completed by the final contractors - they will include the proposed traffic and construction vehicle management strategy.

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

Traffic Management Site Specific Measures

Traffic Management sites specific measures as set out in the draft CoCP include:

- phasing of works
- road traffic management layouts and signage
- timing of operations
- arrangements for liaison with the relevant highway authorities and emergency services
- monitoring of vehicles arriving and leaving construction compounds
- emergency access protocols
- proposals for transport of construction workforce and measures to ensure safe access to and from site
- parking controls
- use of internal haul roads for construction vehicles to minimise the need to use public roads
- monitoring for deviation from authorised routes
- requirements relating to the movement of traffic from business and commercial operators of road vehicles, including goods vehicles
- measures for highway reinstatement
- a list of roads that may be used by construction traffic in the vicinity of the site, including any restrictions to construction traffic on these routes, such as the avoidance of large goods vehicles operating adjacent to schools during drop off and pick-up periods, where necessary

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

Workforce travel plans

Construction workforce travel plans will be prepared by the lead contractors with the aim of encouraging the use of sustainable modes of transport to reduce the impact of workforce travel on local residents and businesses.

The plans will include:

- key issues to consider for each compound/ construction site or group of sites
- site activities and surrounding transport network including relevant context plans
- anticipated workforce trip generation and how it may change during the construction process
- travel mitigation measures that will be introduced to reduce the impact of construction workforce on the transport network
- targets to reduce individual car journeys for the construction workers

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/534035/Traffic.pdf

Further engagement

Prior to commencement of main construction works, and during the construction phase, regular local Traffic Liaison Group (TLG) meetings will be established with local highway authorities so that matters such as local traffic management schemes can be reviewed prior to submission, or approval, and the implementation of schemes reviewed and other monitoring reported.

Proposed attendees at the TLG meetings include HS2 traffic manager, relevant local highway authority, the police and local bus operator representative.

HS2 Ltd has liaised with stakeholders, where further work is required eg:

- Saltley Viaduct Strategy, Birmingham
- A46/ A452 assessment, Warwickshire
- A413 access road, Great Missenden
- Ickenham study, Hillingdon

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CONSTRUCTION - ACCESS TO STRATEGIC ROAD NETWORK
RUISLIP TO SOUTH HEATH

Temporary construction access road
Chiltern tunnel North portal
South Heath
Princes Risborough
A413 AYLESBURY ROAD
Vent Shaft
Chesham
Vent Shaft
A4010 WYCOMBE ROAD
Amersham
Vent Shaft
Chiltern Tunnel
A355 AMERSHAM ROAD
Vent Shaft
Rickmansworth
M25 Junction 17
Watford
Temporary slip roads to / from M25
Chalfont Lane
High Wycombe
Vent Shaft
A413 AMERSHAM ROAD
A412
Chiltern tunnel south portal
M40
Colne Valley Viaduct
M40 Junction 4
M40
West Ruislip Portal
Ruislip
Northolt Tunnel
M25 Junction 16
M40
M40 Junction 2

METRES @ 1:100000 — 0 1000 2000 5000 10000

P00.1					
Description		Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Rail alignment (tunnel section)
- Vent Shaft
- Rail alignment (open section)
- Construction traffic route

hs2
Registered In England
Registration No. 06791686
Registered office:
One Canada Square,
London, E14 5AB

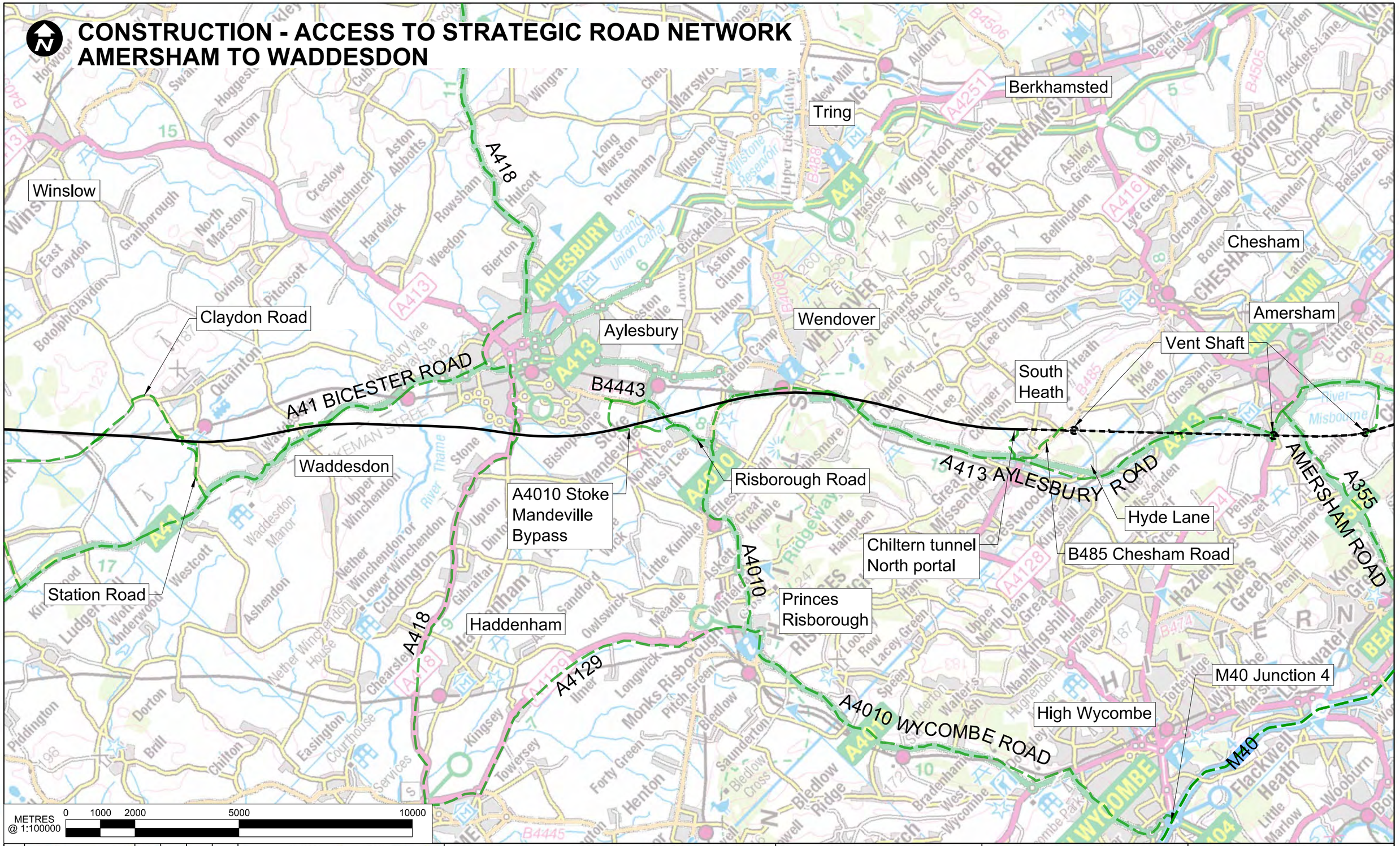
Creator/Originator
Atkins

Zone	Country South
Design Stage	DESIGN-FOR-PETITION
Drawing Title	Ruislip To South Heath Access to Strategic Road Network
Project/Contract	Country South Design
Discipline/Function	Construction and Logistics
Drawn	IE
Checked	
Approved	
Date	27/04/2016
Scale	AS SHOWN
Size	A3
Drawing No.	C222-ATK-CL-DPL-020-315170-PET000000
Rev.	P02

P3768 (1)

HOL/10024/0020

CONSTRUCTION - ACCESS TO STRATEGIC ROAD NETWORK
AMERSHAM TO WADDESDON



P00.1						
P3768 (2)	Description	Drawn	Checked	Con App	HS2 App	

Legends/Notes:

- Rail alignment (tunnel section)
- Vent Shaft
- Rail alignment (open section)
- Construction traffic route

Registered In England
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Registered office:
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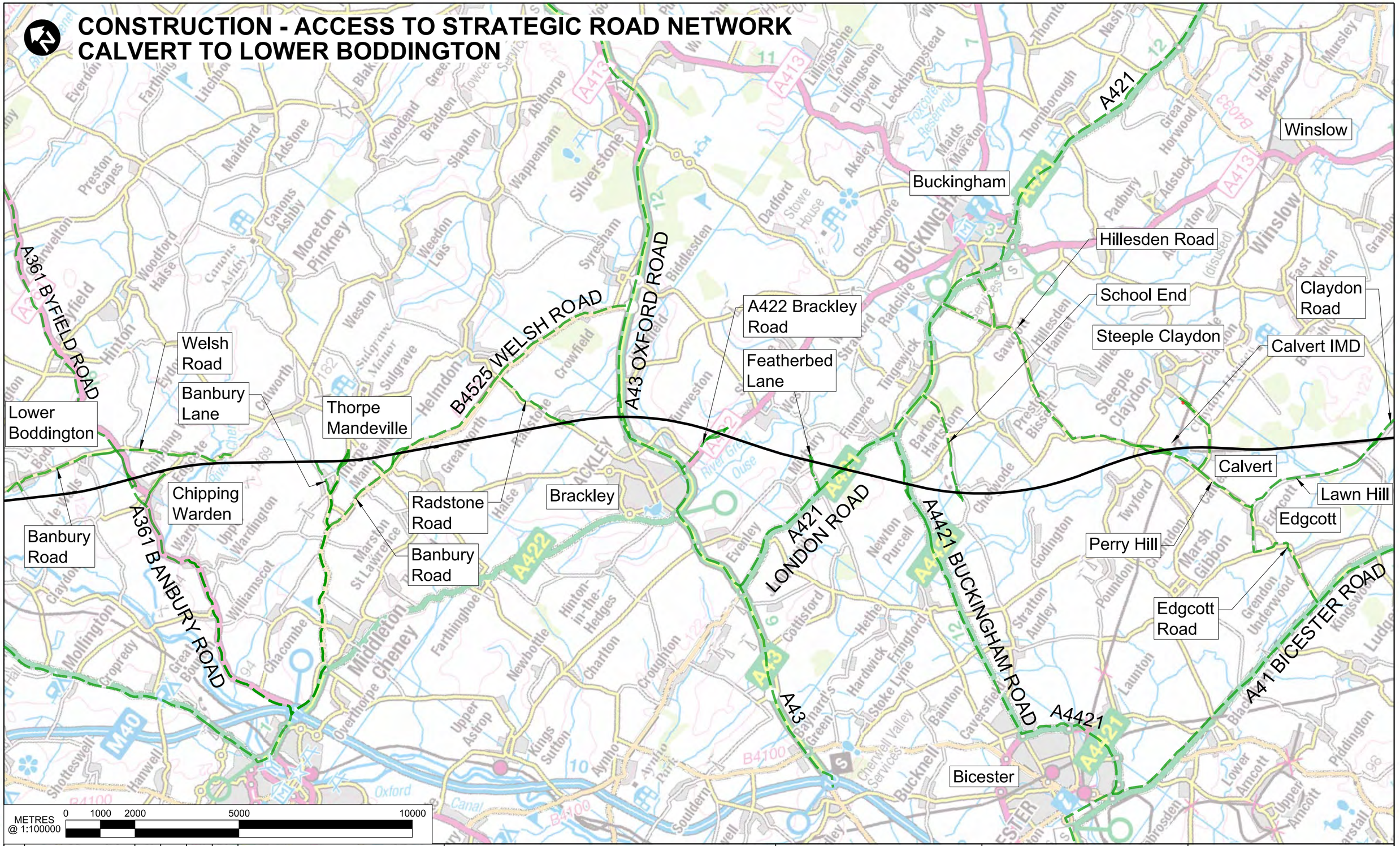
Creator/Originator: Atkins

Zone	Country South
Design Stage	DESIGN-FOR-PETITION
Drawing Title	Amersham to Waddesdon Access to Strategic Road Network
Project/Contract	Country South Design
Discipline/Function	Construction and Logistics
Drawn / Checked / Approved	IE / /
Date / Scale / Size	27/04/2016 / AS SHOWN / A3
Drawing No. / Rev.	C222-ATK-CL-DPL-020-310171-PET000000 / P00.1

CONSTRUCTION - ACCESS TO STRATEGIC ROAD NETWORK
CALVERT TO LOWER BODDINGTON



P00.1					
	Description	Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Rail alignment (tunnel section)
- Vent Shaft
- Rail alignment (open section)
- Construction traffic route

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Creator/Originator: Atkins

Zone	Country South
Design Stage	DESIGN-FOR-PETITION
Drawing Title	Calvert to Lower Boddington Access to Strategic Road Network
Project/Contract	Country South Design
Discipline/Function	Construction and Logistics
Drawn / Checked / Approved	IE / /
Date / Scale / Size	28/04/2016 / AS SHOWN / A3
Drawing No. / Rev.	C222-ATK-CL-DPL-020-310173-PET000000 / P02

P3768 (3)

HOL/10024/0022

Colne Valley viaduct satellite compound	
Start Date	2018
Duration of Use	3 years 9 months
Duration of Busy Movements	40 months
Peak daily vehicles Cars & LGV	10-20
Peak daily vehicles HGV	10-20

Colne Valley viaduct and south embankment satellite compound/Ickenham auto-transformer feeder station satellite compound	
Start Date	2018
Duration of Use	6 years 6 months
Duration of Busy Movements	11 months
Peak daily vehicles Cars & LGV	90-140
Peak daily vehicles HGV	40-60

Breakspear Road South underbridge satellite compound	
Start Date	2017
Duration of Use	18 months
Duration of Busy Movements	6 months
Peak daily vehicles Cars & LGV	15-20
Peak daily vehicles HGV	150-200

West Ruislip portal satellite compound	
Start Date	2017
Duration of Use	7 years
Duration of Busy Movements	1 year 6 months
Peak daily vehicles Cars & LGV	22-30
Peak daily vehicles HGV	225-300

Northolt tunnel and earthworks main compound	
Start Date	2017
Duration of Use	10 years
Duration of Busy Movements	9 months
Peak daily vehicles Cars & LGV	102-136
Peak daily vehicles HGV	720-770

Harvil Road realignment satellite compound	
Start Date	2017
Duration of Use	5 years
Duration of Busy Movements	1 year
Peak daily vehicles Cars & LGV	8-10
Peak daily vehicles HGV	75-100

Colne Valley viaduct main compound

Colne Valley viaduct north embankment satellite compound

Colne Valley viaduct laydown satellite compound

Colne Valley viaduct jetty storage satellite compound

Moorhall Road

Chiltern tunnel main compound (civil engineering) / Chiltern tunnel south portal (rail systems)

A412 North Orbital Road

Colne Valley viaduct storage satellite compound

Colne Valley viaduct north launch satellite compound

Harvil Road

A40

M40

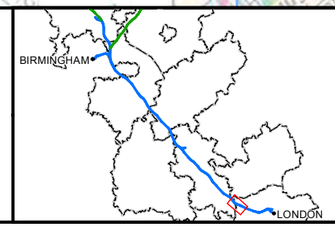
HS2 has provided an assurance to the London Borough of Hillingdon to look at options to reduce the number of HGV construction vehicles on Swakeleys Road. This could mean that the peak daily HGVs movements would be lower than as set out in the construction compound tables.

Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

Legend

- Construction compounds
- Mass haul traffic route
- Compound traffic routes
- Route in tunnel
- Route on surface
- Routes to compounds shown on Colne Valley CFA 7 map

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
South Ruislip to Ickenham CFA6 / Colne Valley CFA7
Construction Compound Routes and Vehicle Numbers

Petitioner

Petition number

Scale at A3: 1:30,000

0 250 500 750 1,000 Metres

Doc Number: C222-ATK-EV-DPL-020-300001-PET000000

Dat

P3769 (1)

HOL/10024/0023

Routes shown are HGV routes only.

Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

Large Good Vehicles will use North Orbital Road / A412 Denham Way as a construction route prior to the construction of the M25 slip roads, with the purpose of the construction of these, as well as undertaking preparatory site works for compounds in the Colne Valley area. Following the construction of the M25 slip roads Large Goods Vehicles will only use North Orbital Road / A412 Denham Way to access the Colne Valley viaduct jetty storage and Colne Valley viaduct storage satellite compounds, as per the assurance provided to Buckinghamshire County Council.

Chiltern tunnel main compound(civil engineering)/Chiltern tunnel south portal (rail systems)	
Start Date	2017
Duration of Use	8 Years
Duration of Busy Movements	17 Months
Peak daily vehicles Cars & LGV	350-430
Peak daily vehicles HGV	490-1050

Colne Valley viaduct laydown satellite compound	
Start Date	2019
Duration of Use	2 Years 3 Months
Duration of Busy Movements	26 Months
Peak daily vehicles Cars & LGV	10-20
Peak daily vehicles HGV	10-20

Colne Valley viaduct main compound	
Start Date	2017
Duration of Use	5 Years 3 Months
Duration of Busy Movements	47 Months
Peak daily vehicles Cars & LGV	70-120
Peak daily vehicles HGV	10-20

Colne Valley viaduct jetty storage satellite compound	
Start Date	2018
Duration of Use	2 Years 9 Months
Duration of Busy Movements	29 Months
Peak daily vehicles Cars & LGV	10-20
Peak daily vehicles HGV	10-20

Colne Valley viaduct north embankment satellite compound	
Start Date	2017
Duration of Use	4 Years
Duration of Busy Movements	14 Months
Peak daily vehicles Cars & LGV	210-260
Peak daily vehicles HGV	10-20

Colne Valley viaduct north launch satellite compound	
Start Date	2017
Duration of Use	2 Years 9 Months
Duration of Busy Movements	23 Months
Peak daily vehicles Cars & LGV	50-60
Peak daily vehicles HGV	50-60

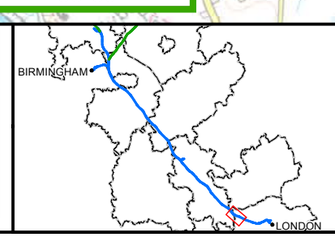
Colne Valley viaduct storage satellite compound	
Start Date	2017
Duration of Use	3 Years 9 Months
Duration of Busy Movements	41 Months
Peak daily vehicles Cars & LGV	50-60
Peak daily vehicles HGV	20-30

A412 · Maple Cross · Chalfont Lane · Chalfont St Peter vent shaft satellite compound · Temporary slip roads to/from M25 for construction traffic · Harefield Hospital · Harefield · Breakspear Road South underbridge satellite compound · West Ruislip portal satellite compound · Colne Valley viaduct and south embankment satellite compound / Ickeham auto-transformer feeder station satellite compound · Northholt tunnel and earthworks main compound · A412 North Orbital Road · Colne Valley viaduct satellite compound · Harvil Road realignment satellite compound · Denham · A40 · A413 · M40

Legend

- Construction compounds
- Route in tunnel
- Route on surface
- Mass haul traffic route
- Compound traffic routes
- Routes to compounds shown on South Rulslip to Ickenham CFA6, Colne Valley CFA7 and The Chalfonts and Amersham CFA8
- Large Good Vehicles route pre M25 slip road construction

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Colne Valley CFA 7
Construction Compound Routes and Vehicle Numbers

Petitioner

Petition number

Scale at A3: 1:30,000

0 250 500 750 1,000 Metres

Doc Number: C222-ATK-EV-DPL-020-300002-PET000000

Dat

P3769 (2)

HOL/10024/0024

Little Missenden vent shaft satellite compound	
Start Date	2018
Duration of Use	6 Years 6 Months
Duration of Busy Movements	3 Months
Peak daily vehicles Cars & LGV	20-30
Peak daily vehicles HGV	210-220

Chalfont St Peter vent shaft satellite compound	
Start Date	2018
Duration of Use	7 Years
Duration of Busy Movements	10 Months
Peak daily vehicles Cars & LGV	80 - 90
Peak daily vehicles HGV	20 - 30

Amersham vent shaft satellite compound	
Start Date	2018
Duration of Use	6 Years 6 Months
Duration of Busy Movements	3 Months
Peak daily vehicles Cars & LGV	Up to 30
Peak daily vehicles HGV	Up to 190

Chalfont St Giles vent shaft satellite compound	
Start Date	2018
Duration of Use	7 Years
Duration of Busy Movements	17 Months
Peak daily vehicles Cars & LGV	80 - 110
Peak daily vehicles HGV	20 - 40

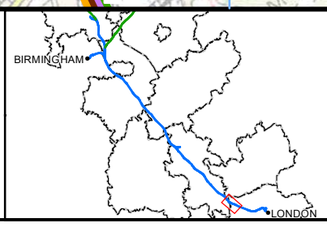
Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme

Amersham
A413
Mantles Green
A404 Whielden Lane
Whielden Lane
A355 Gore Hill
Coleshill
Bottom House Farm Lane
Chalfont St Giles
M25
Chesham Lane
Denham Lane
Joiners Lane
Chalfont St Peter

Legend

- Construction compounds
- Mass haul traffic route
- Compound traffic routes
- Route in tunnel
- Route on surface

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
The Chalfonts and Amersham CFA8
Construction Compound Routes
and Vehicle Numbers

Petitioner

Petition number

Scale at A3: 1:30,000

0 250 500 750 1,000 Metres

Doc Number: C222-ATK-EV-DPL-020-300003-PET000000

P3769 (3)

HOL/10024/0025

Bowood Lane overbridge satellite compound	
Start Date	2018
Duration of Use	2 Years
Duration of Busy Movements	18 Months
Peak daily vehicles Cars & LGV	90 - 130
Peak daily vehicles HGV	20 - 30

Leather Lane overbridge satellite compound (civil engineering) / South Heath MPATS (rail systems)		
Start Date	2017	2023
Duration of Use	1 Year 3 Months	1 Year 1 Month
Duration of Busy Movements	14 Months	11 Months
Peak daily vehicles Cars & LGV	90-120	80-110
Peak daily vehicles HGV	<10	30-50

Chesham Road vent shaft satellite compound	
Start Date	2019
Duration of Use	6 Years 11 Months
Duration of Busy Movements	4 Months
Peak daily vehicles Cars & LGV	80 - 90
Peak daily vehicles HGV	180 - 220

Route through construction site
Kings Lane
Leather Lane
Potter Row
South Heath
B485 Chesham Road
Hyde Heath Road
Amersham
Hyde Heath
A413
Frith Hill
Great Missenden
Little Missenden

Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

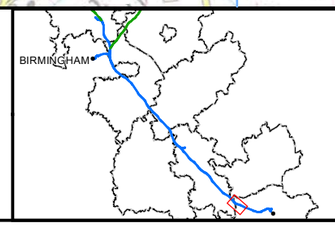
Chiltern tunnel north portal (civil engineering) / (railway systems)		
Start Date	2017	2023
Duration of Use	4 Years 9 Months	2 Years
Duration of Busy Movements	29 Months	
Peak daily vehicles Cars & LGV	150 - 210	
Peak daily vehicles HGV	70 - 230	

Little Missenden vent shaft satellite compound	
Start Date	2018
Duration of Use	6 Years 6 Months
Duration of Busy Movements	3 Months
Peak daily vehicles Cars & LGV	20 - 30
Peak daily vehicles HGV	210 - 220

Legend

- Construction compounds
- Route in tunnel
- Mass haul traffic route
- Route on surface
- Compound traffic routes

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Central Chilterns CFA 9
Construction Compounds Routes and Vehicle Numbers

Petitioner

Petition number

Scale at A3: 1:30,000

0 300 600 900 1,200 Metres

Doc Number: C222-ATK-EV-DPL-020-300004-PET0000

P3769 (4)

HOL/10024/0026

B4009 Nash Lee Road overbridge satellite compound (civil engineering) / (rail systems)	
Start Date	2018
Duration of Use	7 Years
Duration of Busy Movements	15 Months
Peak daily vehicles Cars & LGV	10-20
Peak daily vehicles HGV	310-450

Wendover green tunnel (north) satellite compound	
Start Date	2018
Duration of Use	2 Years 6 Months
Duration of Busy Movements	26 Months
Peak daily vehicles Cars & LGV	70-90
Peak daily vehicles HGV	40-50

Wendover green tunnel (south) satellite compound (civil engineering) / Wendover Green tunnel (south portal) satellite compound (rail systems)		
Start Date	2017	2023
Duration of Use	2 Years 9 Months	1 Year 3 Months
Duration of Busy Movements	32 Months	
Peak daily vehicles Cars & LGV	80-100	
Peak daily vehicles HGV	40-50	

Small Dean viaduct launch satellite compound	
Start Date	2018
Duration of Use	2 Years
Duration of Busy Movements	22 Months
Peak daily vehicles Cars & LGV	80-90
Peak daily vehicles HGV	20-30

Small Dean viaduct main compound	
Start Date	2017
Duration of Use	4 Years 3 Months
Duration of Busy Movements	42 Months
Peak daily vehicles Cars & LGV	110-140
Peak daily vehicles HGV	10-20

Risborough Road satellite compound	
Start Date	2017
Duration of Use	3 Years
Duration of Busy Movements	19 Months
Peak daily vehicles Cars & LGV	140-190
Peak daily vehicles HGV	10-20

Rocky Lane underbridge satellite compound (civil engineering) / Wendover auto-transformer station satellite compound (rail systems)	
Start Date	2018
Duration of Use	6 Years 9 Months
Duration of Busy Movements	20 Months
Peak daily vehicles Cars & LGV	30-90
Peak daily vehicles HGV	140-230

Wendover Dean viaduct satellite compound	
Start Date	2018
Duration of Use	2 Years
Duration of Busy Movements	19 Months
Peak daily vehicles Cars & LGV	40-50
Peak daily vehicles HGV	20-30

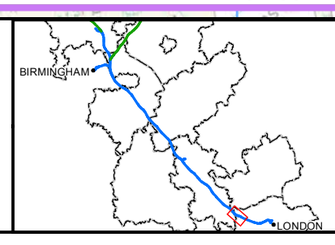
Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

Stoke Mandeville
A413
Wendover
Route through construction site
Small Dean Lane
Rocky Lane
Route through construction site
Refer to : Central Chilterns
A4010 Risborough Road
A413 mass haul route from Chiltern Tunnel north portal satellite compound to B4009 Nash Lee Road
Mass haul route through construction site
Dunsmore
A413
Great Missenden

Legend

- Construction compounds
- Route in tunnel
- Mass haul traffic route
- Route on surface
- Compound traffic routes

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Dunsmore, Wendover and Halton CFA10
Compound Routes and Vehicle Numbers

Petitioner

Petition number

Scale at A3: 1:30,000

0 250 500 750 1,000 Metres

Doc Number: C222-ATK-EV-DPL-020-300005-PET000000

A41 Bicester Road Embankment main compound (civil engineering) / Putlowes auto-transformer station satellite compound (rail systems)	
Start Date	2017
Duration of Use	7 Years
Duration of Busy Movements	22 Months
Peak daily vehicles Cars & LGV	180-240
Peak daily vehicles HGV	10-20

Thame Valley viaduct satellite compound	
Start Date	2018
Duration of Use	2 Years 3 months
Duration of Busy Movements	21 Months
Peak daily vehicles Cars & LGV	110-150
Peak daily vehicles HGV	40-50

Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

A418 Oxford Road overbridge satellite compound (civil engineering) / Sedrup express feeder auto-transformer station satellite compound (rail systems)	
Start Date	2018
Duration of Use	6 Years 3 Months
Duration of Busy Movements	11 Months
Peak daily vehicles Cars & LGV	140-220
Peak daily vehicles HGV	20-40

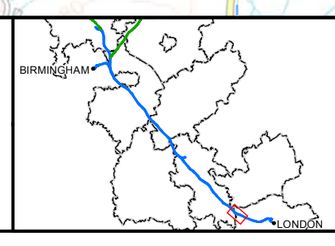
A41 Bicester Road overbridge satellite compound	
Start Date	2017
Duration of Use	2 Years 9 Months
Duration of Busy Movements	11 Months
Peak daily vehicles Cars & LGV	30-50
Peak daily vehicles HGV	310-370

Princes Risborough to Aylesbury rail overbridge satellite compound (civil engineering + rail systems) / Princes Risborough to Aylesbury rail overbridge satellite compound (east and west) (rail systems)		
Start Date	2017	2018
Duration of Use	2 Years 6 Months	9 Months
Duration of Busy Movements	8 Months	
Peak daily vehicles Cars & LGV	100-120	
Peak daily vehicles HGV	10-20	

Legend

- Construction compounds
- Mass haul traffic route
- Compound traffic routes
- Route in tunnel
- Route on surface

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Stoke Mandeville and Aylesbury CFA 11 / Waddesdon CFA 12
Construction Compound Routes and Vehicle Numbers

Petitioner

Petition number

Scale at A3: 1:30,000

0 250 500 750 1,000 Metres

Doc Number: C222-ATK-EV-DPL-020-300006-PET000000

West Street overbridge main compound (civil engineering) / Calvert railhead main compound (rail systems) / IMD reception sidings satellite compound (rail systems)		
Start Date	2016	2018
Duration of Use	6 Years 9 Months	8 Years
Duration of Busy Movements	24 Months	
Peak daily vehicles Cars & LGV	1030-1280	
Peak daily vehicles HGV	40-60	

School Hill green overbridge satellite compound (civil engineering + rail systems) / Aylesbury Link line satellite compound (rail systems)		
Start Date	2016	2019
Duration of Use	7 Years 3 Months	1 Year 9 Months
Duration of Busy Movements	37 Months	
Peak daily vehicles Cars & LGV	220-300	
Peak daily vehicles HGV	30-40	

Station Road overbridge satellite compound	
Start Date	2017
Duration of Use	2 Years 9 Months
Duration of Busy Movements	16 Months
Peak daily vehicles Cars & LGV	140-190
Peak daily vehicles HGV	<10

Woodlands Cutting satellite compound (civil engineering) / Quainton auto-transformer feeder station satellite compound (rail systems)	
Start Date	2017
Duration of Use	7 Years
Duration of Busy Movements	14 Months
Peak daily vehicles Cars & LGV	130-180
Peak daily vehicles HGV	30-60

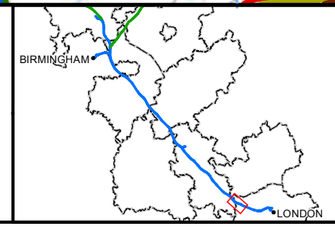
Route through construction site
Addison Road
West Street
Twyford
Perry Hill
School Hill
Calvert
Charndon
Lawn Hill
Edgcott
Buckingham Road
Marsh Gibbon
Grendon Underwood
Claydon Road
Quainton
Edgcott Road
Fidlers Field Road
Station Road
A41 Bicester Road

Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

Legend

- Construction compounds
- Mass haul traffic route
- Compound traffic routes
- Potential compound route for normal indivisible load only
- Route in tunnel
- Route on surface

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Quainton CFA 12 / Calvert, Steeple Claydon and Twyford CFA 13 Construction Compound Routes and Vehicle Numbers

Petitioner

Petition number

Scale at A3: 1:30,000

0 250 500 750 1,000 Metres

Doc Number: C222-ATK-EV-DPL-020-300007-PET000000

Featherbed Lane overbridge satellite compound (civil engineering) / Tibbetts Farm express feeder autotransformer station satellite compound (rail systems)	
Start Date	2017
Duration of Use	5 Years 3 Months
Duration of Busy Movements	19 Months
Peak daily vehicles Cars & LGV	80-120
Peak daily vehicles HGV	10-40

Turweston green overbridge satellite compound	
Start Date	2017
Duration of Use	1 Year
Duration of Busy Movements	7 Months
Peak daily vehicles Cars & LGV	40-60
Peak daily vehicles HGV	1150-1160

A422 Brackley Road overbridge satellite compound	
Start Date	2017
Duration of Use	3 Years
Duration of Busy Movements	8 Months
Peak daily vehicles Cars & LGV	100-120
Peak daily vehicles HGV	<10

Westbury viaduct satellite compound	
Start Date	2017
Duration of Use	2 Years
Duration of Busy Movements	19 Months
Peak daily vehicles Cars & LGV	90-110
Peak daily vehicles HGV	10-20

A421 London Road overbridge satellite compound	
Start Date	2018
Duration of Use	1 Year 6 Months
Duration of Busy Movements	7 Months
Peak daily vehicles Cars & LGV	110-120
Peak daily vehicles HGV	10-20

A4421 Buckingham Road overbridge satellite compound	
Start Date	2017
Duration of Use	3 Years
Duration of Busy Movements	6 Months
Peak daily vehicles Cars & LGV	20-30
Peak daily vehicles HGV	360-370

Chetwode cutting satellite compound (civil engineering) / Chetwode auto-transformer station satellite compound (rail systems)		
Start Date	2017	2021
Duration of Use	2 Years 9 Months	1 Year 6 Months
Duration of Busy Movements	15 Months	
Peak daily vehicles Cars & LGV	120-180	
Peak daily vehicles HGV	10-40	

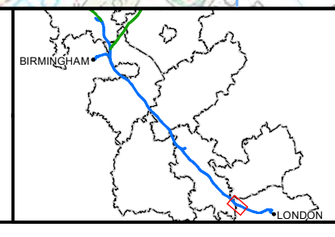
Compound traffic routes indicated on this map only refer to those compounds included within the area shown and do not indicate routes to compounds within adjacent sections of the proposed scheme.

Turweston
Route through construction site
A422 Brackley Road
Westbury
Route through construction site
Brackley
A43 Oxford Road
Evenley
Use of Featherbed Lane to be limited where reasonably practicable
Mixbury
Featherbed Lane
Route through construction site
Finmere
A421 London Road
Tingewick
A421 London Road
A4421 Buckingham Road
Chetwode

Legend

- Construction compounds
- Mass haul traffic route
- Compound traffic routes
- Route in tunnel
- Route on surface

Description Key	
Start Date	Indicative start/set up date.
Duration of Use	Estimated duration of use (years).
Duration of Busy Movements	Estimated duration with busy vehicle movements (months).
Peak daily vehicles Cars & LGV	Average daily combined two-way vehicle trips during busy period and within peak month of activity.
Peak daily vehicles HGV	



High Speed Two
Chetwode CFA 13 / Newton Purcell to Brackley CFA 14
Compound Routes and Vehicle Numbers

Petitioner

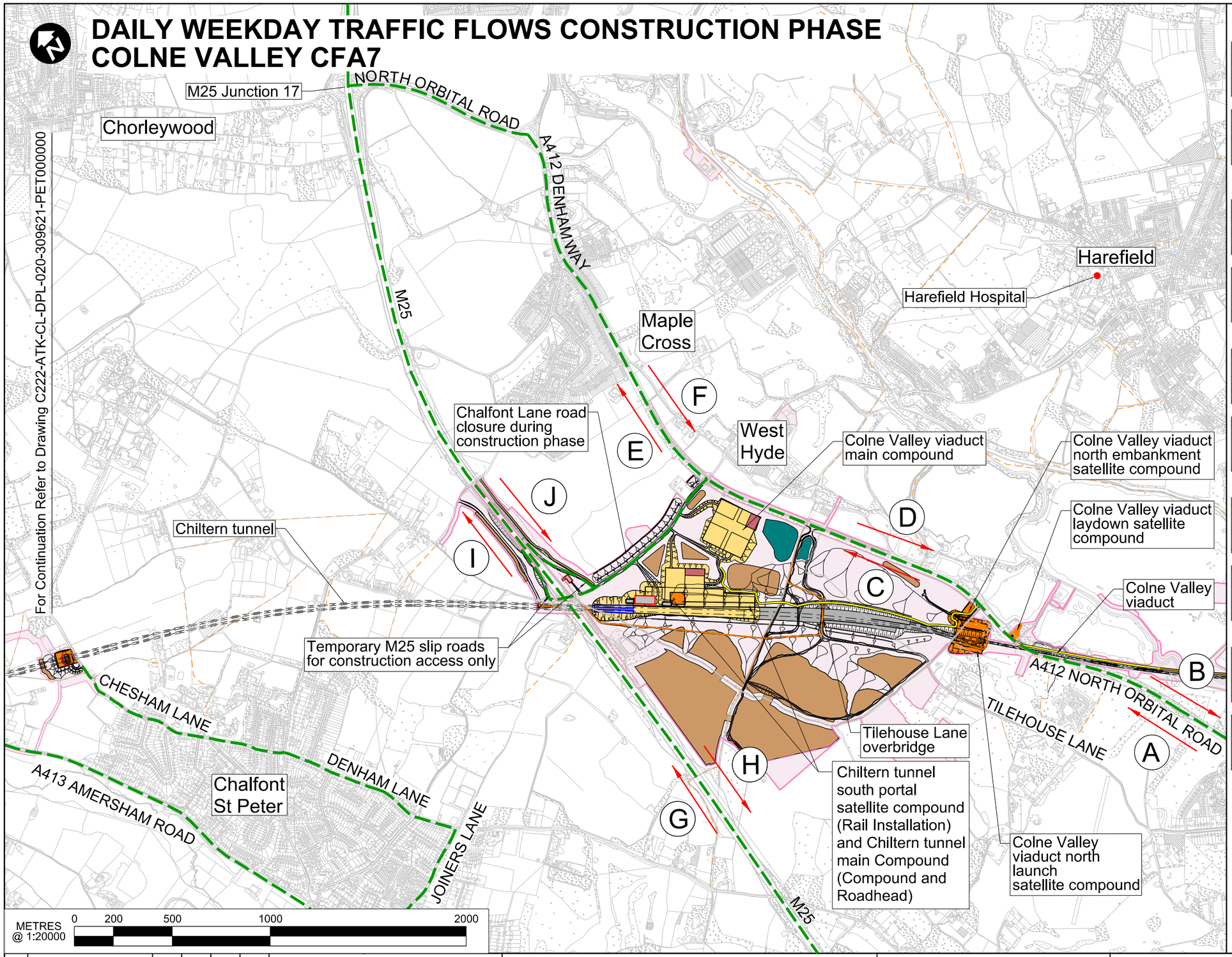
Petition number

Scale at A3: 1:30,000

0 250 500 750 1,000 Metres

Doc Number: C222-ATK-EV-DPL-020-300008-PET000000

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
COLNE VALLEY CFA7



METRES @ 1:20000 — 0 200 500 1000 2000

A412 Denham Way / North Orbital Road (between satellite compounds and Denham Green Lane)

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
A	Northbound				
	Cars & LGVs	4285	290	4575	7%
	HGVs	108	11	120	10%
B	Southbound				
	Cars & LGVs	5146	494	5641	10%
	HGVs	131	14	145	11%

A412 Denham Way / North Orbital Road (north of satellite compounds)

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
C	Northbound				
	Cars & LGVs	4285	291	4576	7%
	HGVs	108	48	156	44%
D	Southbound				
	Cars & LGVs	5146	496	5642	10%
	HGVs	131	50	181	39%

A412 Denham Way / North orbital Road

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
E	Northbound				
	Cars & LGVs	5924	142	6067	2%
	HGVs	219	0	219	0%
F	Southbound				
	Cars & LGVs	5348	142	5491	3%
	HGVs	290	0	290	0%

M25 J17 to J16 (south of temp slip roads)

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
G	Northbound				
	Cars & LGVs	57120	28	57148	0%
	HGVs	7384	523	7908	7%
H	Southbound				
	Cars & LGVs	52556	28	52585	0%
	HGVs	5671	523	6195	9%

M25 temp slip roads

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
I	Northbound				
	Cars & LGVs	0	0	0	N/A
	HGVs	0	572	572	N/A
J	Southbound				
	Cars & LGVs	0	0	0	N/A
	HGVs	0	572	572	N/A

	Description	Drawn	Checked	Con App	HS2 App
P00.1		–			

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered in England
Registration No. 06791686
Registered office:
One Canada Square,
London, E14 5AB

Creator/Originator: Atkins

Zone: Country South

Design Stage: DESIGN-FOR-PETITION

Drawing Title: Colne Valley CFA7 — Daily Weekday Traffic Flows — Construction Phase

Project/Contract: Country South Design

Discipline/Function: Construction and Logistics

Drawn	Checked	Approved
TD		

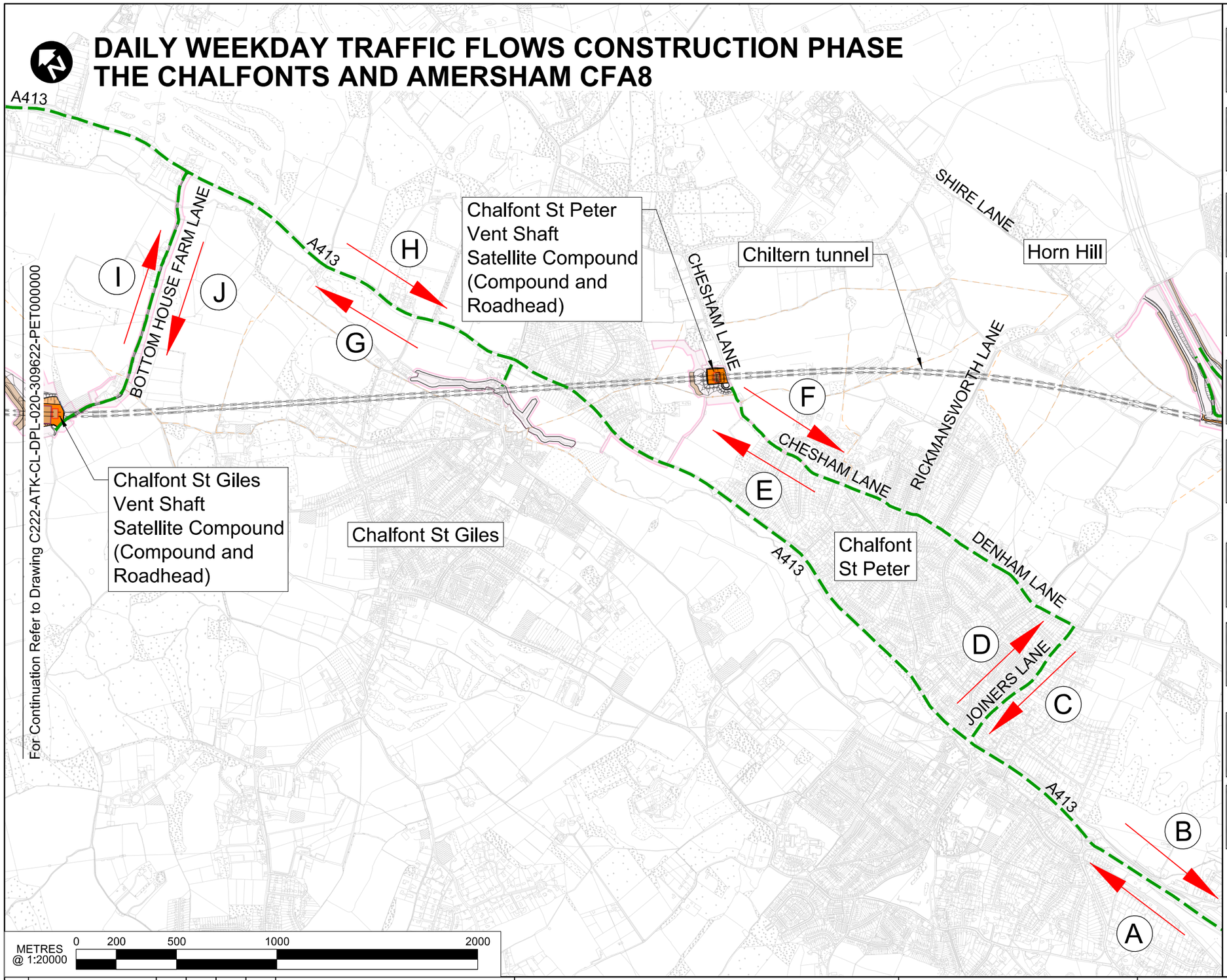
Date	Scale	Size
29/04/2016	AS SHOWN	A3

Drawing No.: C222-ATK-CL-DPL-020-309620-PET000000 Rev.: P02

P3770

HOL/10024/0031

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
THE CHALFONTS AND AMERSHAM CFA8



METRES @ 1:20000 — 0 200 500 1000 2000

A413 south of Joiners Lane

A	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7625	31	7656	0%
	HGVs	109	19	128	17%

B	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	3434	31	3465	1%
	HGVs	401	19	419	5%

Joiners Lane

C	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	2493	8	2501	0%
	HGVs	14	12	25	84%

D	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	2392	8	2400	0%
	HGVs	11	12	22	106%

Chesham Lane

E	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1029	52	1081	5%
	HGVs	7	12	18	176%

F	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	845	52	897	6%
	HGVs	7	12	19	162%

A413 Amersham Rd (between Chalfont St Giles and Bottom House Farm Lane)

G	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7226	52	7277	1%
	HGVs	70	22	92	31%

H	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7052	52	7104	1%
	HGVs	74	22	96	29%

Bottom House Farm Lane

I	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	15	57	72	380%
	HGVs	0	22	22	N/A

J	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	14	57	71	400%
	HGVs	1	22	23	2041%

P00.1		–			

Description	Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered In England
Registration No. 06791686
Registered office:
One Canada Square,
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Creator/Originator: Atkins

Zone: Country South

Design Stage: DESIGN-FOR-PETITION

Drawing Title: The Chalfonts and Amersham CFA8 — Daily Weekday Traffic Flows — Construction Phase (Sheet 1 of 2)

Project/Contract: Country South Design

Discipline/Function: Construction and Logistics

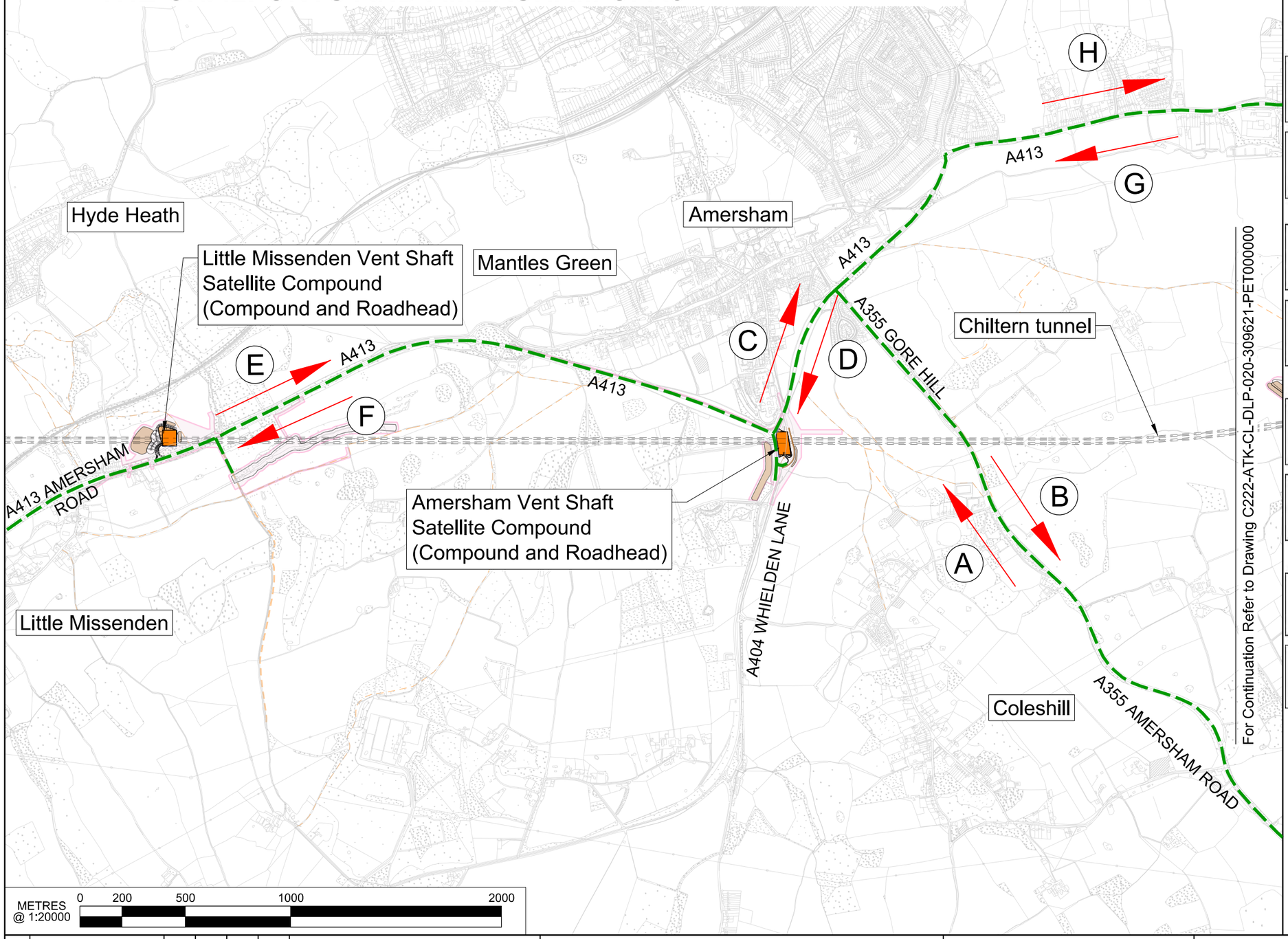
Drawn	Checked	Approved
TD		

Date	Scale	Size
29/04/2016	AS SHOWN	A3

Drawing No.: C222-ATK-CL-DPL-020-309621-PET000000

Rev.: P02

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
THE CHALFONTS AND AMERSHAM CFA8



A355 Gore Hill / Amersham Road

A	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8636	70	8706	1%
	HGVs	120	167	287	139%

B	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8631	70	8701	1%
	HGVs	78	167	245	215%

A413 Amersham Bypass

C	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	11287	104	11391	1%
	HGVs	859	163	1022	19%

D	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	11447	104	11550	1%
	HGVs	989	163	1152	16%

A413 Amersham Road (Little Missenden)

E	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8377	179	8556	2%
	HGVs	207	160	366	77%

F	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8770	179	8949	2%
	HGVs	173	160	332	92%

A413 Amersham Road, south of A355 Gore Hill/ Amersham Road

G	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7226	54	7280	1%
	HGVs	70	4	74	6%

H	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7052	54	7106	1%
	HGVs	74	4	78	5%

METRES @ 1:20000 — 0 200 500 1000 2000

P00.1		–				

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered In England
Registration No. 06791686
Registered office:
One Canada Square,
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Creator/Originator
Atkins

Zone: Country South

Design Stage: DESIGN-FOR-PETITION

Drawing Title: The Chalfonts and Amersham CFA8 — Daily Weekday Traffic Flows — Construction Phase (Sheet 2 of 2)

Project/Contract: Country South Design

Discipline/Function: Construction and Logistics

Drawn	Checked	Approved
TD		

Date	Scale	Size
29/04/2016	AS SHOWN	A3

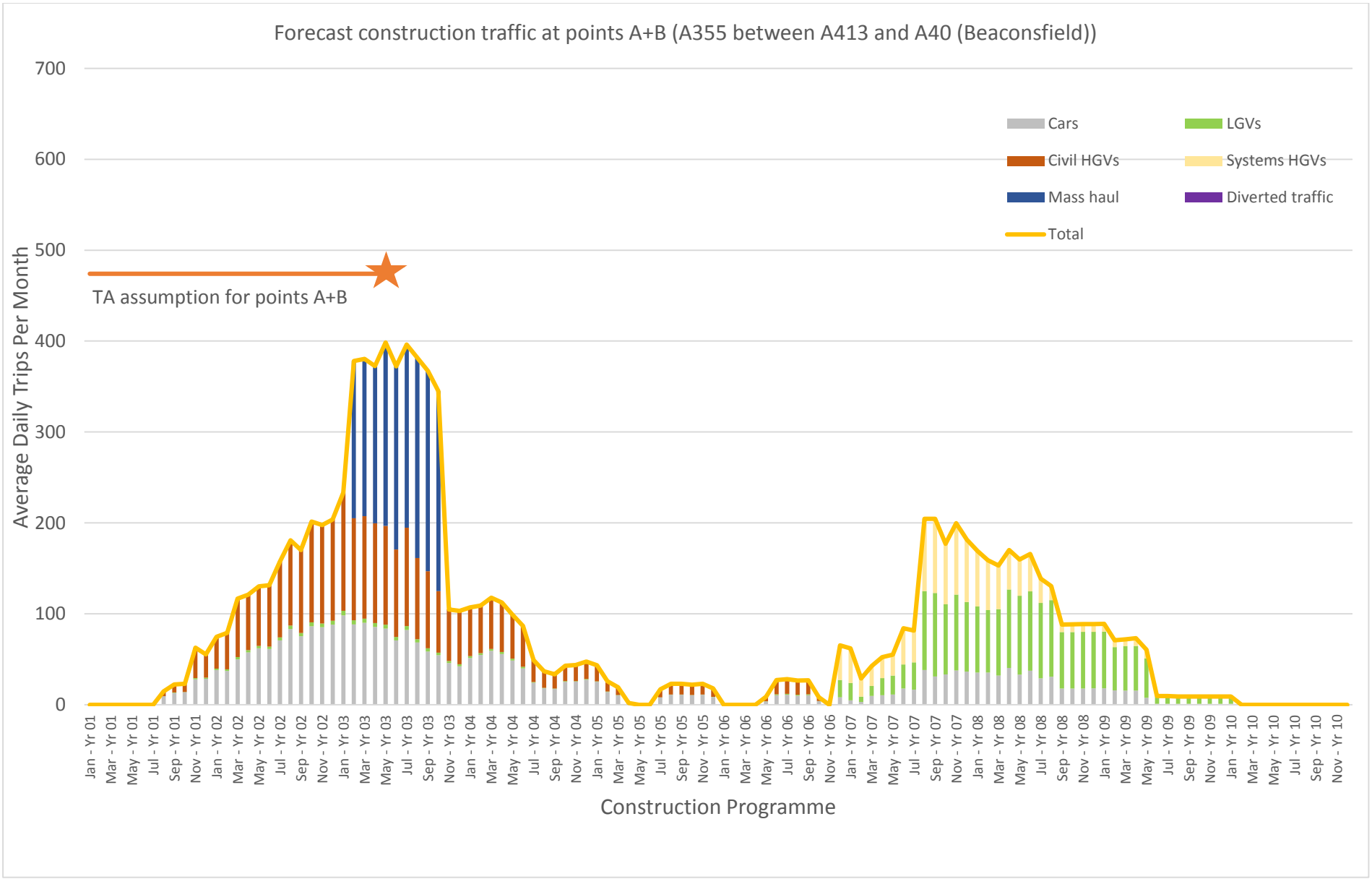
Drawing No.: C222-ATK-CL-DPL-020-309622-PET000000

Rev.: P02

Description	Drawn	Checked	Con App	HS2 App

P3771 (2)

HOL/10024/0033


Forecast construction traffic at points A+B (A355 between A413 and A40 (Beaconsfield))
Average Daily Trips Per Month
700
600
500
400
300
200
100
0
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
TA assumption for points A+B
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
May - Yr 02
Jul - Yr 02
Sep - Yr 02
Nov - Yr 02
Jan - Yr 03
Mar - Yr 03
May - Yr 03
Jul - Yr 03
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Nov - Yr 03
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Mar - Yr 06
May - Yr 06
Jul - Yr 06
Sep - Yr 06
Nov - Yr 06
Jan - Yr 07
Mar - Yr 07
May - Yr 07
Jul - Yr 07
Sep - Yr 07
Nov - Yr 07
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Jul - Yr 08
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Nov - Yr 08
Jan - Yr 09
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Jul - Yr 09
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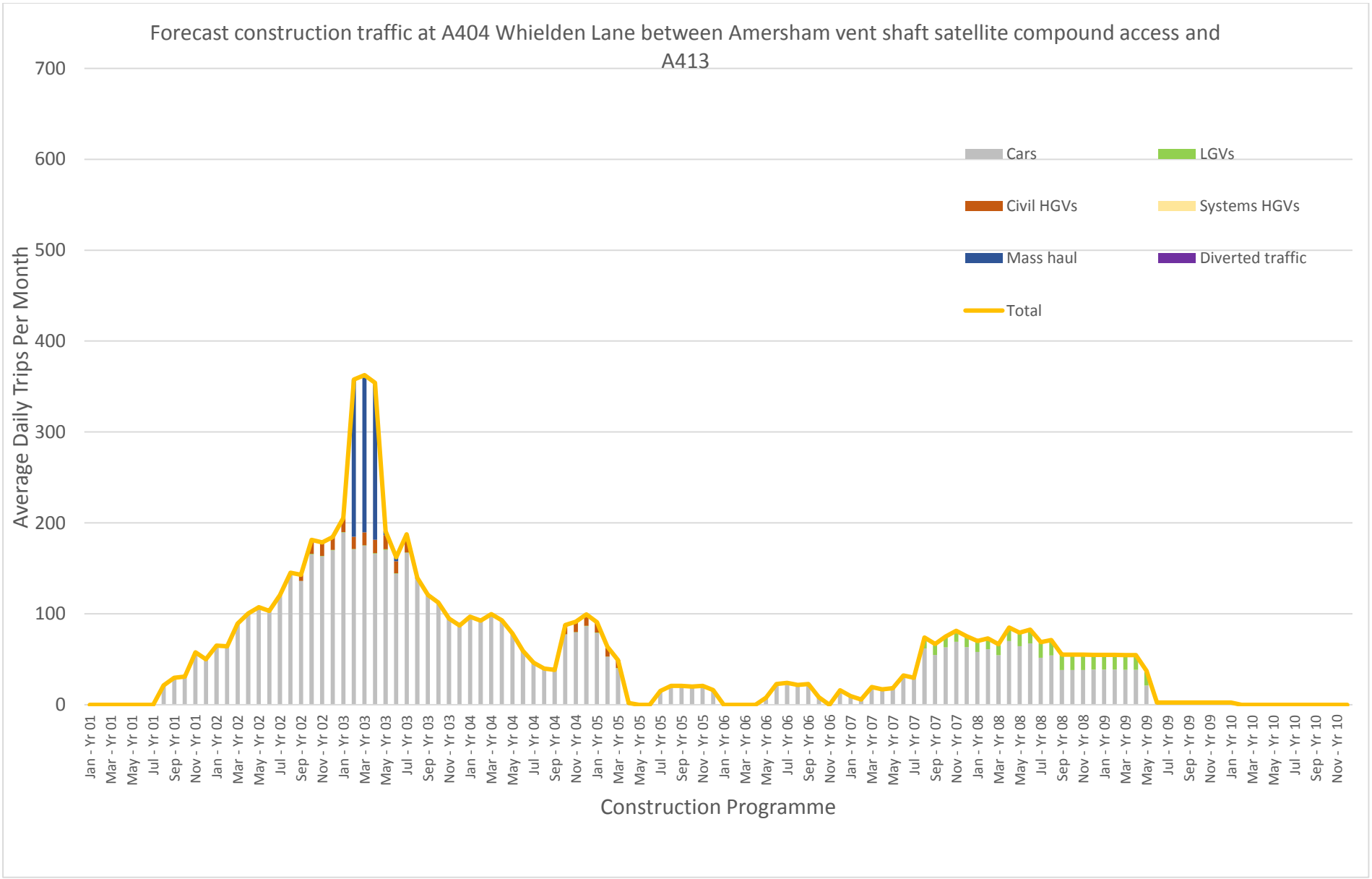
Nov - Yr 09
Jan - Yr 10
Mar - Yr 10
May - Yr 10
Jul - Yr 10
Sep - Yr 10
Nov - Yr 10
Construction Programme


Forecast construction traffic at A404 Whielden Lane between Amersham vent shaft satellite compound access and A413
Average Daily Trips Per Month
700
600
500
400
300
200
100
0
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
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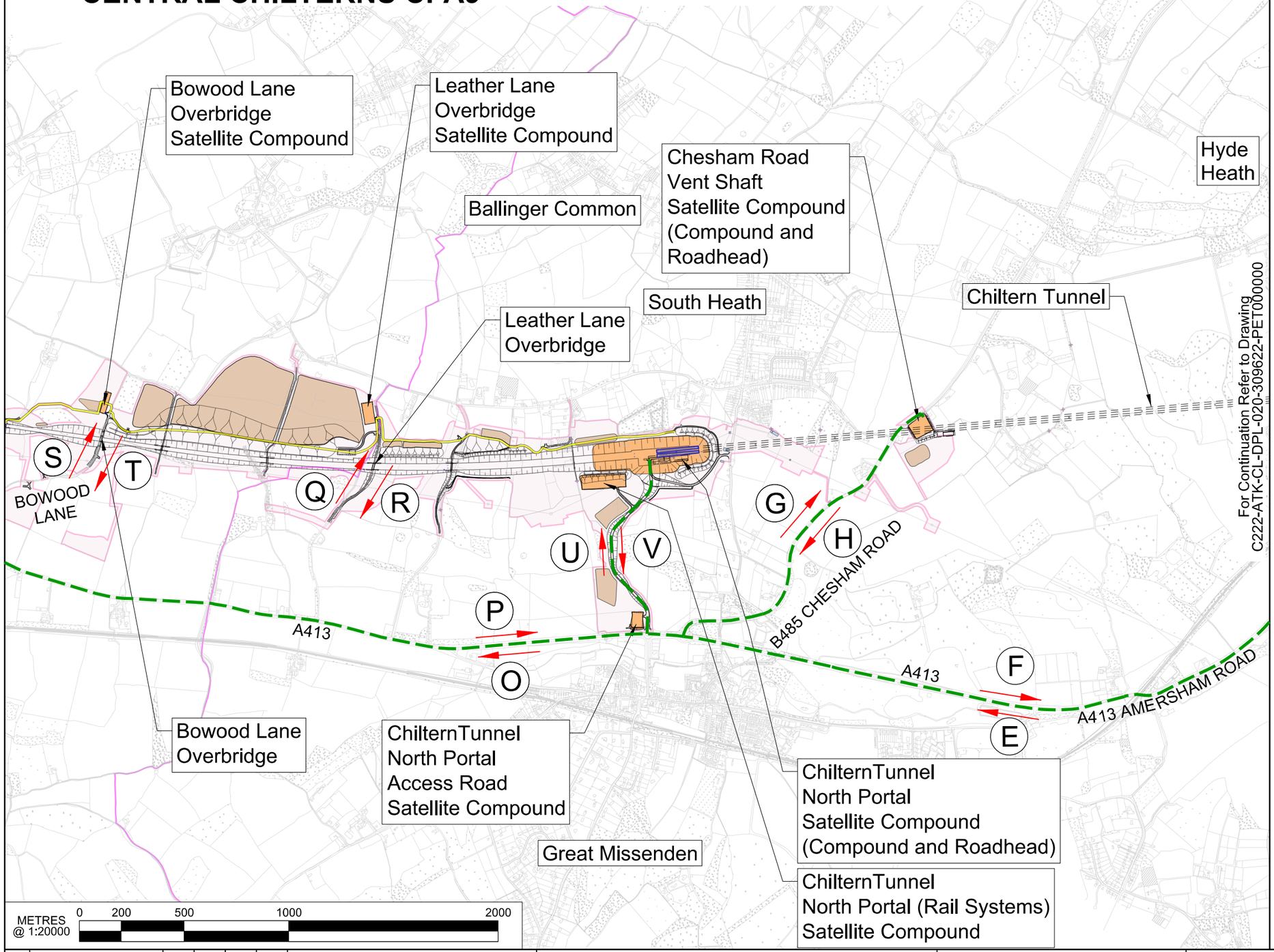
Jan - Yr 10
Mar - Yr 10
May - Yr 10
Jul - Yr 10
Sep - Yr 10
Nov - Yr 10
Construction Programme

P3771 (4)

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
CENTRAL CHILTERNS CFA9



For Continuation Refer to Drawing C222-ATK-CL-DPL-020-309622-PET000000

E — A413 Missenden Bypass (South of B485)

Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	8330	153	8483	2%
HGVs	223	155	378	69%

F

Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	9498	153	9651	2%
HGVs	318	155	473	49%

G — B485 Chesham Road / Frith Hill (west of King's Lane)

Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	4575	89	4664	2%
HGVs	139	110	249	79%

H

Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	4487	89	4576	2%
HGVs	269	110	379	41%

O — A413 Missenden Bypass (North of B485)

Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	8128	174	8302	2%
HGVs	195	156	351	80%

P

Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	8309	174	8483	2%
HGVs	273	156	429	57%

Q — Leather Lane

Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	231	26	257	11%
HGVs	2	0	2	0%

R

Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	256	26	282	10%
HGVs	2	0	2	0%

S — Bowood Lane

Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	4	55	59	1300%
HGVs	0	0	0	N/A

T

Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	6	55	61	939%
HGVs	0	0	0	N/A

U — New link road

Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	0	45	45	N/A
HGVs	0	135	135	N/A

V

Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
Cars & LGVs	0	45	45	N/A
HGVs	0	135	135	N/A

P00.1		--				

Description	Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Constuction site access route
- Construction traffic route
- Temporary material stockpile

Registered In England
Registration No. 06791686
Registered office:
One Canada Square,
London, E14 5AB

Creator/Originator: Atkins

Zone: Country South

Project/Contract: Country South Design

Design Stage: DESIGN-FOR-PETITION

Discipline/Function: Construction and Logistics

Drawing Title: Central Chilterns CFA9 — Daily Weekday Traffic Flows — Construction Phase

Drawn	Checked	Approved
IE		

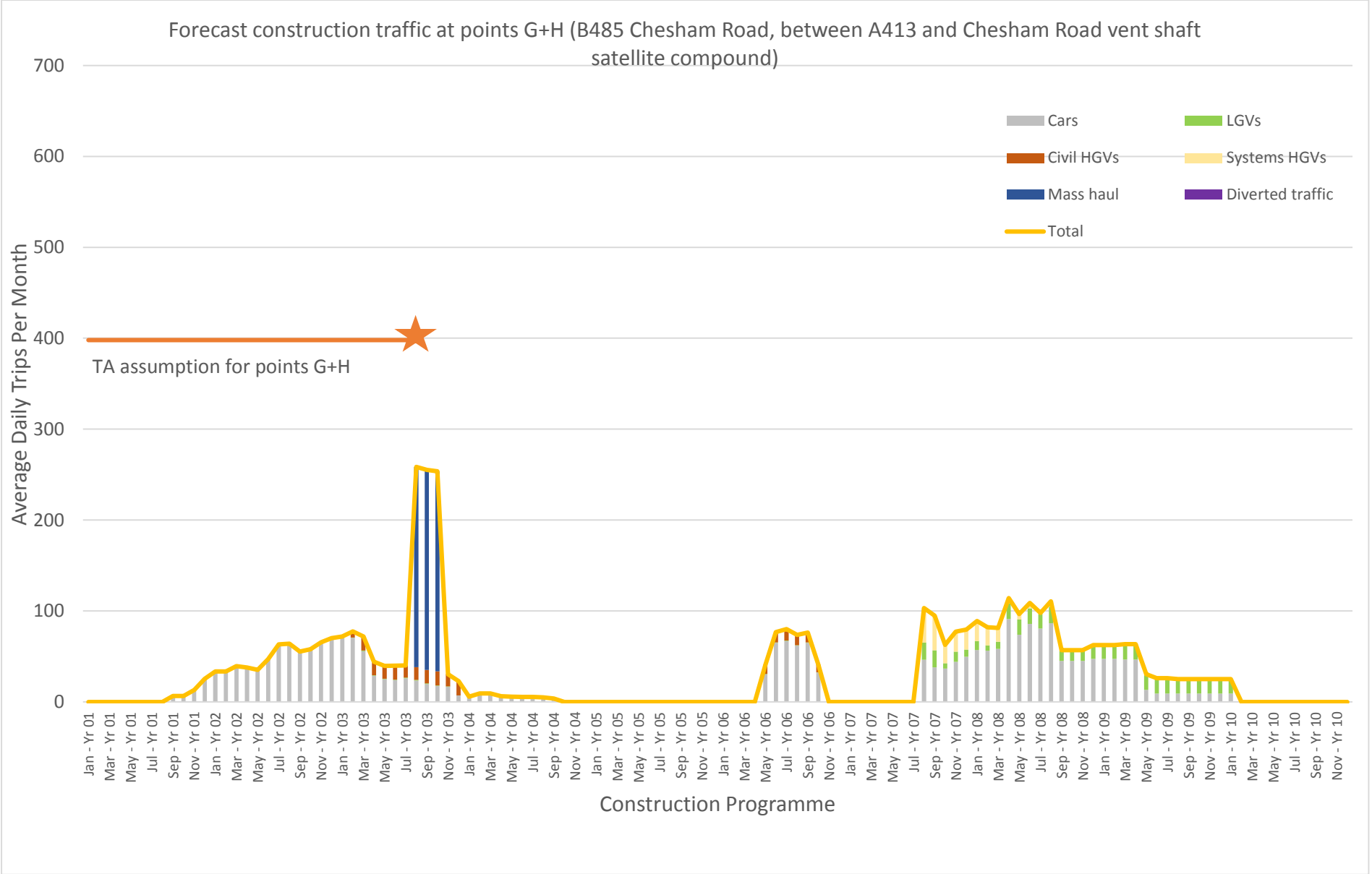
Date	Scale	Size
27/04/2016	AS SHOWN	A3

Drawing No.: C222-ATK-CL-DPL-020-309623-PET000000

Rev.: P02

P3772 (1)

HOL/10024/0036


Forecast construction traffic at points G+H (B485 Chesham Road, between A413 and Chesham Road vent shaft satellite compound)
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
TA assumption for points G+H
Average Daily Trips Per Month
0
100
200
300
400
500
600
700
Construction Programme
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
May - Yr 02
Jul - Yr 02
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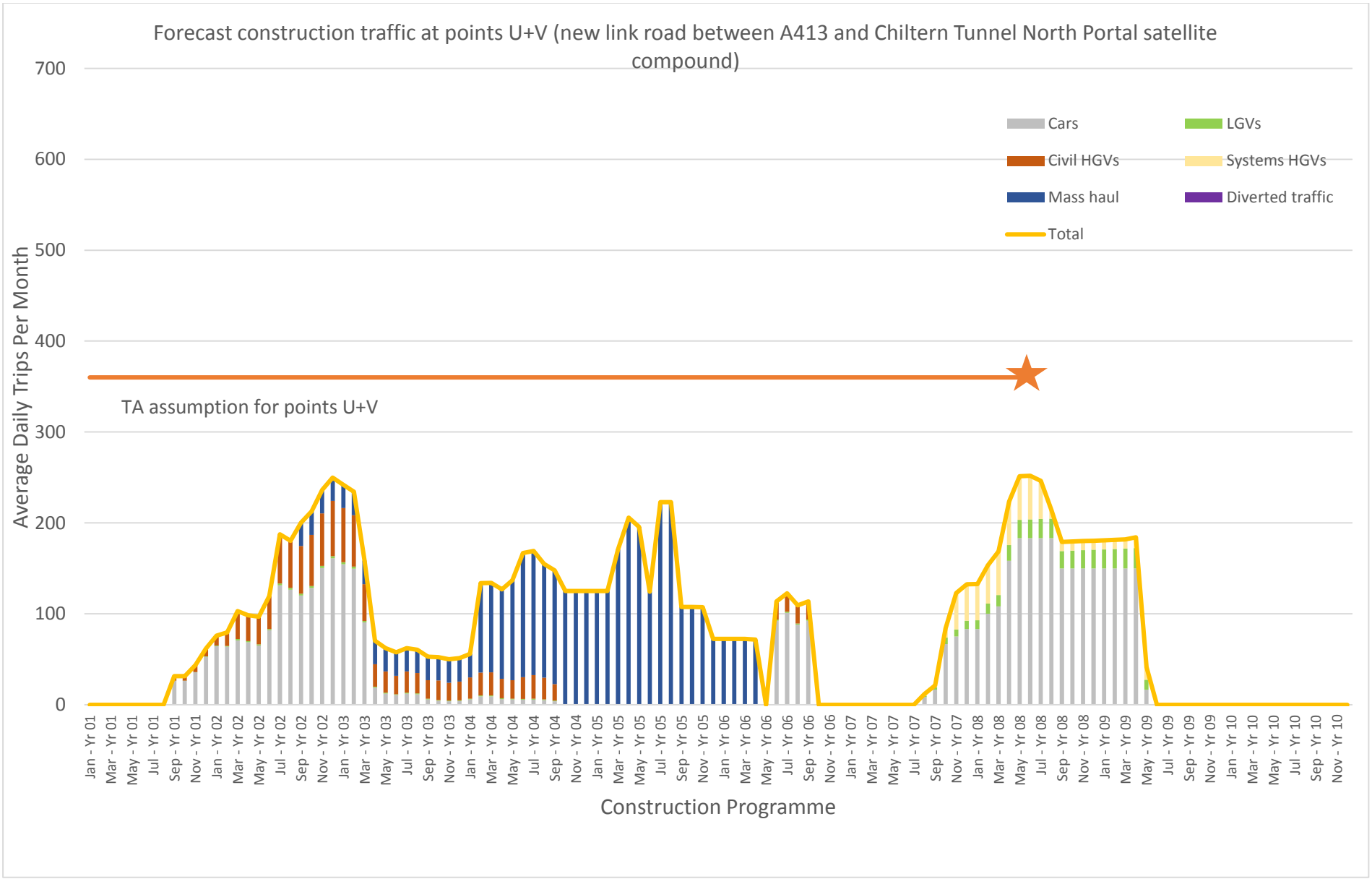
Forecast construction traffic at points U+V (new link road between A413 and Chiltern Tunnel North Portal satellite compound)
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
TA assumption for points U+V
Average Daily Trips Per Month
0
100
200
300
400
500
600
700
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
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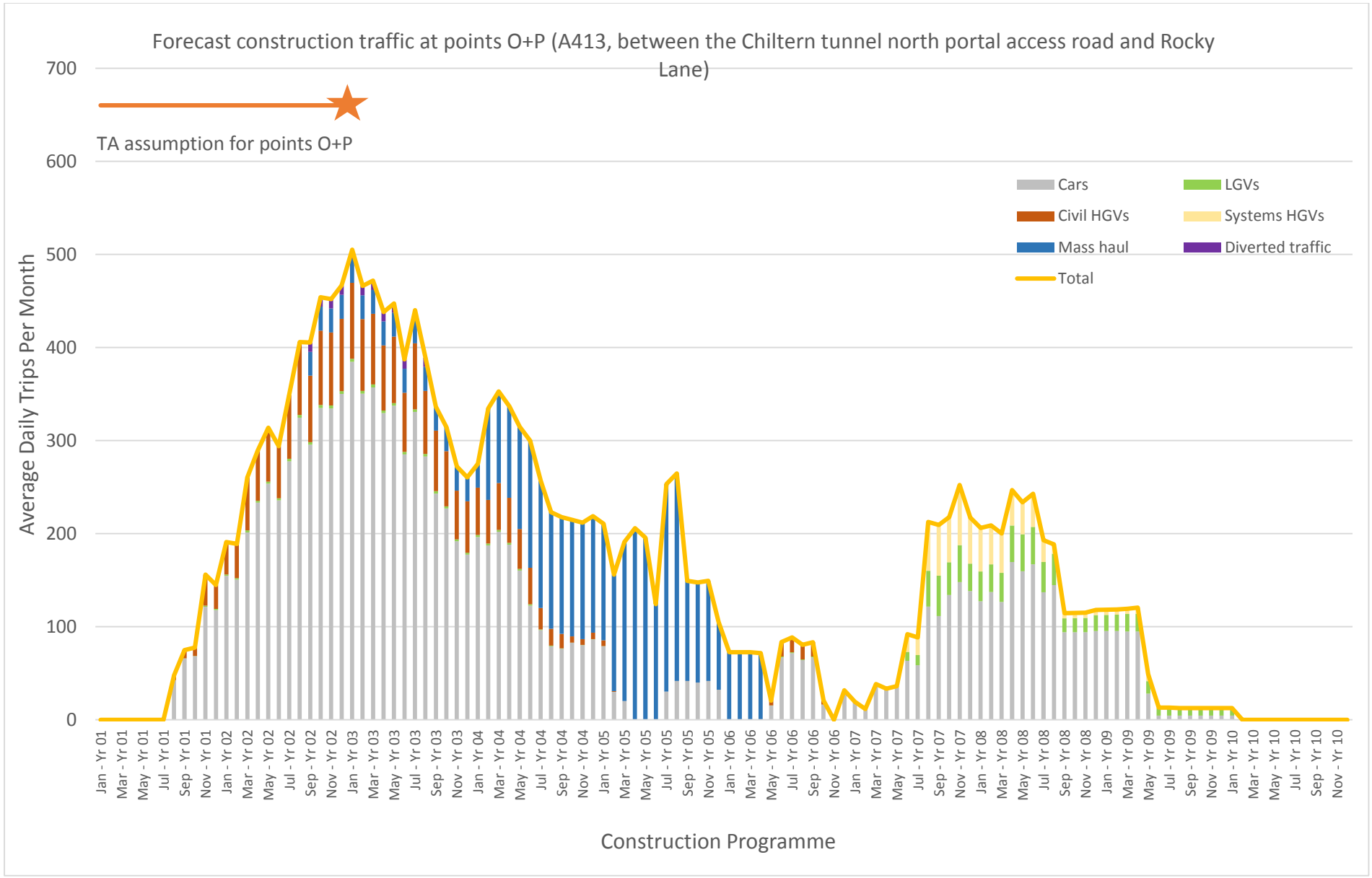
Sep - Yr 10
Nov - Yr 10
Construction Programme

P3772 (3)


Forecast construction traffic at points O+P (A413, between the Chiltern tunnel north portal access road and Rocky Lane)
TA assumption for points O+P
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
Average Daily Trips Per Month
0
100
200
300
400
500
600
700
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
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May - Yr 02
Jul - Yr 02
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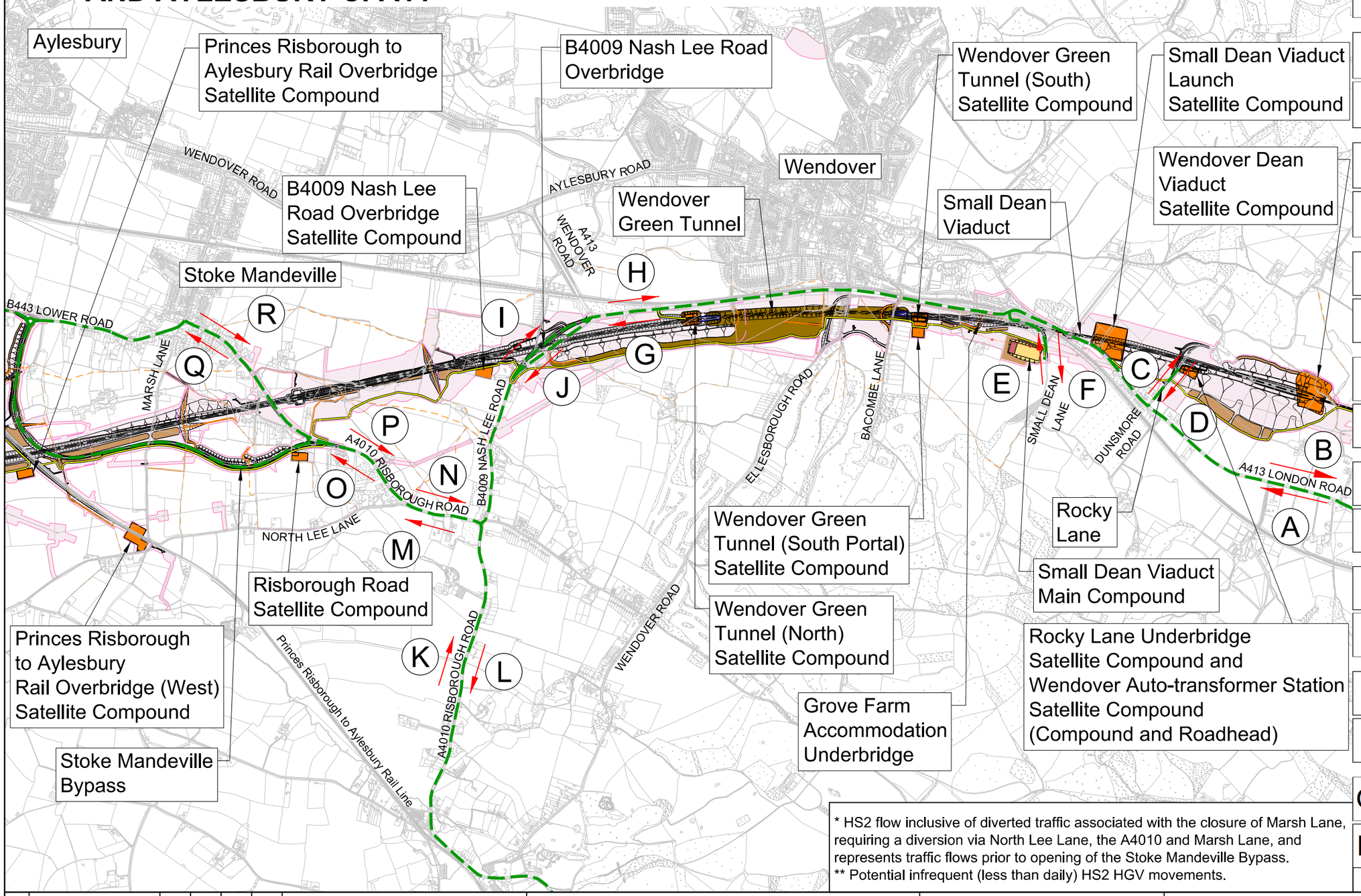
Sep - Yr 10
Nov - Yr 10
Construction Programme

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
WENDOVER, DUNSMORE AND HALTON CFA10 / STOKE MANDEVILLE AND AYLESBURY CFA11



A413 (south of Dunsmore Lane)

A	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	10097	174	10271	2%
	HGVs	98	156	254	160%
B	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	10112	174	10285	2%
	HGVs	140	156	296	112%

Rocky Lane

C	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	662	111	773	17%
	HGVs	3	143	146	4376%
D	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	603	112	715	19%
	HGVs	3	143	146	5474%

Small Dean Lane

E	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	55	120	175	217%
	HGVs	1	31	31	4310%
F	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	66	120	186	183%
	HGVs	0	31	31	N/A

A413 Nash Lee Road

G	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7171	175	7346	2%
	HGVs	288	289	577	100%
H	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	6924	175	7099	3%
	HGVs	276	289	565	105%

B4009 Nash Lee Road

I	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4746	110	4856	2%
	HGVs	60	292	352	488%
J	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4587	110	4697	2%
	HGVs	41	292	334	708%

A4010 Aylesbury Road / Risborough Road

K*	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7724	110	7834	1%
	HGVs	75	73	148	98%
L*	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7179	110	7289	2%
	HGVs	78	73	151	94%

A4010 Risborough Road (south of North Lee Lane)

M	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8084	46	8129	1%
	HGVs	288	5	293	2%
N	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7870	46	7916	1%
	HGVs	296	5	301	2%

A4010 Risborough Road (south of bypass)

O*	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8084	1035	9118	13%
	HGVs	288	10	298	3%
P*	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7870	996	8867	13%
	HGVs	296	12	308	4%

A4010 Risborough Road (north of bypass)

Q*,**	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8084	1035	9118	13%
	HGVs	288	0	288	0%
R*,**	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7870	996	8867	13%
	HGVs	296	0	296	0%

* HS2 flow inclusive of diverted traffic associated with the closure of Marsh Lane, requiring a diversion via North Lee Lane, the A4010 and Marsh Lane, and represents traffic flows prior to opening of the Stoke Mandeville Bypass.
** Potential infrequent (less than daily) HS2 HGV movements.

Description	Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered In England
Registration No. 06791686
Registered office:
One Canada Square,
London, E14 5AB

Creator/Originator
Atkins

Zone: Country South

Design Stage: DESIGN-FOR-PETITION

Drawing Title: Wendover, Dunsmore and Halton CFA10 / Stoke Mandeville and Aylesbury CFA11 Daily weekday traffic flows Construction Phase

Project/Contract: Country South Design

Discipline/Function: Environmental

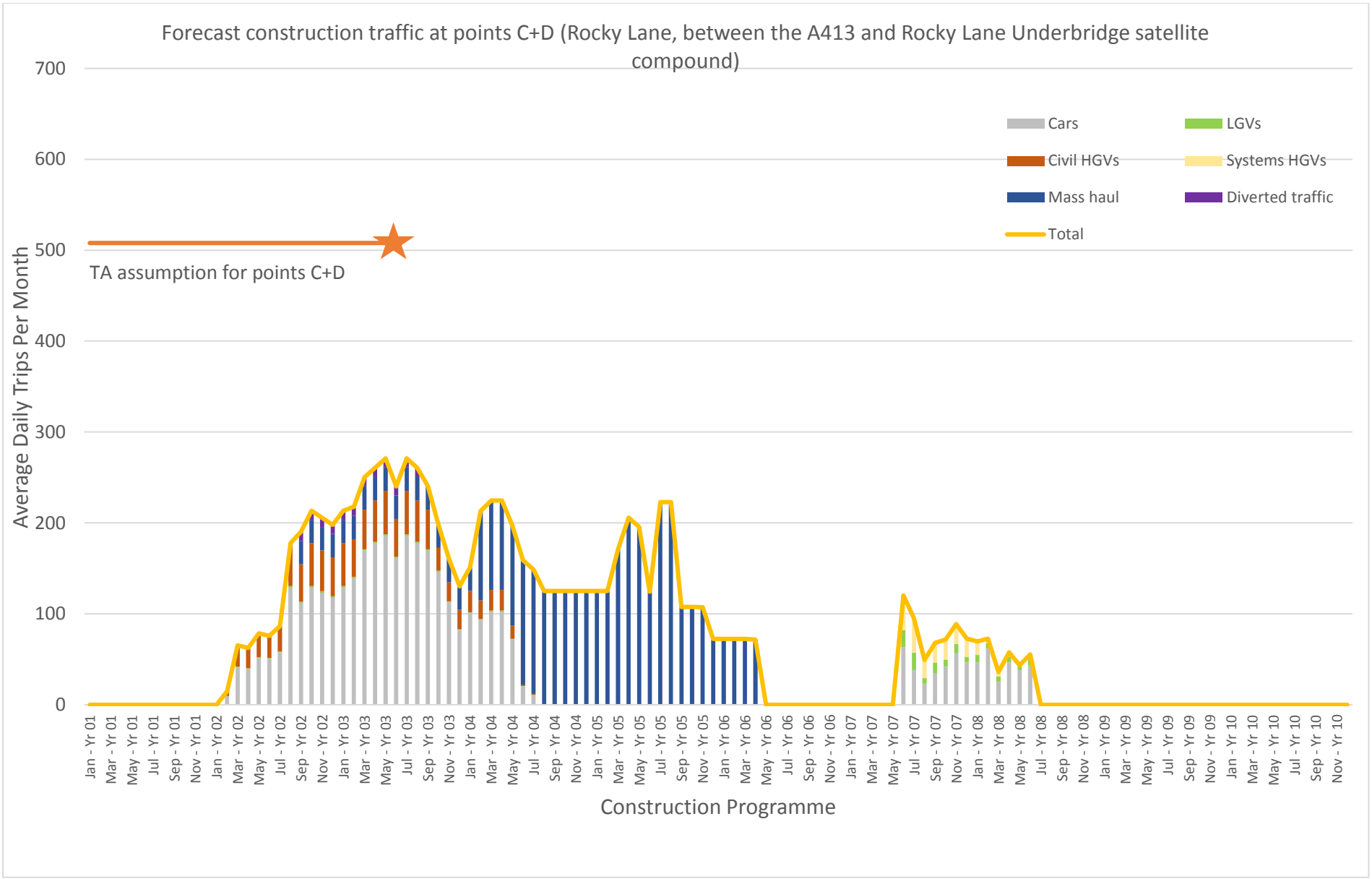
Drawn	Checked	Approved
TD		

Date	Scale	Size
29/04/2016	AS SHOWN	A3

Drawing No.: C222-ATK-EV-DPL-020-310505-PFT000000 Rev.: P02

P3773 (1)

HOL/10024/0040


Forecast construction traffic at points C+D (Rocky Lane, between the A413 and Rocky Lane Underbridge satellite compound)
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
TA assumption for points C+D
Average Daily Trips Per Month
0
100
200
300
400
500
600
700
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
May - Yr 02
Jul - Yr 02
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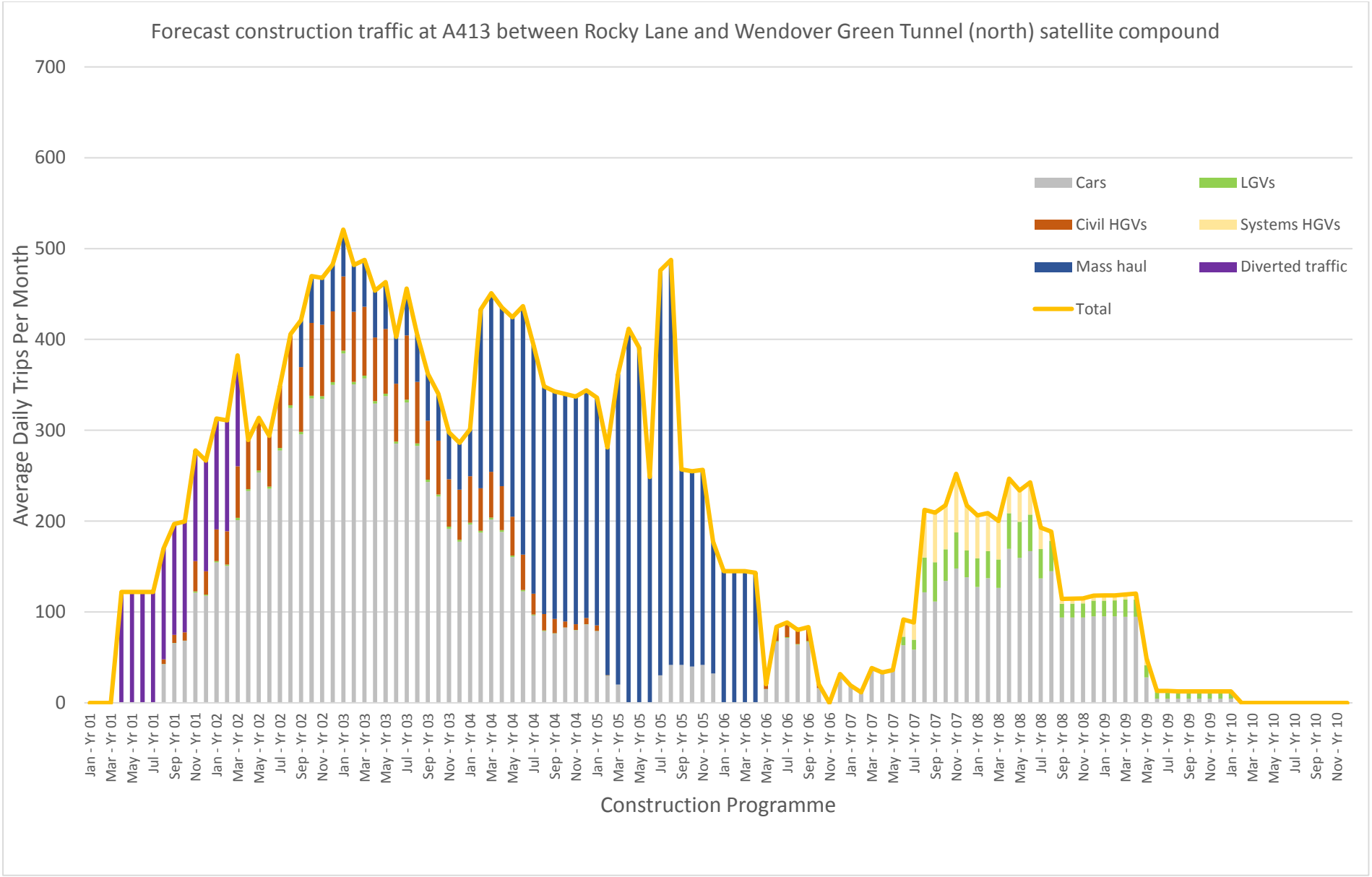
Nov - Yr 10
Construction Programme

P3773 (2)


Forecast construction traffic at A413 between Rocky Lane and Wendover Green Tunnel (north) satellite compound
Average Daily Trips Per Month
700
600
500
400
300
200
100
0
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
May - Yr 02
Jul - Yr 02
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Jan - Yr 04
Mar - Yr 04
May - Yr 04
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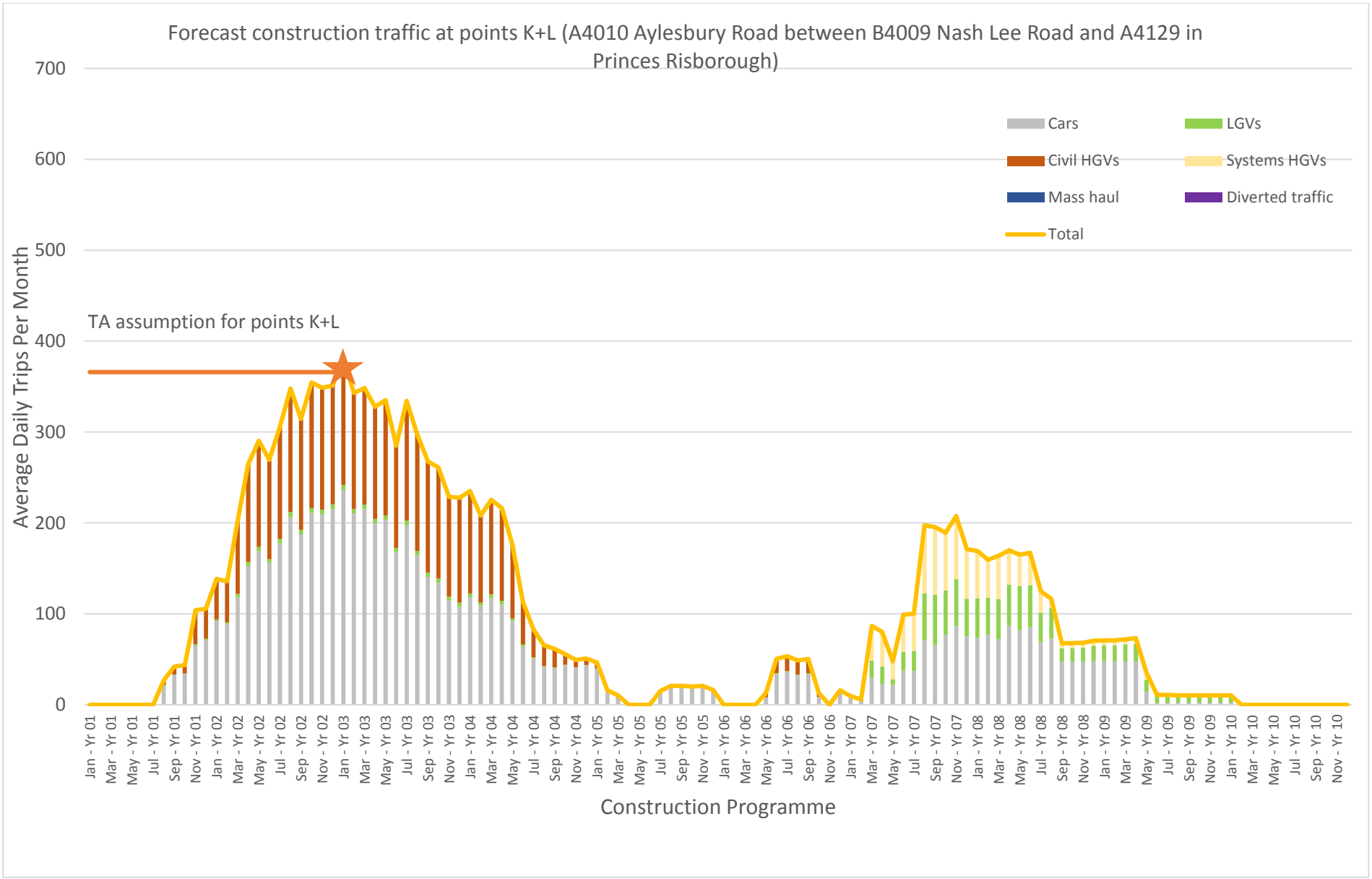
Nov - Yr 10
Construction Programme

P3773 (3)


Forecast construction traffic at points K+L (A4010 Aylesbury Road between B4009 Nash Lee Road and A4129 in Princes Risborough)
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
TA assumption for points K+L
Average Daily Trips Per Month
0
100
200
300
400
500
600
700
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
May - Yr 02
Jul - Yr 02
Sep - Yr 02
Nov - Yr 02
Jan - Yr 03
Mar - Yr 03
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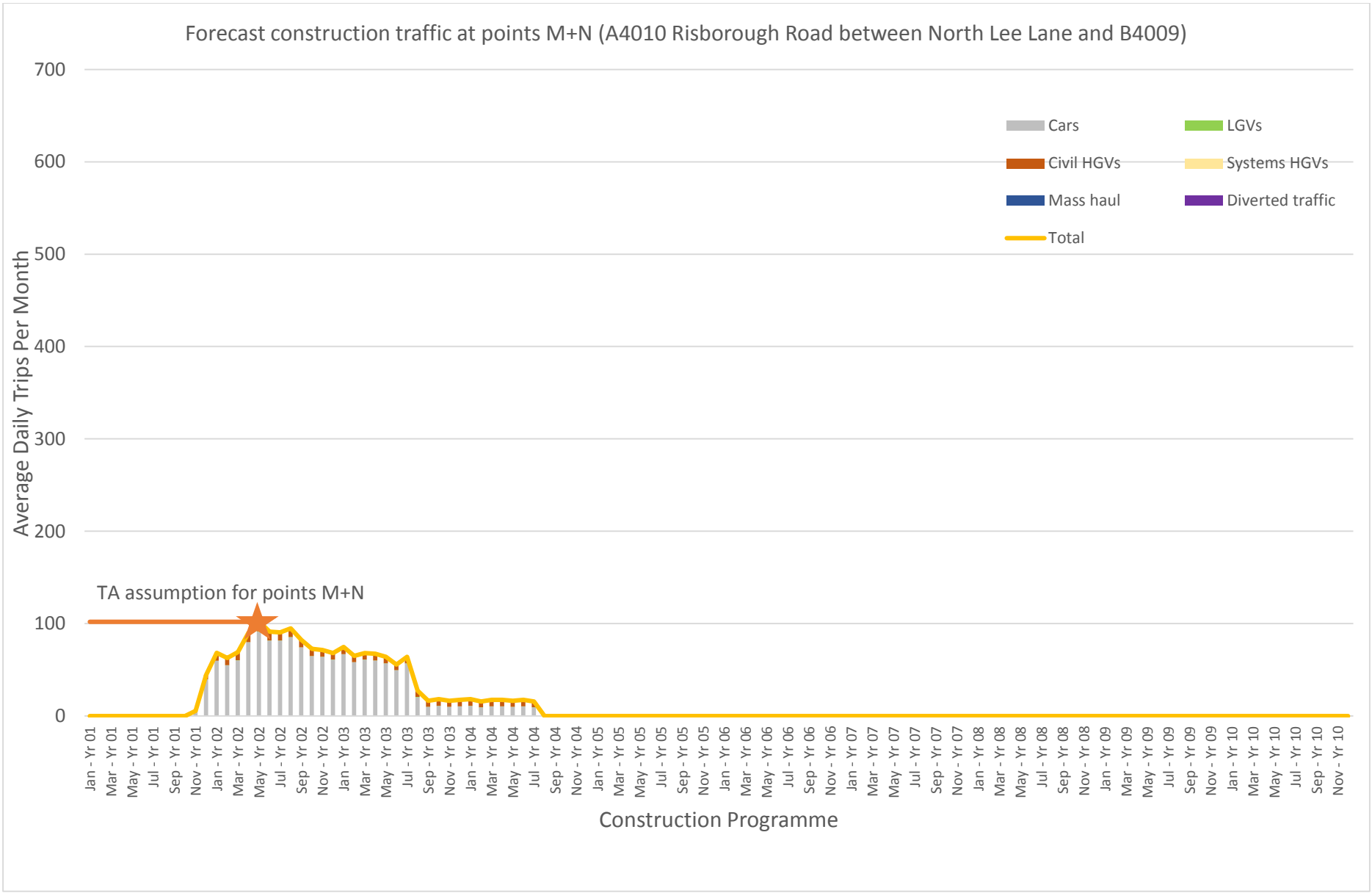
Construction Programme

P3773 (4)


Forecast construction traffic at points M+N (A4010 Risborough Road between North Lee Lane and B4009)
Average Daily Trips Per Month
700
600
500
400
300
200
100
0
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
TA assumption for points M+N
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
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Jul - Yr 03
Sep - Yr 03
Nov - Yr 03
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May - Yr 04
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Nov - Yr 06
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Jul - Yr 09
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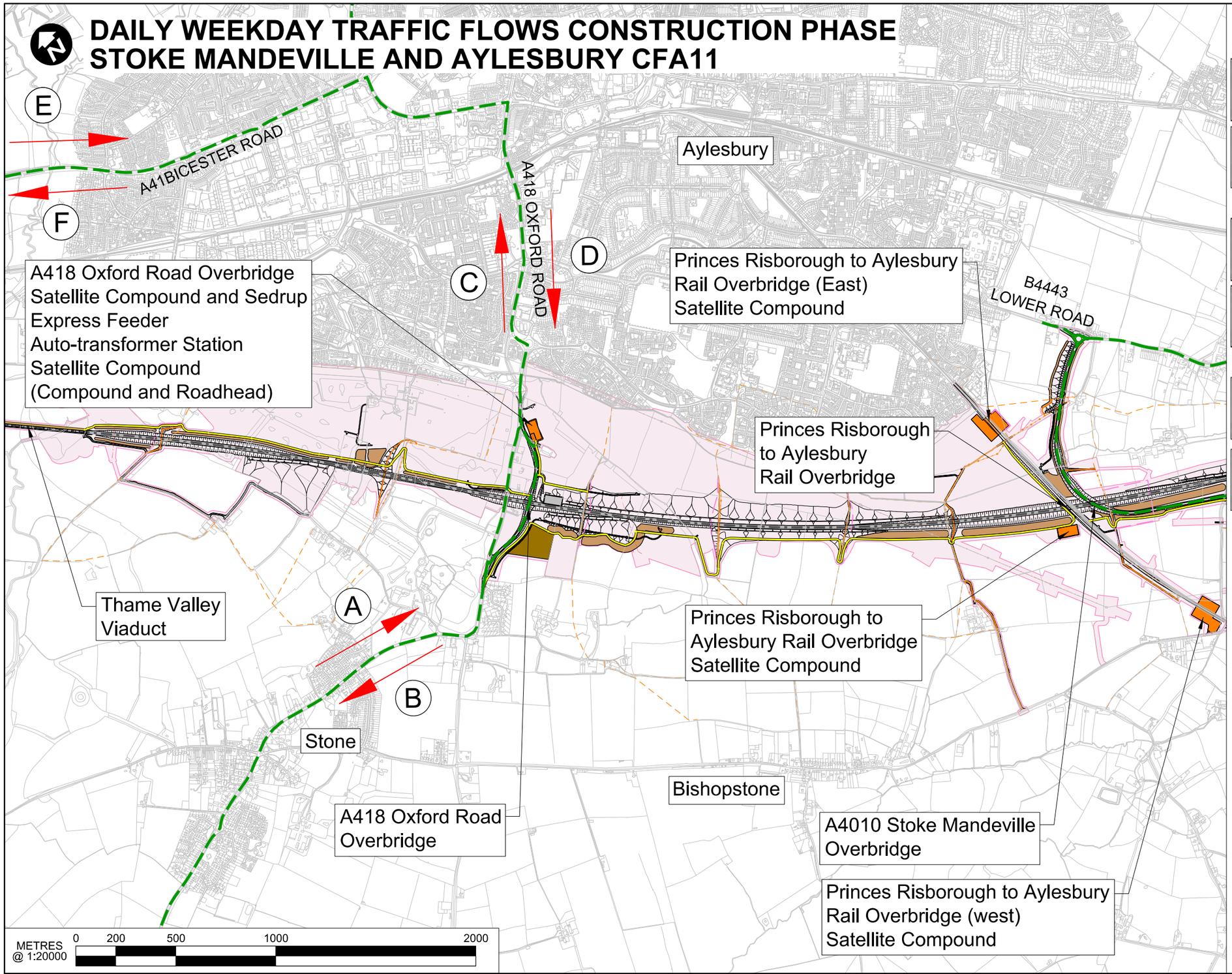
Mar - Yr 10
May - Yr 10
Jul - Yr 10
Sep - Yr 10
Nov - Yr 10
Construction Programme

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
STOKE MANDEVILLE AND AYLESBURY CFA11



A418 Oxford Road (south west of HS2 allignment)

A	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	10242	56	10297	1%
	HGVs	474	14	488	3%
B	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	10521	56	10577	1%
	HGVs	436	14	450	3%

A418 Oxford Road (north east of HS2 allignment)

C	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	10242	56	10297	1%
	HGVs	474	14	488	3%
D	Southbound	2021 12hr weekday	HS2	2021 12hr flow plus HS2	% increase
	Cars & LGVs	10521	56	10577	1%
	HGVs	436	14	450	3%

A41 (east of Blackgrove Road)

E	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7151	118	7269	2%
	HGVs	1101	20	1122	2%
F	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7241	118	7359	2%
	HGVs	1132	20	1152	2%

No.	Description	Drawn	Checked	Con App	HS2 App
P00.1	–				

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered In England
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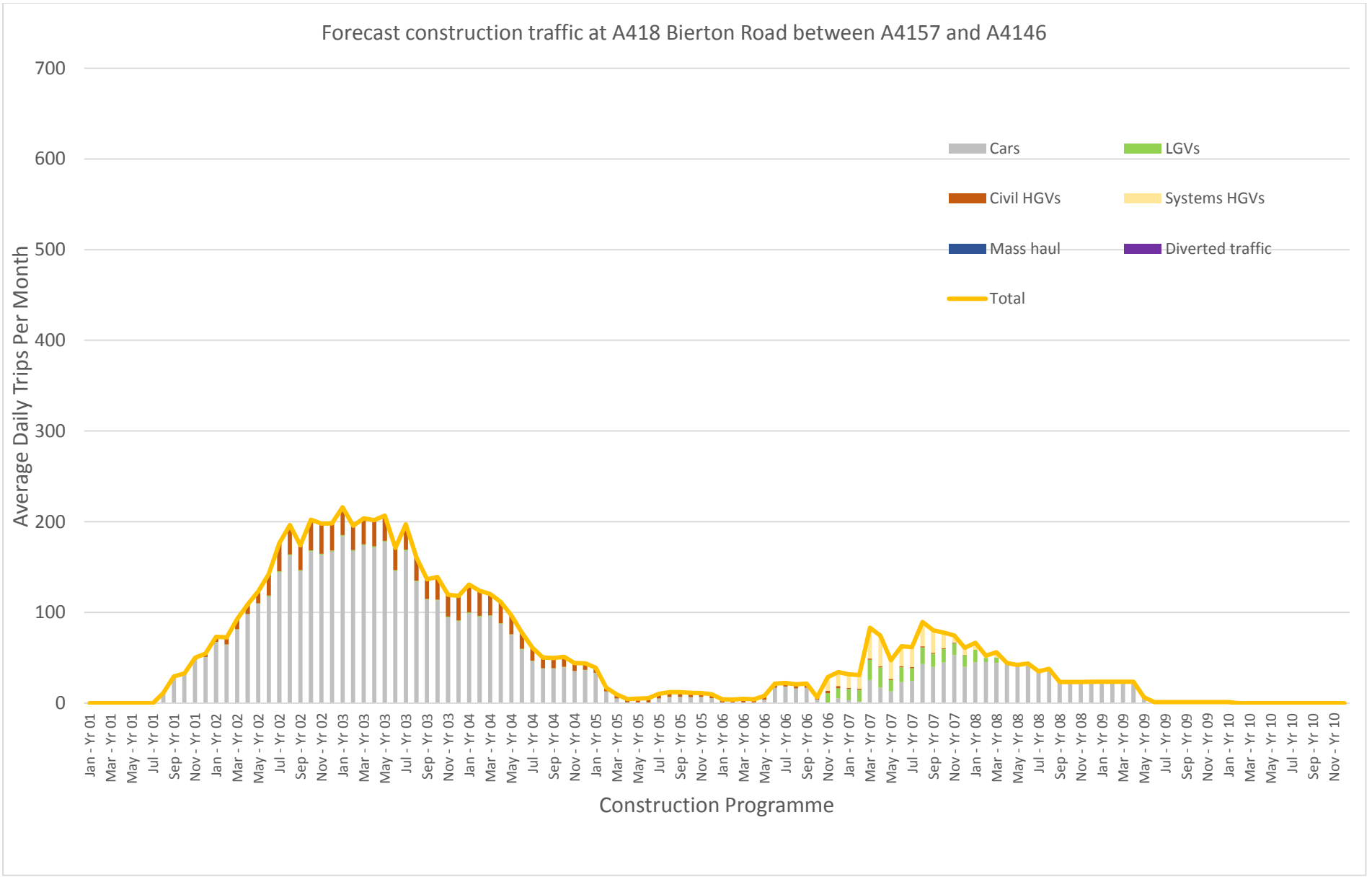
Creator/Originator
Atkins

Zone	Country South
Design Stage	DESIGN-FOR-PETITION
Drawing Title	Stoke Mandeville and Aylesbury CFA11 Daily Weekday Traffic Flows Construction Phase
Project/Contract	Country South Design
Discipline/Function	Construction and Logistics
Drawn	TD
Checked	
Approved	
Date	29/04/2016
Scale	AS SHOWN
Size	A3
Drawing No.	C222-ATK-CL-DPL-020-311606-PET000000
Rev.	P02


Forecast construction traffic at A418 Bierton Road between A4157 and A4146
Average Daily Trips Per Month
700
600
500
400
300
200
100
0
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
May - Yr 02
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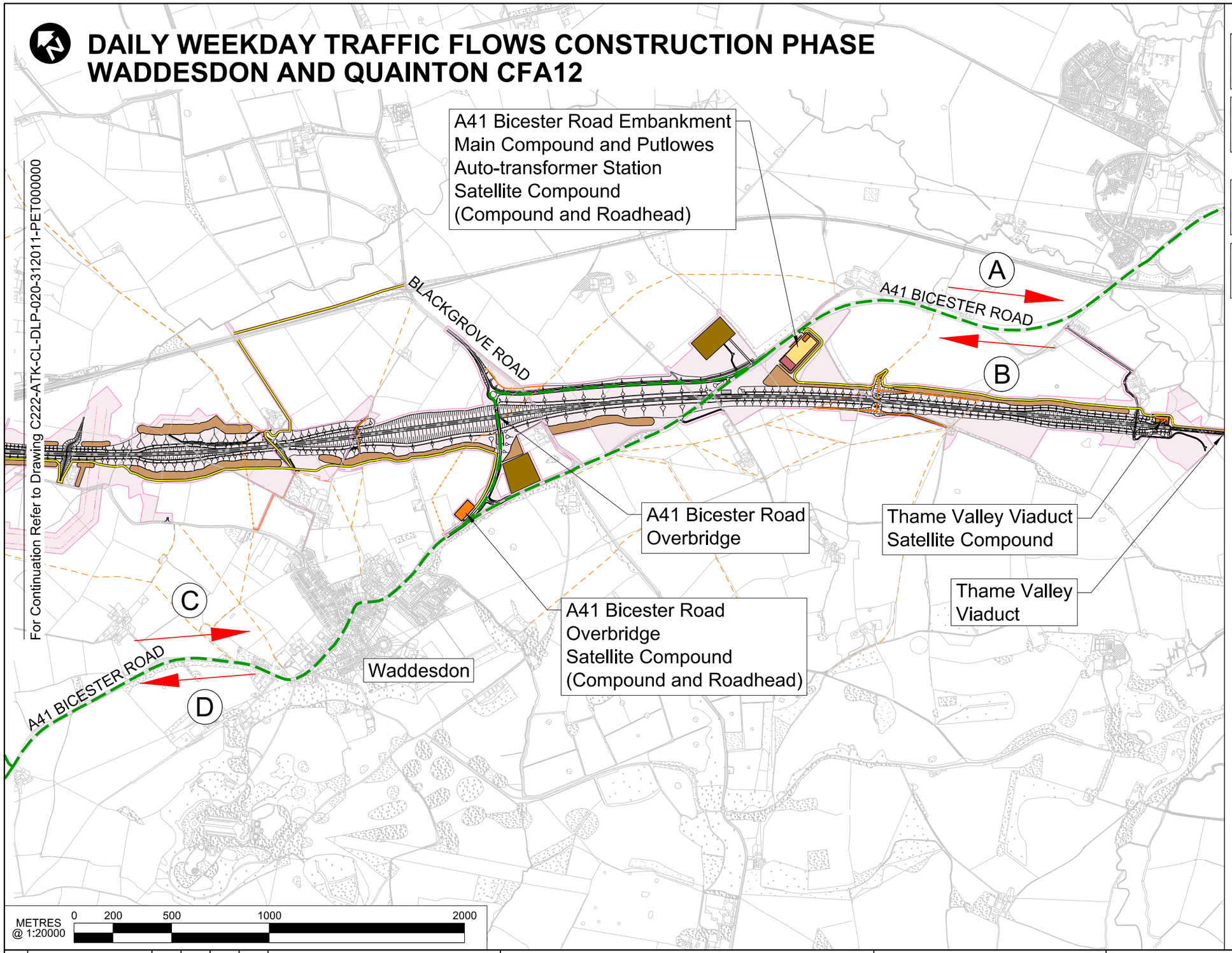
Sep - Yr 10
Nov - Yr 10
Construction Programme

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
WADDESDON AND QUAINTON CFA12



A41 (east of Blackgrove Road)

A	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7151	118	7269	2%
	HGVs	1101	20	1122	2%
B	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7241	118	7359	2%
	HGVs	1132	20	1152	2%

A41 (west of Blackgrove Road)

C	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8326	84	8410	1%
	HGVs	665	200	865	30%
D	Westbound	2021 12hr weekday	HS2	2021 12hr flow plus HS2	% increase
	Cars & LGVs	7315	84	7399	1%
	HGVs	600	200	800	33%

	Description	Drawn	Checked	Con App	HS2 App
P00.1		–			

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered in England
Registration No. 06791686
Registered office:
One Canada Square,
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Creator/Originator
Atkins

Zone: Country South

Design Stage: DESIGN-FOR-PETITION

Drawing Title: Waddesdon and Quainton CFA12

Daily Weekday Traffic Flows

Construction Phase (Sheet 1 of 2)

Project/Contract: Country South Design

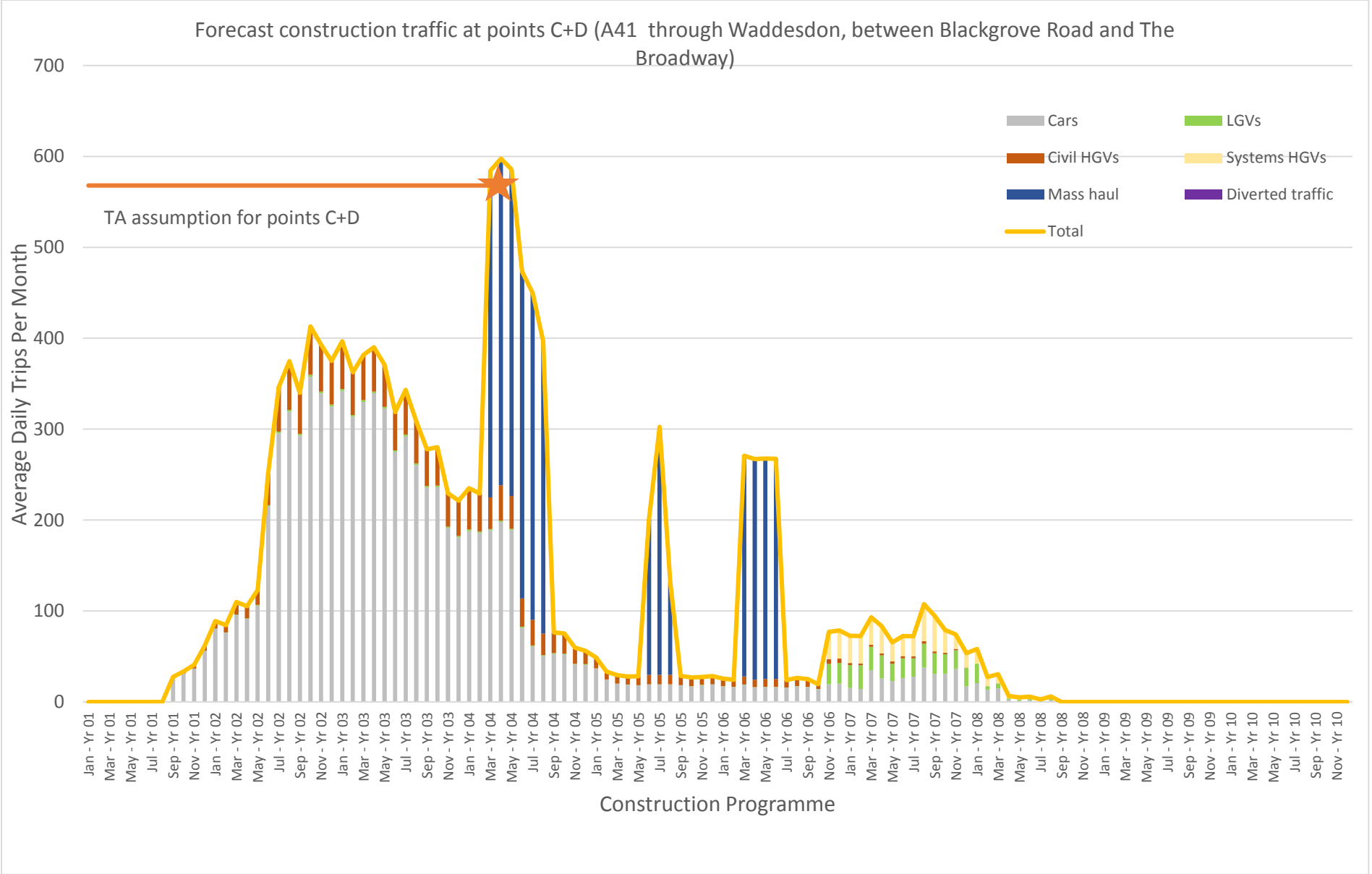
Discipline/Function: Construction and Logistics

Drawn	Checked	Approved
TD		

Date	Scale	Size
29/04/2016	AS SHOWN	A3

Drawing No.: C222-ATK-CL-DPL-020-311607-PET000000

Rev.: P02


Forecast construction traffic at points C+D (A41 through Waddesdon, between Blackgrove Road and The Broadway)
Average Daily Trips Per Month
Construction Programme
TA assumption for points C+D
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
0
100
200
300
400
500
600
700
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
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Jul - Yr 02
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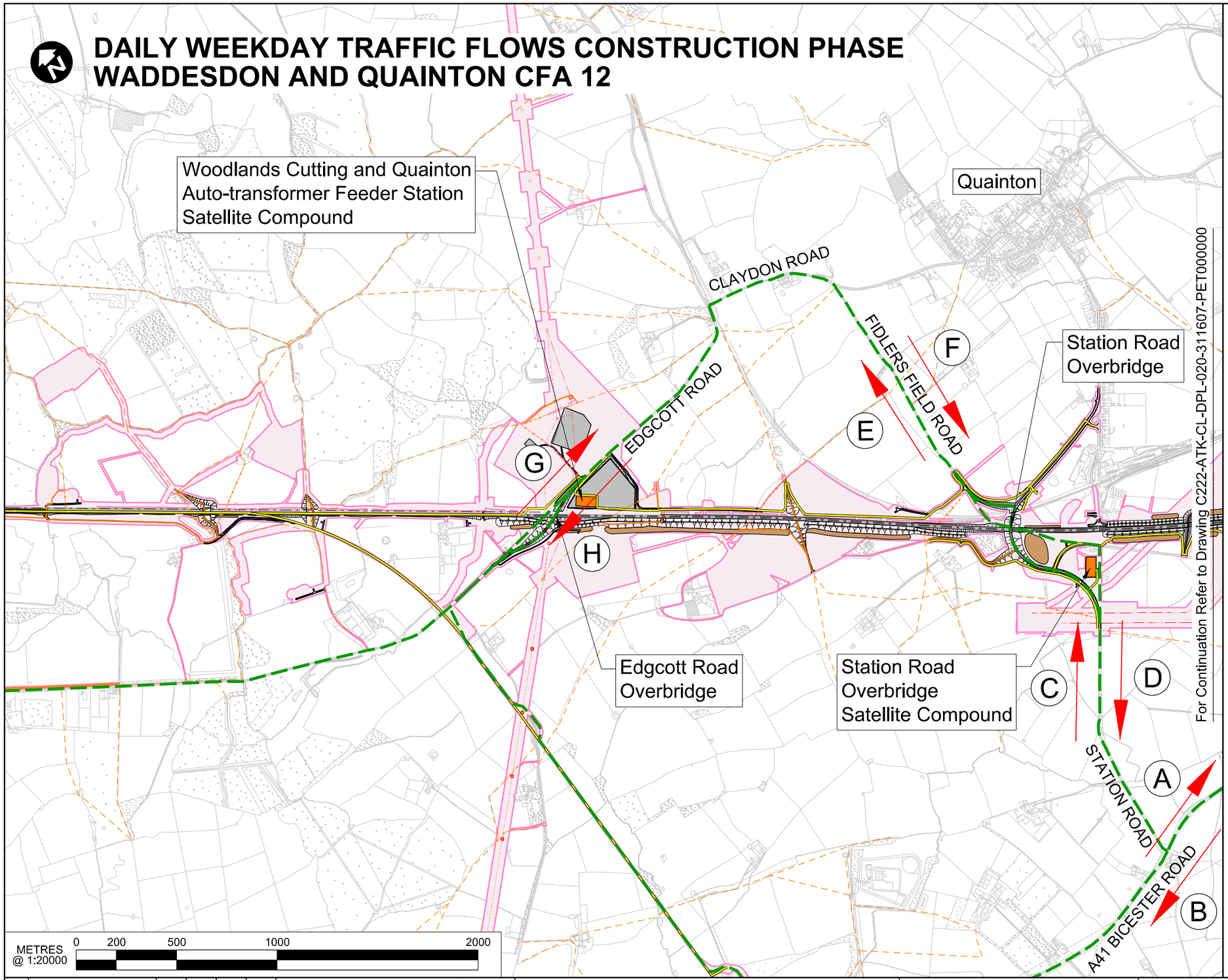
Nov - Yr 10

P3774 (2)

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
WADDESDON AND QUAINTON CFA 12



A41 (west of Blackgrove Road)

A	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	8326	84	8410	1%
	HGVs	665	200	865	30%

B	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	7315	84	7399	1%
	HGVs	600	200	800	33%

Station Road

C	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	593	43	636	7%
	HGVs	54	9	63	17%

D	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	559	43	602	8%
	HGVs	70	9	79	13%

Fidlers Field Road

E	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	324	48	372	15%
	HGVs	4	31	35	705%

F	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	368	48	416	13%
	HGVs	5	31	36	670%

Edgcott Road

G	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	341	70	411	21%
	HGVs	7	31	38	439%

H	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	294	70	364	24%
	HGVs	21	31	52	149%

P00.1		–			

Description	Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered In England
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Registered office:
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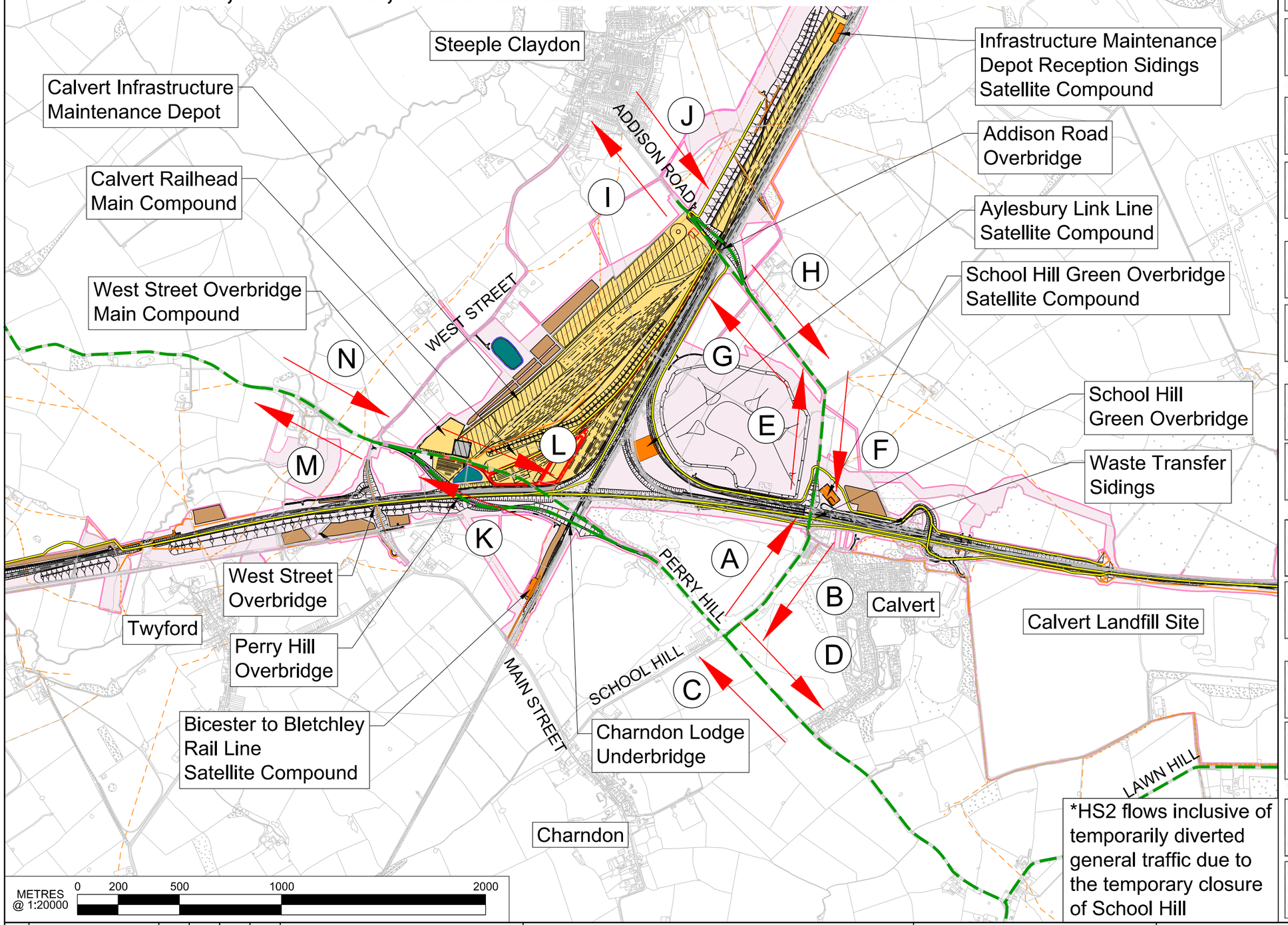
Creator/Originator

Zone	Country South
Design Stage	DESIGN-FOR-PETITION
Drawing Title	Waddesdon and Quainton CFA12 Daily Weekday Traffic Flows Construction Phase (Sheet 2 of 2)
Project/Contract	Country South Design
Discipline/Function	Construction and Logistics
Drawn	TD
Checked	
Approved	
Date	29/04/2016
Scale	AS SHOWN
Size	A3
Drawing No.	C222-ATK-CL-DPL-020-312011-PET000000
Rev.	P02

P3774 (3)

HOL/10024/0049

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
CALVERT, TWYFORD, STEEPLE CLAYDON AND CHETWODE CFA13



*HS2 flows inclusive of temporarily diverted general traffic due to the temporary closure of School Hill

School Hill (west of Brackley Lane)

A	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1121	399	1520	36%
	HGVs	18	22	41	123%
B	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1137	250	1387	22%
	HGVs	12	21	33	181%

Perry Hill (south of School Hill)

C	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1406	118	1524	8%
	HGVs	96	10	106	10%
D	Southbound	2021 12hr weekday	HS2	2021 12hr flow plus HS2	% increase
	Cars & LGVs	1294	118	1412	9%
	HGVs	108	10	118	9%

School Hill (east of Brackley Lane)

E	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1272	473	1745	37%
	HGVs	26	22	49	85%
F	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1091	324	1415	30%
	HGVs	66	21	87	32%

Addison Road (south of rail line)

G*	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	810	1175	1985	145%
	HGVs	5	85	90	1842%
H*	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	779	1356	2135	174%
	HGVs	5	45	50	979%

Addison Road (north of rail line)

I*	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	810	1128	1939	139%
	HGVs	5	66	71	1430%
J*	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	779	1309	2088	168%
	HGVs	5	26	31	568%

Perry Hill (north of School Hill)

K*	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	808	1489	2297	184%
	HGVs	18	36	54	203%
L*	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	734	1308	2042	178%
	HGVs	32	76	108	237%

Perry Hill (north of West Street)

M	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1208	45	1253	4%
	HGVs	61	39	100	64%
N	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	1031	45	1076	4%
	HGVs	104	39	143	37%

Rev	Description	Drawn	Checked	Con App	HS2 App
P00.1	–				

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered In England
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Creator/Originator: Atkins

Zone: Country South

Project/Contract: Country South Design

Design Stage: DESIGN-FOR-PETITION

Discipline/Function: Construction and Logistics

Drawing Title: Calvert, Twyford, Steeple Claydon and Chetwode CFA13 Daily Weekday Traffic Flows Construction Phase

Drawn	Checked	Approved
IE		

Date	Scale	Size
29/04/2016	AS SHOWN	A3

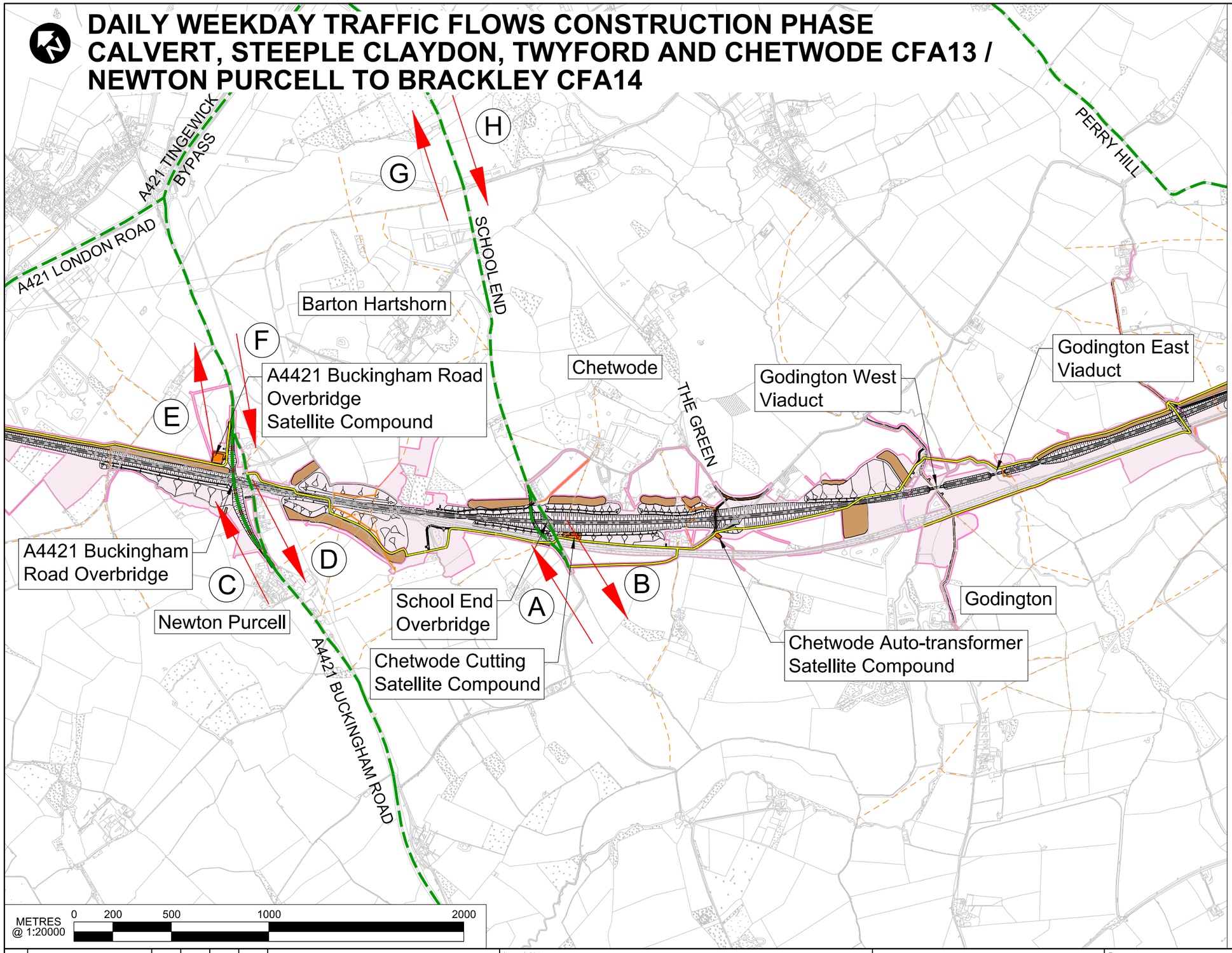
Drawing No.: C222-ATK-CL-DPL-020-312012-PET000000

Rev.: P02

P3775 (1)

HOL/10024/0050

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
CALVERT, STEEPLE CLAYDON, TWYFORD AND CHETWODE CFA13 / NEWTON PURCELL TO BRACKLEY CFA14



School End

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
A	Northbound				
	Cars & LGVs	88	53	141	60%
	HGVs	2	19	21	966%
B	Southbound				
	Cars & LGVs	78	53	131	68%
	HGVs	1	19	20	2345%

A4421 Buckingham Road (south of Barton Hartshorn)

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
C	Northbound				
	Cars & LGVs	5445	32	5476	1%
	HGVs	153	183	337	120%
D	Southbound				
	Cars & LGVs	5217	32	5248	1%
	HGVs	143	183	326	128%

A4421 Buckingham Road (north of Barton Hartshorn)

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
E	Northbound				
	Cars & LGVs	5207	32	5239	1%
	HGVs	395	33	427	8%
F	Southbound				
	Cars & LGVs	4881	32	4913	1%
	HGVs	334	33	367	10%

Barton Road (School End to A421)

		2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
G	Northbound				
	Cars & LGVs	201	53	255	26%
	HGVs	35	19	54	54%
H	Southbound				
	Cars & LGVs	171	53	225	31%
	HGVs	38	19	57	50%

P00,1		–				
	Description	Drawn	Checked	Con App	HS2 App	

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

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Creator/Originator
Atkins

Zone: Country South

Design Stage: DESIGN-FOR-PETITION

Drawing Title: Calvert, Steeple Claydon, Twyford and Chetwode CFA13 / Newton Purcell to Brackley CFA14

Daily Weekday Traffic Flows

Construction Phase

Project/Contract: Country South Design

Discipline/Function: Construction and Logistics

Drawn	Checked	Approved
IE		

Date	Scale	Size
29/04/2016	AS SHOWN	A3

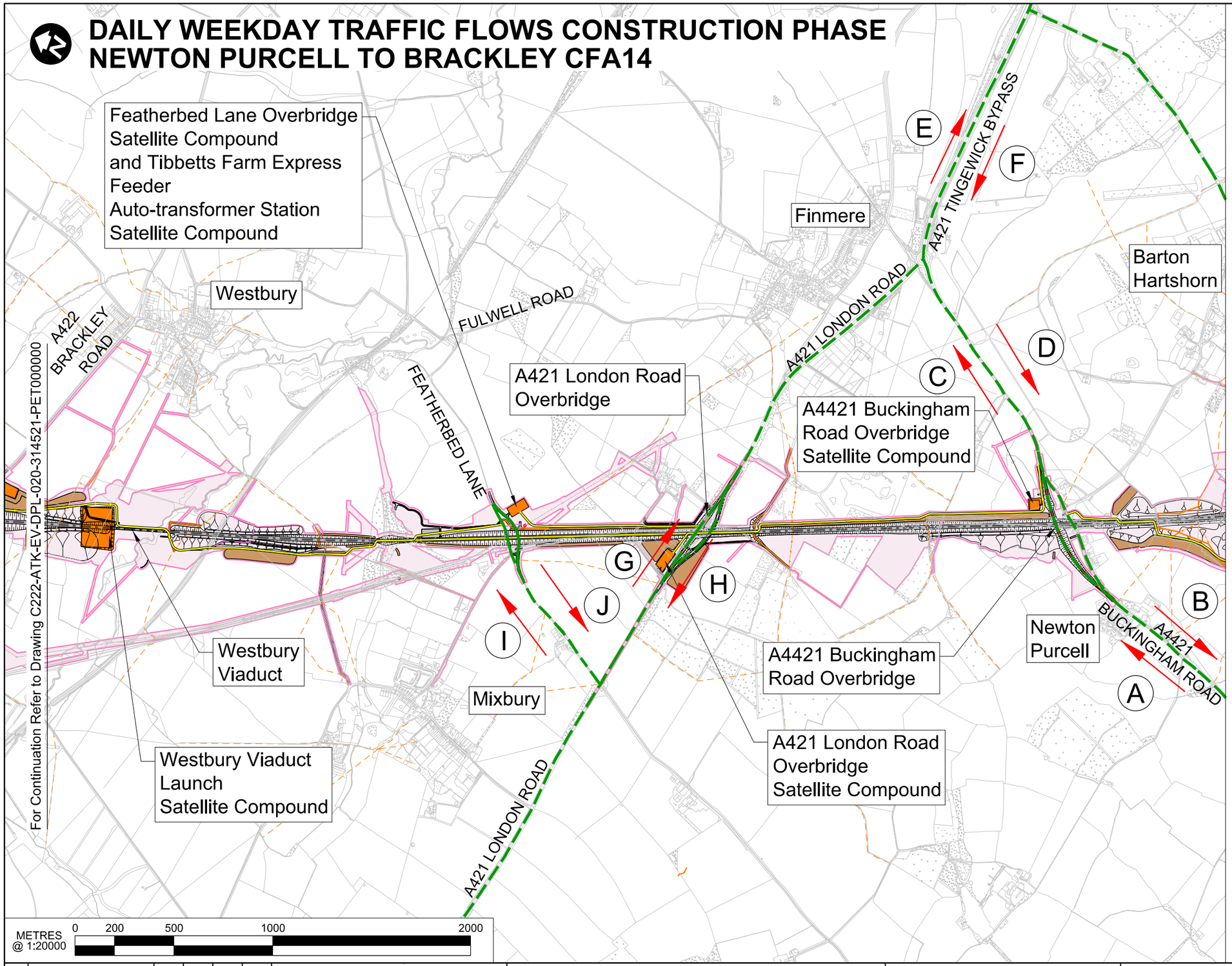
Drawing No.: C222-ATK-CL-DPL-020-313610-PET000000

Rev.: P02

P3775 (2)

HOL/10024/0051

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
NEWTON PURCELL TO BRACKLEY CFA14



A4421 Buckingham Road (south of Barton Hartshorn)

A	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	5445	32	5476	1%
	HGVs	153	183	337	120%
B	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	5217	32	5248	1%
	HGVs	143	183	326	128%

A4421 Buckingham Road (north of Barton Hartshorn)

C	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	5207	32	5239	1%
	HGVs	395	33	427	8%
D	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4881	32	4913	1%
	HGVs	334	33	367	10%

A421 Tingewick Bypass

E	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	9167	102	9268	1%
	HGVs	563	37	600	7%
F	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	9108	102	9210	1%
	HGVs	587	37	624	6%

A421 London Road Overbridge

G	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4157	102	4259	2%
	HGVs	266	9	275	3%
H	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	4374	102	4476	2%
	HGVs	272	9	281	3%

Featherbed Lane

I*	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	161	59	220	37%
	HGVs	1	9	10	806%
J*	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	142	59	202	42%
	HGVs	2	9	11	403%

*Temporary HGV movements should alternative access be unavailable.

P00.1		–			

Description	Drawn	Checked	Con App	HS2 App

Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

Registered In England
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Registered office:
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Creator/Originator
Atkins

Zone: Country South

Design Stage: DESIGN-FOR-PETITION

Drawing Title: Newton Purcell to Brackley CFA14 — Daily weekday traffic flows — Construction Phase - Sheet 1 of 2

Project/Contract: Country South Design

Discipline/Function: Construction and Logistics

Drawn	Checked	Approved
IE		

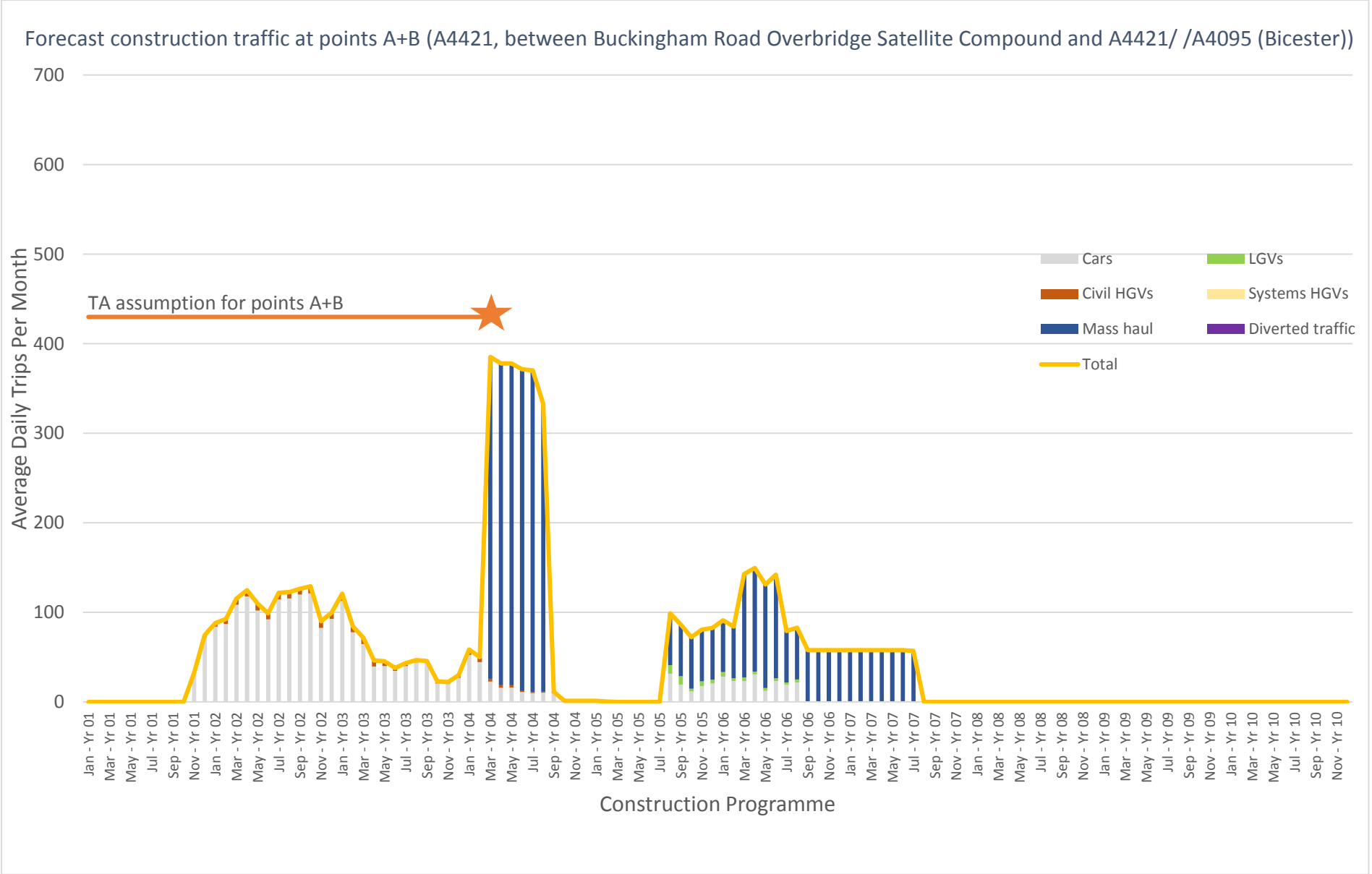
Date	Scale	Size
29/04/2016	AS SHOWN	A3

Drawing No.: C222-ATK-CL-DPL-020-314511-PET000000

Rev.: P02

P3775 (3)

HOL/10024/0052


Forecast construction traffic at points A+B (A4421, between Buckingham Road Overbridge Satellite Compound and A4421/ /A4095 (Bicester))
Average Daily Trips Per Month
700
600
500
400
300
200
100
0
TA assumption for points A+B
Cars
LGVs
Civil HGVs
Systems HGVs
Mass haul
Diverted traffic
Total
Jan - Yr 01
Mar - Yr 01
May - Yr 01
Jul - Yr 01
Sep - Yr 01
Nov - Yr 01
Jan - Yr 02
Mar - Yr 02
May - Yr 02
Jul - Yr 02
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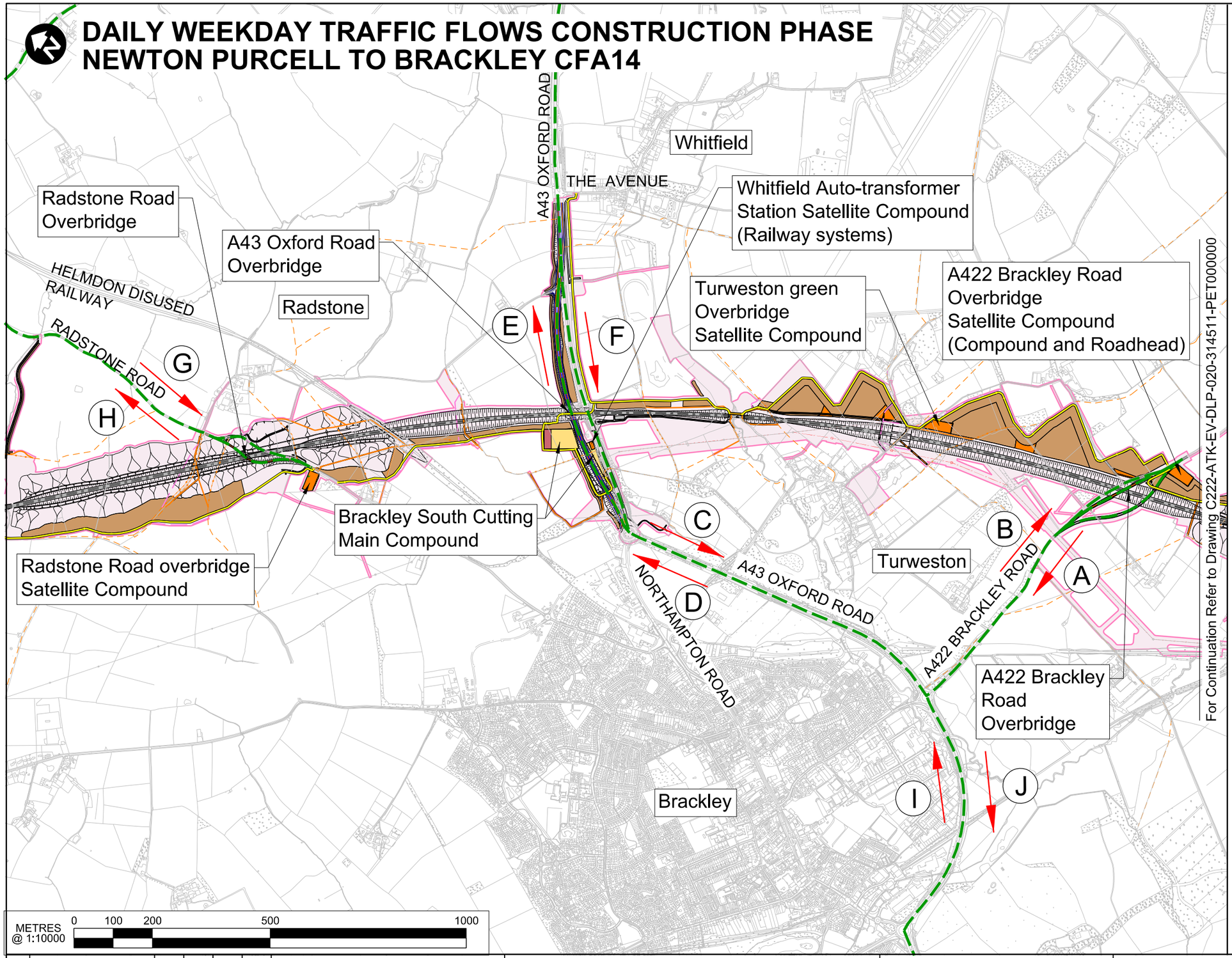
Nov - Yr 10
Construction Programme

P3775 (4)

DAILY WEEKDAY TRAFFIC FLOWS CONSTRUCTION PHASE
NEWTON PURCELL TO BRACKLEY CFA14



A422 Brackley Road

A	Westbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	3470	64	3534	2%
	HGVs	92	590	682	639%
B	Eastbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	3528	64	3592	2%
	HGVs	101	590	691	582%

A43 Oxford Road (south of Northampton Road)

C	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	13555	88	13644	1%
	HGVs	1777	24	1800	1%
D	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	12381	88	12469	1%
	HGVs	1806	24	1830	1%

A43 Oxford Road (north of Northampton Road)

E	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	15587	102	15689	1%
	HGVs	981	24	1005	2%
F	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	14984	102	15086	1%
	HGVs	1091	24	1115	2%

Radstone Road

G	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	722	67	789	9%
	HGVs	5	6	11	134%
H	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	657	67	724	10%
	HGVs	8	6	14	77%

A43 (between A422W and A422E)

I	Northbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	13566	101	13667	1%
	HGVs	2351	600	2951	26%
J	Southbound	2021 daily weekday	HS2	2021 daily flow plus HS2	% increase
	Cars & LGVs	13759	101	13860	1%
	HGVs	2216	600	2816	27%

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Legends/Notes:

- Satellite construction compound
- Main construction compound
- Tunnel portal
- Rail alignment formation
- Tunnels external extent
- Rail alignment
- Engineering earthworks
- Landscape earthworks
- Land potentially required during construction
- Temporary site access route / haul route
- Construction traffic route
- Temporary material stockpile

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Creator/Originator: Atkins

Zone	Country South
Project/Contract	Country South Design
Design Stage	DESIGN-FOR-PETITION
Discipline/Function	Construction and Logistics
Drawing Title	Newton Purcell to Brackley CFA14 Daily Weekday Traffic Flows Construction Phase - Sheet 2 of 2
Drawn	IE
Checked	
Approved	
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Size	A3
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Route-wide Traffic Management Plan

The CoCP will require the nominated undertaker to prepare a route-wide traffic management plan, in liaison with highway and traffic authorities and the emergency services, will include:

- the means of managing and monitoring lorry flows;
- the requirement for vehicle and driver safety;
- requirements for preparing workforce travel plans;
- the strategy for design and consultation for traffic management (including the signing strategy for emergency service access and lorry wayfinding); and
- the requirements for protecting highways.

A draft route-wide traffic management plan was consulted on with key stakeholders, including all highway authorities along the Phase One route, during 2015 and a final version has been prepared and published:

https://www.gov.uk/government/publications/hs2-phase-one-route-wide-traffic-management-plan

HS2 Information Paper E13: Management of Traffic during construction

Local Traffic Management Plan

The CoCP will require the nominated undertaker to also prepare local traffic management plans, in liaison with the relevant highway and traffic authorities and the emergency services. As appropriate, these will include:

- the contractors' construction traffic flow assumptions;
- the local routes to be used by large goods vehicles (approved where applicable), including lorry holding areas; and
- significant works affecting roads and public rights of way, including temporary and permanent closures and diversions.

HS2 Information Paper E13: Management of Traffic during construction

Vehicle flows and road safety management, monitoring and control

Construction vehicles and their impact on road safety will be managed, monitored and controlled by:

- a vehicle booking system;
- vehicle flow monitoring;
- vehicle identification;
- driver training in vulnerable road user awareness and rural road driving;
- requirements for vehicle safety equipment and blind spot minimisation;
- the implementation of fleet operator quality schemes; and
- the implementation of route and flow monitoring, including monitoring that
- the driver and vehicle safety requirements are being met.

HS2 Information Paper E30: Vehicle flow management and safety requirements during construction

Monitoring of Compliance

Monitoring of compliance will be led by a dedicated monitoring and compliance team employed by the Nominated Undertaker.

The administrators of the vehicle booking system will review contractor performance and compliance with driver and vehicle safety, as well as ensuring that contractors comply with approved lorry routes and relevant undertakings and assurances.

In addition, the compliance team will ensure that HS2's policies and procedures are being adhered to.

HS2 Information Paper E30: Vehicle flow management and safety requirements during construction