

AENC-ARC-ENV-REP-0189

Norwich to Tilbury

Volume 7: Other Documents

Document: 7.11 Transport Assessment - Appendix D -
Committed Developments - Tracked Changes Version

Final Issue B

July 2026

Planning Inspectorate Reference: EN020027

Infrastructure Planning (Applications: Prescribed Forms and Procedure)
Regulations 2009 Regulation 5(2)(q)

nationalgrid

Revision History

Version	Date	Submitted at
A	29 August 2025	DCO Application
<u>B</u>	<u>21 July 2026</u>	<u>Deadline 7 to include latest cross references and to reflect corrections highlighted in 8.1 Errata List [REP1-071]</u>

Contents

Appendix D	Committed Developments	D1
D.1	Introduction	D1
D.2	Overview of Committed Developments	D1
Table D.1	List of committed developments and transport schemes under consideration (Norfolk)	D1
Table D.3	List of committed developments and transport schemes under consideration (Suffolk)	D12
Table D.4	List of committed developments and transport schemes under consideration (Essex)	D24
Table D.5	List of committed developments and transport schemes under consideration (Thurrock)	D59
Table D.6	Sheringham and Dudgeon Extension projects	D73
Table D.7	Land West of The A140 Long Stratton, Norfolk	D73
Table D.8	Land North West of Stowupland Road, Stowmarket	D73
Table D.9	Ashes Farm Newton Road, Stowmarket	D73
Table D.10	Land North of The A1071 (Wolsey Grange)	D74
Table D.11	Land to the South of Thompson and Morgan Poplar Lane	D74
Table D.12	Land North West of Moores Lane East Bergholt Suffolk	D74
Table D.13	Bramford to Twinstead Reinforcement - Overhead Transmission Lines	D74
Table D.14	Five Estuaries offshore wind farm	D75
Table D.15	North Falls offshore wind farm	D75
Table D.16	Horizon 120 Business Park Off A131 London Road Great Notley Essex	D75
Table D.17	Land Opposite Sandiacres Long Green Crossing Essex	D75
Table D.18	Land North of Colchester Road Coggeshall Essex	D75
Table D.19	Strategic Growth Site North of Woodhouse Lane, Broomfield, Chelmsford, Essex	D76
Table D.20	Strategic Growth Site, 7A Moulsham, Hall Lane, Great L Fights, Chelmsford, Essex	D76
Table D.21	Land adjoining Ipswich Road and Wick Lane Ardleigh Essex CO7 7QL	D76
Table D.22	Systematic Business Park Old Ipswich Road Ardleigh Essex CO7 7QL	D76
Table D.23	Crown Business Centre Old Ipswich Road Ardleigh Colchester Essex CO7 7QR	D76
Table D.24	Crown Quarry Old Ipswich Road Ardleigh Essex CO7 7QR	D77
Table D.25	Lower Thames Crossing	D77
Table D.26	Land Adjacent and to the Rear of The George and Dragon	D77
Table D.27	Ingrebourne Valley Ltd Orsett Quarry	D78
Table D.28	Land for Development Muckingford Road	D78
Table D.29	Recycled in Orsett Ltd Stanford Road Orsett Essex RM16 3BB	D78
Table D.30	Land Adjacent Blackshots Stadium and Stanford Road Grays	D78
Table D.31	DP World London Gateway Logistics Park London Gateway Drive	D79
Table D.32	Summary of all committed development peak hour flows (all Local Planning Authorities)	D79
Table D.33	List of SRN junction assessed and the associated committed development(s) considered	D83
Abbreviations		D87
Glossary		D88
Bibliography		D90

Appendix D

Committed Developments

D.1 Introduction

D.1.1 This document has been produced as an appendix to the Transport Assessment (TA) (document reference 7.11) [\(Revision B\)](#) for Norwich to Tilbury (the 'Project'), submitted as part of the Development Consent Order (DCO) application.

D.2 Overview of Committed Developments

D.2.1 Table D.1 to Table D.4 presents the list of committed developments and transport schemes that are considered in the assessment of traffic on the road links forming the Primary Access Routes (PARs). Note this list is specific for traffic and transport and therefore differs to the cumulative long list of other developments, within Environmental Statement Chapter 17: Cumulative Effects (document reference 6.17) [\(Revision B\)](#). In addition, the status of some developments may also differ as a result of lead in times to undertake assessment work.

Table D.1 List of committed developments and transport schemes under consideration (Norfolk)

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
FUL/2023/0027	Quarry, Ipswich Road, Dunston, NR14 8DD	Continued use of land for recycling and highways depot without compliance with condition 2 (timescales) of permission reference FUL/2020/0078 to enable continuation of use until 30 June 2033 and restoration by 31 December 2033.	Valid/ Pending	EXCLUDE: As this would be a continuation of current traffic conditions until after our assessment period.

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
FUL/2023/0039	Quarry Ipswich Road Dunston Norfolk	Non-compliance with conditions 2 and 29 of permission reference C/7/2016/7013 to extend deadline for restoration of the site until 31 December 2028	Valid/ Pending	EXCLUDE: As this would be a continuation of current traffic conditions until 2028.
2021/2495	Land North and South of Brick Kiln Lane Swainsthorpe Norfolk	Installation of a solar farm comprising: ground mounted solar panels, access tracks; inverter/transformers, substation; storage, spare parts and welfare cabins, underground cables and conduits, perimeter fence; CCTV equipment, temporary new site entrance and access track, temporary construction compounds, and associated infrastructure and planting scheme. Application is accompanied by an environmental statement	Approved	EXCLUDE: Approved Aug 2022 - based on this construction should commence by summer 2025. The solar farm would take 6 months to construct so should be fully constructed prior to peak Project construction activity. Operational traffic minimal - once a month, 3-4 personnel.
2021/2645	Land North of Stoke Lane Dunston Norfolk	The installation and operation of a Battery Energy Storage System to provide standby emergency electricity for National Grid in times of high electricity demand or when renewable energy projects are unable to fulfil demand. This would be for the installation of 130 megawatts (MW) of modular battery units with ancillary equipment, including power conversion units, 132 kV transformer compound, metering cabinet, switchroom, DNO control room and welfare container	Approved	EXCLUDE: Approval with Conditions Sept 2022 - based on this construction should commence by Sept 2025 and the estimated construction time is 9 months therefore it should be fully constructed prior to Project peak construction activity. Minimal operational traffic anticipated.

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
2021/2579	Land to East of Norwich Road Bracon Ash Norfolk	The application seeks full planning approval for a residential development of 23 dwellings, comprising open market and affordable housing, together with associated highway access, public open space and landscaping on land to the East of Norwich Road, Bracon Ash	Pending Consideration	EXCLUDE: Planning application was submitted in Nov 2021.Consultation in Spring/Summer 2024 was undertaken. No information regarding the construction traffic or commencement year/duration of programme if approved. Based on size of development, construction and operational traffic would be minimal, thus not significant.
2021/2782	Land East of Shelfanger Road and West of Heywood Road Diss Norfolk	The erection of up to 179 dwellings, 0.64 ha of land for the future extension of Diss Cemetery, a new road linking Shelfanger Road and Heywood Road/Burston Road, public open space and associated infrastructure and landscaping	Approved	EXCLUDE: Approved in Jan 2024. Based on the assessment being 2026 future baseline plus development, it can be assumed that the development would be constructed prior to Project peak. Operational traffic flows would coincide with the Project peak construction activity; however, this should be captured within the TEMPro growth factor
2017/1888	Land North of Frenze Hall Lane Diss Norfolk	Discharge of Condition 20 (Off-site highway improvements) of 2016/1566 - A residential development comprising 136no. dwelling houses with associated accesses, car parking, refuse and recycling provision and landscaping	Approved	EXCLUDE: Approved in Feb 2018 - based on google imagery the development has been constructed and operational - baseline traffic surveys would have included the associated operational traffic.
2017/2162	Land South of Stoke Holy Cross Primary School Five Acres	Discharge of Conditions 5, 6, 7, 8, 9, 10, 12, 13, 14 and 15 of 2016/2153 - (i) Construction of 53 dwellings (including 17 affordable units), access road,	Approved	EXCLUDE: Approved in Sep 2018 - based on google imagery the development has been constructed and operational - baseline traffic surveys would have

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
	Stoke Holy Cross Norfolk	parking, garaging, footpaths and cycle paths walling and fencing, landscaping, public open space and associated infrastructure (ii) change of use of former agricultural land to provide extended primary school grounds and construction of 1.8 m high perimeter fence, pedestrian access, and associated hard and soft landscaping		included operational traffic (10 visits a year for maintenance).
2022/0867	Land East of Main Road Swardeston Norfolk	Construction and operation of Energy Balancing Infrastructure (EBI) comprising energy storage technology, to form up to two areas of modular or containerised structures. To include containerised or modular battery array, transformers and inverter area, switchgear and control room building(s), connection of EBI plant to the Hornsea Three Onshore Converter Station (ONCS), required access and internal roads, drainage systems, perimeter and internal fences, and required external lighting and lightning pylons. Development is located within the Hornsea Three ONCS area as consented by the Hornsea Project Three Offshore Wind Farm Development Consent Order (DCO) in December 2020. The application is accompanied by an environmental statement	Approved	EXCLUDE: Approved Jan 2023 - it is expected that construction for the EBI would likely finish by 2026 prior to the Project peak construction activity. Operational traffic would not be significant and maintenance only.

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
2023/0617	Land North of Hickling Lane Swainsthorpe Norfolk	Construction and operation of a battery storage facility, underground cabling, fencing, drainage infrastructure, landscape planting and site access road on land to the north of Hickling Lane and up towards the Norwich National Grid Substation	Approved	EXCLUDE: Approved Sept 2023 - construction has not yet commenced based on google imagery. Based on approval year construction should commence in Sept 2026. This would take 14 months to construct ending 2027 with peak activity within first few months during site set up (6-8 Heavy Goods Vehicles (HGV) and 8 Light Goods Vehicles (LGV) movements an hour). Therefore, it can be assumed construction activity would not coincide with the Project construction peak. Operational traffic will not be significant with maintenance visits only.
2023/3858	Land at Norwich Main Substation Mangreen Hall Lane Dunston Norfolk NR14 8PH	Underground point of connection cables (for battery storage development) located beneath non-operational land within the Norwich National Grid Main Substation.	Approval with condition	EXCLUDE: Approved Dec 2024 - connects to the planning application 2023/0617 and refers to relocated cable route.
TR010037	A47- A11 Thickthorn Junction. Approx 5.5 km southwest of Norwich City Centre	Improvement of interchange between A47 and A11, improving access to Norwich.	Granted	EXCLUDE: Granted in Oct 2022 with change notice in July 2023. Scheme does not appear under construction. Does not fall on PARs. Consideration of works to be noted should they coincide with Project peak construction activity.
EN0110014	Located south of Norwich and north of Harleston. The solar sites are	The project comprises the construction, operation, maintenance and decommissioning of a solar photovoltaic (PV) electricity generating	Pre-application	EXCLUDE: In the scoping opinion, it has been stated that that construction would last 24 months, but programme would be developed for the Environmental

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
	concentrated east of Long Stratton, with an additional cluster located south of Great Moulton.	station and associated development, including a Battery Energy Storage System (BESS), ancillary infrastructure, customer substations and Grid Connection Infrastructure (including a new National Grid Substation). The project will have a generating capacity of 500 MW		Statement (ES). They do not appear to have included the commencement year, only stating it would be after the Long Stratton Bypass (2025). Indicative trip generations have been provided however, they have not yet been distributed onto individual links.
2018/0112	Land West of The A140 Long Stratton Norfolk	Land West of the A140: Hybrid Application on 40.8 hectares of land to the west of the A140 seeking outline planning permission for 387 no. dwellings and 1.5 hectares of Class B1 employment land, associated infrastructure and public open space. Together with application for full planning permission for a western relief road (including a roundabout access at the north to the A140 and a priority junction access to Swan Lane at the south) and with phase 1 housing consisting of 213 no. dwellings, associated infrastructure and public open space.	Granted	INCLUDE: Development is expected to be built and fully operational in 2026. Therefore, as flows would not have been captured in the baseline or in TEMPro, they would need to be added.
2024/0558	Land East of Norwich Road Scole Norfolk	1. Full planning application for 106no. residential dwellings (including affordable homes), garages, parking, vehicular access onto Norwich Road, open spaces, landscaping, drainage and other associated infrastructure. 2.	Pending Decision	EXCLUDE: Minimal flows expected at the A140 Ipswich. Impact would not be significant, therefore, has not been included.

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
		Outline planning application for a phased development of 6no. self-build plots.		
EN010109	Sheringham and Dudgeon Extension Projects. SEP is to the north and east of Sheringham Shoal OFW. DEP is north and southeast of Dudgeon OFW	Sheringham Extension Project (SEP) has maximum installed capacity of 317 MW. Dudgeon Extension Project (DEP) has maximum installed capacity of 402 MW. Joint export cable system, offshore and onshore, connecting to national grid transmission network at Norwich Main Substation	Decision	INCLUDE: Start of construction planned for 2025 with either a 3yr (single phase) or 8yr (two phase) programme. Potential for construction overlap with Project peak construction activity. Average day flows to be used.
3PL/2011/0805/O	Croxton Road, Croxton, Norfolk,	Comprehensive mixed use urban extension (up to 5000 dwellings, 22.5 ha of employment land, local centres, 3 primary schools, green infrastructure, playing fields, other amenity areas & means of access)	Granted with conditions	EXCLUDE: A review of the annual monitoring report for Norfolk has been undertaken to determine whether this development has been accounted for in the Local Plan and TEMPro. This review concluded that the development has been captured within the Local Plan and TEMPro. Therefore, the anticipated flows have already been captured in the baseline.
2021/2083	Land West of East Carleton Road Bracon Ash Norfolk - Mr David Bryson	Screening Opinion for solar farm - installation and operation of 27 MWp ground-mounted solar photovoltaic panels and associated infrastructure over an area of approximately 30 ha.	Approved	EXCLUDE: Planning application is for a scoping opinion - approved in September 2021. The construction phase of the Proposed Development is anticipated to last 20 weeks. During this time, vehicle movements are expected to comprise 10 car and 7 LGV trips, arriving in the morning and leaving in the evening. With regards to

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
				HGV movements, there is expected to be 4 tipper or small articulated vehicles per day – 8 two-way vehicle trips. No programme provided; however, construction and operational traffic will not be significant.
2023/1095	Land North Of Hickling Lane Swainsthorpe Norfolk – Novus Renewable Services Ltd	Request for Screening Opinion under the Town and Country Planning (EIA) Regulations 2017 in relation to proposed development of an Energy Storage System (ESS) and associated electrical infrastructure.	Decided - EIA Not Required	EXCLUDE: Planning application does not contain details regarding construction traffic numbers or a programme. Additionally, National Highways response to this planning application states 'Should a formal planning application be submitted, a full Transport statement will be required, principally for the construction traffic'.
2023/0655	Land Rear Of For Farmers Industrial Estate Mill Road Burston Norfolk – Cameron Brook	Installation of solar PV systems	Approved	EXCLUDE: Approved April 2024 - The deliveries outlined in the Transport Statement of this planning application highlights that the traffic generated during the construction period will not have a discernible impact on the safe operation of the local highway network. It states that construction traffic will be spread across the construction programme and are unlikely to conceded two HGV movements a day. It is anticipated that staff vehicle movements will be in the region of 14 two-way movements a day, which will primarily occur outside of the normal highway peak hours.

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
2023/3075	Norwich Main Substation Mangreen Hall Lane Dunston Norfolk NR14 8PG – National Grid	Screening Opinion for a new national grid electricity transmission substation.	Decided - EIA Required	EXCLUDE: Planning application is a scoping opinion - decision that an EIA will be required. Note this links to planning application 2023/3858. Peak construction year assessed does not coincide with the Project peak construction year.
2023/1055	Land off Marsh Lane Bracon Ash Norfolk – Ralos Projects Ltd	Ground mounted solar panel array and ancillary equipment.	Pending	EXCLUDE: Submitted April 2023, with decision pending. In the CTMP, the construction will take approximately 4-5 months. For the initial week of construction, 2-3 No. HGV movements per day would be expected while the main bulk of materials are delivered to site. For the remainder of construction, 1No. HGV movement is anticipated per day. Once the solar array is operational it can be managed remotely, as explained in the Transport Statement, and would only require infrequent maintenance visits by an operative in a van which we estimate to be approximately 4 days per annum. Therefore, the traffic generated during the construction period will not have a discernible impact on the safe operation of the local highway network.
2024/1336	Land at Norwich Main Substation Mangreen Hall Lane Dunston Norfolk NR14 8PH -	Extension of the existing Norwich Main 400 kV Substation to the west and includes associated temporary access roads. Works include: Extension of the existing substation platform to the west	Approved	EXCLUDE: Approved September 2024. Peak construction year assessed does not coincide with the Project peak construction year.

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
	National Grid Electricity Transmission	by approximately 250 m x 188 m. Extension of main and reserve busbar to accommodate addition of customer bays. New bus sections. Bus couplers and circuit breakers. Infrastructure works for customer connections. Extension of substation perimeter to accommodate the new infrastructure and the delivery of a minimum of 10% biodiversity net gain, linked with the proposed Landscape Mitigation Strategy.		
2021/0569	Land East Of Cranes Road Hethel Norfolk.	Proposed Development for installation and operation of ground-mounted solar farm and energy storage system. together with inverter platforms; control room; DNO station; storage containers; battery storage; security fencing & CCTV; temporary construction compound; and enhanced landscaping & ecological management.	Approved	EXCLUDE: Granted Dec 2021 – Minimal traffic flows associated with the development for a duration of 20 weeks. Traffic flows associated with this planning application does not affect the PARs associated with the Project. Insufficient information in terms of the traffic distribution along the road network beyond the B1113.
2025/0806	Land West Of Wymondham Road Bracon Ash Norfolk	The installation of a Battery Energy Storage System (BESS) including associated infrastructure and landscaping	Pending	EXCLUDE: Pending consideration – construction and operational flows generated by this development, are anticipated to be low.
2024/3750	Hall Farm Land North Of Hickling Lane Swainsthorpe Norfolk NR14 8DS.	The development of a 400 MW Energy Storage System, including a 132-400 kV substation and associated infrastructure.	Pending	EXCLUDE: Pending consideration – HGV construction and operational flows generated by this development, are anticipated to be low. In terms of the traffic

Application Reference	Location/ Local Planning Authority (LPA) area	Description	Status	Summary of Highways Consideration
				flows associated with the construction workers, the location of where construction workers will travel from is unknown at this stage as it will depend on the appointed Main Works Contractor(s).
2023/2037	Land West Of Hethel Engineering Centre Chapman Way Hethel Norfolk	Hybrid Application: 1) Outline planning application (including access and scale) for the development of modern facilities to support Lotus' production requirements. Proposals include new manufacturing (B2), production (B2), logistics (B8) and office (E(g)) buildings. (Note: Logistics B8 is purely for Lotus requirements only). 2) Full application for new road infrastructure to facilitate masterplan and improve access by mitigating width restrictions to Potash Lane.	Approved	EXCLUDE: Approved with condition in October 2024. Access would be via would be accessed via our PAR B1135 Wymondham Road and anticipated to be operational in 2026. However, this should be captured within the TEMPro growth factor

Table D.22 List of committed developments and transport schemes under consideration (Suffolk)

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
EN010077	East Anglia One North Offshore Wind farm	Offshore windfarm in the southern North Sea approximately 37.7 km from the Suffolk coast at its nearest point to Lowestoft	Approved	EXCLUDE: Planning consent awarded in 2022. There is not expected overlap of construction traffic with the PARs of the Project
EN010078	East Anglia Two Offshore Wind farm	Offshore windfarm in the southern North Sea approximately 32.6 km from the Suffolk coast at its nearest point off Southwold and 37.5 km to Lowestoft. The project is anticipated to have an operational capacity of up to 960 MW which is enough to power the equivalent of around 950,000 homes.	Approved	EXCLUDE: Planning consent awarded in 2022. There is not expected overlap of construction traffic with the PARs of the Project
EN010056	East Anglia Three (Tye Lane Bramford Suffolk) – closest point	Offshore windfarm approximately 69 km from the Suffolk coast and an onshore cable route to transport energy to a convertor station in Bramford	Approved	EXCLUDE: Planning consent awarded in 2017 and construction commenced in 2022. This proposed development will be operational before 2027. No significant traffic impacts are anticipated during the operational phases of this development
SCC/0105/22B	Brockley Wood Land off A12, Belstead, Suffolk, IP8 3JS	Extraction, processing and sale of sand and gravel, processing of inert waste materials and concrete batching with associated plant and related sales, associated access works, phased restoration using inert recovered materials and aftercare plan	Pending	INCLUDE: Application submitted in Sept 2022 - Based on the TA, the development should be operational in 2026 - therefore, operational traffic would coincide with Project peak construction activity.
DC/21/03287	Land North West of Stowupland Road	Full Planning Application - Residential Development of 258 no. dwellings (91 no. affordable) with new public open	Approved	INCLUDE: Approved April 2023 - Based on the assumption that the development would be constructed and operational by

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Stowmarket Suffolk IP14 5AN	space, landscaping, access and associated infrastructure		2027, operational traffic would coincide with the Project peak construction activity.
DC/20/01036	Ashes Farm Newton Road Stowmarket Suffolk IP14 5AD	Application for Outline Planning Permission (Access to be considered) - Erection of up to 300 No dwellings, new vehicular access, landscaping, open space and drainage infrastructure	Approved	INCLUDE: Approved Sep 2023 - 2024 future year has been used, however, google maps satellite imagery suggests construction is yet to commence. It can be assumed that by the time the Project peak construction activity occurs, this development would be constructed and operational.
DC/22/00683	Land South of Tye Lane Bramford (Part in the Parishes of Flowton and Burstall)	Full Planning Application - Installation of a solar array, battery energy storage system and associated infrastructure and construction of vehicular accesses and roadways	Withdrawn	EXCLUDE: Application was withdrawn in May 2024
DC/21/06605	Land to the Rear of Ceva Logistics Norwich Road Mendlesham (In the Parish of Wetheringsett Cum Brockford) IP14 5NA	Planning Application - Erection of three warehouse units and external storage area (use class B8), new access from Norwich Road, parking, associated drainage and landscaping.	Approved	EXCLUDE: Approved Sep 2022 with construction activity expected to finish in 2023. However, based on google imagery and OS mapping the development does not appear to have been built yet. Uncertainty and associated flows are minimal therefore not included in the Project.
DC/17/05687	Former Sugar Beet Factory Sproughton Road Sproughton Ipswich IP1 5AL	Outline Planning Application - Development of an Enterprise Park comprising up to 90,000 sqm GIA of employment floorspace (B1/B2/B8), 9,000 sqm GIA of motor vehicle sales (sui generis), a local centre	Approved	EXCLUDE: Approved Dec 2018 - assessment has been undertaken for 2031 to align with the horizon year for the Local Plan Assessment. Based on google view large sections of the development have been constructed and are operational.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		(accommodating with up to 1,250 sqm NIA of retail floorspace including local retail and services (A1 and A2) restaurants, pubs and takeaways (A3, A4, A5) together with an 80-bed hotel (C1); new and improved access from Sroughton Road; together with the provision of landscaping, infrastructure (including movement (highways, parking, cycle and pedestrian routes), utilities (including gas, electricity, water, sewerage, telecommunications) and sustainable drainage systems), and engineering works (including demolition of existing structures and buildings, breaking-up and recycling of hardstanding and ground remodelling and enabling works)		Therefore, these flows would be accounted for in the baseline traffic flows. Additionally, as the development is included in the local plan, it has been assumed that these would be accounted for by the TEMPro growth factor.
DC/21/02671	Land North of The A1071, Ipswich (Wolsey Grange)	Outline planning permission (some matters reserved, access to be considered) Town and Country Planning Act 1990 - Erection of up to 750 No. dwellings, and up to 3 ha of primary education land, public open space, Sustainable Drainage Systems (SuDS), landscaping and highway improvements (accompanied by EIA Statement)	Approved	INCLUDE: Approved Sep 2023 - Rate of construction 75 units per year starting in 2026 (construction phase period is 10 years). Construction and operational traffic would need to be included in the cumulative assessment.
DC/21/05110	Land To the South of Thompson and Morgan Poplar	Hybrid Application. Outline Planning Application for Interchange 55 comprising predominantly industrial (B2	Approved	INCLUDE: Approved in Dec 2022 - Assessment was undertaken for 2025, therefore it can be assumed that the site

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Lane Sroughton Suffolk	use) and warehousing (B8 use) and prospective offices, research and light industry (E(g) (I, ii, iii) uses) buildings. Full Planning Application for access to the development and associated landscaping		should be constructed, and that operational traffic would coincide with the Project peak construction activity.
DC/21/00060	Land To the East of The Channel, Burstall Hill	Full Planning Application - Installation of renewable led energy generating station comprising ground-mounted photovoltaic solar arrays and battery-based electricity storage containers together with substation, inverter/transformer stations, site accesses, internal access tracks, security measures, access gates, other ancillary infrastructure, landscaping and biodiversity enhancements including Nature Areas	Approved	EXCLUDE: Approved Feb 2023 - based on this it is assumed that construction would commence in Feb 2026, and completed in 40 weeks, which would be prior to the Project peak construction activity. Operational traffic is not significant with 3-5 deliveries a day.
DC/20/05590	Holton Hall Farm Hadleigh Road Holton St Mary Suffolk CO7 6NN	Planning Application. Erection of a 28 No. bedroom community care, rehabilitation and respite centre following removal of existing caravan park buildings and relocation of 4no static homes.	Pending	EXCLUDE: Application was submitted in Dec 2020 - Construction commencement year is uncertain, but duration would take 2-3 months. Operational traffic would be minimal with an average of one vehicular movement every 10-15 minutes during the AM and PM peak hours.
DC/21/06346	Land Northwest of Moores Lane East Bergholt Suffolk	Application for a Lawful Development Certificate for a Proposed Use or Development. Town and Country Planning Act 1990: Section 192, as amended by Section 10 of the Planning and Compensation Act 1991. Town	Decided – was lawful	INCLUDE: Decided Feb 2022 - Based on google imagery the site is currently under construction. Assessment for the development traffic has been undertaken for 2025; therefore, it can be assumed that the site would be fully operational and

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		and Country Planning (General Management Procedure) (England) Order 2015 - Confirmation sought that following the implementation of planning application B/15/00673 (Erection of 144 dwellings including 360 sqm of single storey courtyard development to contain 4 B1 (business) units, public open space, associated landscaping and infrastructure) through the laying out and construction of a part of a road and the discharge of relevant pre-commencement conditions and planning obligations for Phase 0 continuation and completion of development of Phase 0 in accordance with the approved plans will be lawful. As such, these commencement works mean that the planning permission is now extant and will not lapse or expire		would coincide with the Project peak construction activity.
DC/21/06805	Land East of the Constable Country Medical Centre Heath Road East Bergholt Suffolk	Application under Section 73 of The Town and Country Planning Act 1990 - Variation of Condition 7 (Restriction On Operation Times) and Condition 8 (Restriction On Construction Times) of Reserved Matters Approval DC/20/04663 Dated: 08/12/2021 (Outline Planning Permission B/16/01092 - Mixed-use development including up to 75 dwellings, a preschool and a neighbourhood hub,	Approved	INCLUDE: Evidence of construction on google imagery therefore assumption made that operational traffic would coincide with Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		comprising a swimming pool, office space and a local shop, public open space, and associated infrastructure and landscaping as amended by drawings received on 11th November 2016 (omission of school land)) to allow amendment to Operation Times and Construction Times		
DC/22/06309	Anglian Water services Bury to Colchester Pipeline	Cross Boundary - Hybrid Planning Application - Full Application for Bury St Edmunds to Colchester 69k Pipeline Scheme and associated above ground infrastructure at Raydon Water and Rushbrooke Water Treatment Works, Raydon Tee Chemical Dosing Site and Wherstead Water Reservoir. Outline Application for above ground infrastructure at Little Saxham Water Reservoir, Little Whelnetham, Nedging Tye Water Reservoir, Hadleigh Water Reservoir and Great Horkesley with all matters reserved except for Access (accompanied by EIA Statement)	Approved	EXCLUDE: approval given in Oct 2023 and assumed main construction works would be completed over a period of 15 months. Therefore, would not coincide with the Project peak construction activity. Minimal operational traffic with 1 HGV and 2 LGV movements.
DC/22/06200	Land South West of Rendall Lane Stowupland Suffolk	Full Planning Application - Erection of a Factory (B2 - General Industrial) with offices	Pending	EXCLUDE: Submitted in Dec 2022 and limited details provided on operational traffic, although noted that there would be a reduction of movements compared to the existing usage. No details provided on construction flows.
DC/23/04729	Bramford Solar Farm and Battery	Cross Boundary Planning Application – Installation of underground cable	Approved	EXCLUDE: Approved Jan 2024. No construction related traffic documents

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Storage Facility and on Adjoining Land, Land East of The Channel, Burstall, (Part in The Parish of Bramford) IP8 4JL			identified on construction flows. Assumed would be constructed prior to Project peak construction activity.
DC/23/04644	Land West of Blacksmiths Lane Earl Stonham	Planning Application – Erection of a Solar Photovoltaic Farm with associated substations and other supporting infrastructure including inverters and transformers, fencing, CCTV, and landscaping.	Awaiting decision	EXCLUDE: Submitted 2023 with planned construction over a 9 month period. Solar farm would generate minimal construction flows, around 5 to 6 HGVs a day with minimal maintenance visits throughout the year. Should this overlap with Project peak construction activity these flows are not considered significant.
DC/23/05426	Land North of Lion Road Palgrave Part in The Parishes of Wortham and Diss	Cross Boundary Planning Application - Installation of a solar farm comprising: ground mounted fixed tilt bifacial solar panels; access tracks; string inverters; transformers; electrical connection compound; storage containers; underground cables and conduits; perimeter fence; temporary construction compound and associated infrastructure and planting scheme. (EIA Development)	Awaiting decision	EXCLUDE: Submitted in Nov 2023. Unclear when construction would commence and if there would be an overlap with Project peak construction activity. Peak activity would occur during months 2 to 8 with an average of 9/10 HGV movements a day. During normal operations, personnel would visit the site approximately once a month, in a light van or four-wheel drive vehicle. Assumption made that flows are not significant.
EN020002	Bramford to Twinstead Reinforcement - Overhead Transmission Lines	Construction and operation of a new double circuit electricity transmission network reinforcement of c.29 km, consisting of overhead lines, underground cables, a grid supply point	Granted	INCLUDE: Granted Dec 2024 at post decision stage. Construction to be completed in 2028. This would coincide with Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		substation and associated development.		
EN010012	Sizewell C, Leiston, Suffolk, New nuclear power station	The proposed Sizewell C nuclear power station would comprise two UK European Pressurised Reactor (EPR) TM units, as shown on Plate 1.1, with an expected net electrical output of approximately 1,670 MW per unit, giving a total site capacity of approximately 3,340 MW	Granted	EXCLUDE: Granted July 2022. Peak construction year 2028. Does not overlap with the PARs for Project. However, noted that the Strategic Road Network (SRN) may have cumulative effect on A12 but does not impact junctions to be assessed.
DC/21/02867	Land North Of A143 Palgrave Suffolk IP22 1AZ	EIA Screening Opinion Request for a proposed 90 ha Solar Farm.	Decided - EIA not required	EXCLUDE: Based on the transport assessment, the Proposed Development should be operational in 2026. Therefore, operational traffic will coincide with the Project peak construction activity.
DC/21/06273	Land Off Old Station Road And Glebe Way Mendlesham Stowmarket IP14 5RT	Application for Outline Planning Permission (access to be considered) Town and Country Planning - Erection of up to 40 No. dwellings (including 14 No. affordable homes and self-build plots); and construction of 2 no. new accesses to Old Station Road and Glebe Way.	Pending	EXCLUDE: Planning application submitted on April 2021 - awaiting decision. No traffic related documents available to inform our assessment.
DC/23/05819	The East Anglia Three Offshore Windfarm Order 2017 Tye Lane Bramford Suffolk	Approval of Details reserved by Requirement 14: Onshore Cable Route Landscape Management Plan (Work No.s 5B to 20, 25 to 28, 41 and 52 to 61 pursuant to The East Anglia THREE Offshore Wind Farm Order 2017.	Approved	EXCLUDE: Planning application relates to East Anglia Three - construction commenced in July 2022 and should not coincide with the Project construction peak activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
DC/24/01153	Gateway 14 (1600), Land Between The A1120 And A14 Creeting St Peter Stowmarket Suffolk	Application for Reserved Matters following Outline Approval of DC/21/00407 Town and Country Planning (Development Management Procedure)(England) Order 2015 (as amended) - Submission of details for Appearance, Landscaping, Layout and Scale for the erection of buildings comprising commercial and employment use, open space and landscaping, car and cycle parking, highway works and other associated works, accompanied by EIA Statement (Gateway 14 - 1600).	Approved	EXCLUDE: Granted July 2024. Access to the wider highway network is via the A1120 to/from the A14 at Junction 50 to the north. To the south the A1120 provides access to the A1308 (for central Stowmarket) and the B1113 (for Needham Market). It is a development by Gateway 14 Ltd (wholly owned by Mid Suffolk District Council) and Jaynic. Therefore, should be captured within TEMPro.
DC/20/05895	Land To The South Of Church Farm, Somersham, And Land To The East Of The Channel, Burstall, In Suffolk	Full Planning Application - Installation of renewable energy generating station, comprising ground-mounted photovoltaic solar arrays and battery-based electricity storage containers together with substation, inverter/transformer stations, site accesses, internal access tracks, security measures, access gates, other ancillary infrastructure, landscaping and biodiversity enhancements including Nature Areas.	Approved	EXCLUDE: Granted Feb 2023 - It is expected that there will be approximately four to five HGVs accessing the Site each day during the construction phase. There will also be construction workers arriving at the Site in the morning and departing in the evening, although the numbers involved are forecast to be relatively low and will occur outside of peak hours.
DC/22/00828	Former Sugar Beet Factory Sroughton Road Sroughton Suffolk	Application for approval of Reserved Matters following Outline Planning Permission DC/17/05687 dated: 03/12/2018 - Access, Appearance, Landscaping, Layout and Scale for	Approved	EXCLUDE: Assessment has been undertaken for 2031 to align with the horizon year for the Local Plan Assessment. Based on google view large sections of the development have been

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		construction of a further phase of infrastructure (Phase 2B) including 510 m of new roads, footway/cycleway, associated landscaping, access bell mouths and utilities (including gas, water, electricity, communications, drainage, sewerage and construction of new pumping station) for Development Areas 7, Part 6b, 9, 11, 12, 13, 15 and 17, 18 and Part 19.		constructed and are operational. Therefore, these flows will be accounted for in the baseline traffic flows. Additionally, as the development is included in the local plan, it has been assumed that these would be accounted for by the TEMPro growth factor.
DC/22/02667	Grange Farm Old Bury Road Palgrave Suffolk IP22 1AZ	Planning Application - Mixed use development comprising installation of a ground mounted solar photovoltaic (PV) farm; along with continued agricultural use, ancillary infrastructure, substation, security fencing, landscaping provision, ecological enhancements and associated works.	Approved	EXCLUDE: Granted November 2023 - construction year / programme does is not stated within the Transport Statement / CTMP. Minimal traffic flows over a short period of time, and no clear construction year / programme, therefore, has been excluded from assessment.
DC/23/02118	Land To The South Of Church Farm, Somersham IP8 4PN And Land To The East Of The Channel, Burstall Suffolk IP8 4JL	Planning Application - Installation of renewable led energy generating station comprising ground-mounted photovoltaic solar arrays and battery-based electricity storage containers together with substation, inverter/transformer stations, site accesses, internal access tracks, security measures, access gates, other ancillary infrastructure, landscaping and biodiversity enhancements including Nature Areas ('Free Go' application following refusal of MSDC		EXCLUDE - Granted September 2023 - construction year / programme does not appear to be mentioned - The construction of the Proposed Development would take place over approximately nine months. Minimal traffic flows over a short period of time, and no clear construction year / programme, therefore, has been EXCLUDED from assessment.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		Ref: DC/20/05895)(accompanied by EIA Statement).		
DC/23/02362	Marsh Lane Solar Farm At Land North Of Lion Road Palgrave Suffolk	Request for a Scoping Opinion under Regulation 15 of the Town and Country Planning (EIA) Regulations 2017- Proposed solar farm and associated infrastructure.	Decided – EIA Not Required	EXCLUDE: In June 2023 decision was that an EIA would be required. No traffic related documents forming part of this application.
DC/24/05090	Land Adjacent To Bullen Lane Bramford IP8 4JN	Planning Application. Construction, operation and maintenance of a Battery Energy Storage System (BESS) with associated infrastructure and works including highway access, landscaping and biodiversity enhancements	Approved	EXCLUDE: Granted March 2025 - In terms of construction traffic, on average there will be a maximum of two HGV deliveries and 10 LGVs visiting the Site per day. In terms of the traffic flows associated with the construction workers, the location of where construction workers will travel from is unknown at this stage as it will depend on the appointed Main Works Contractor(s). Once operational, the Site will be unmanned with operational activities limited to very occasional visits for maintenance.
DC/21/03005	Land East Of Gables Farm Bramford Road Bramford Suffolk IP8 4AX	Environmental Impact Assessment Screening Opinion Request for 115no dwelling development under Regulation 6 of The Town and Country Planning (Environmental Impact Assessment) Regulations 2017	Decided – EIA Not Required	EXCLUDE: Decision that no EIA is required was given on June 2021 – no traffic related documents associated with this planning application.
DC/24/05535	Land South Of Eye Airfield Industrial Estate Castleton	Full Planning Application - Erection of a Battery Energy Storage System and associated infrastructure including	Pending	EXCLUDE: Awaiting decision – construction route does not coincide with the Project PARs.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Way Yaxley Suffolk IP23 8AW	access, drainage, landscaping and other incidental works.		
DC/20/01435	Land South East Of Gipping Road Stowupland Suffolk	Outline Planning Application (All matters reserved) Erection of up to 80 dwellings	Approved	EXCLUDE: Granted Oct 2020 – assessment year for operation is 2025. Additionally, based on google satellite imagery it appears the site has been constructed, therefore, associated flows around the local road network would have been captured within the baseline.
DC/21/01320	Land East of Hadleigh Road Somersham Suffolk	Use of land as private smallholding/kitchen garden and for the keeping of horses. Construction of riding arena, stables, borehole and shed, polytunnels, pig pen, chicken coop and fencing/gates. Siting of 3no. storage containers.	Approved	EXCLUDE: Granted Jul 2021 – Change of use with limited associated flows and a notable distance from Primary Access Routes. No likely significant impact expected.

Table D.33 List of committed developments and transport schemes under consideration (Essex)

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
20/01905/OBS4	Development Consent for the A12 Chelmsford to A120 Widening Scheme (the Proposed Development)	Development Consent for the A12 Chelmsford to A120 Widening Scheme (the Proposed Development)	Granted	EXCLUDE: Granted Jan 2024. Proposed construction completion by 2027 prior to Project peak construction activity. A12 noted increase of 10% Annual Average Daily Traffic (AADT) in 2027 from development traffic. This scheme has been cancelled (July 2025)
EN010118	Longfield Solar Farm	Construction, operation (maintenance), and decommissioning of a solar photovoltaic (PV) array electricity generating facility and energy storage facility with a total capacity exceeding 50 MW and export connection to the National Grid, including extension of the existing Bulls Lodge Substation	Granted	EXCLUDE: Baseline scenario for construction (2025) and operational assessment year (2026) would not coincide with Project peak construction activity. Operational flows considered to be not significant with minimal sites visits for maintenance.
EN010138	Rivenhall Integrated Waste Management Facility (IWMF) and Energy Centre. Located on land at the former Rivenhall Airfield	Extension to generating station to enable electrical generating capacity of up to 65 MW together with associated development	Granted	EXCLUDE: Granted in Dec 2024. The total number of vehicle movements would not be changed by the Proposed Development.
EN020033	Euro-link/ Lion Link Project	A proposed electricity link between Great Britain and the Netherlands that will supply up to 1.8 gigawatts (GW) of electricity and will connect to Dutch offshore wind via an offshore converter	Pre-application	EXCLUDE: Scoping report was submitted in March 2024. No construction details provided. Anticipated to take place between 2026 and 2030 with use of 2028 as the future baseline assessment year.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		platform in Dutch waters. It is proposed that the project would involve the construction of a converter station and the installation of offshore and onshore underground high voltage direct current cables (HVDC) to the onshore converter station and underground alternating current cables (HVAC) between the converter station and the proposed Friston Substation.		Although this may coincide with the Project peak construction activity, there is insufficient details to include within assessment.
EN010115	Five Estuaries offshore wind farm	Proposed extension to the operational Galloper Offshore Wind Farm, located 30 km off the coast of Suffolk. Five Estuaries offshore windfarm has been allocated the same grid connection point to the North Falls offshore wind farm by National Grid Electricity Transmission, the East Anglia Connection Node (EACN) Substation that is part of the Norwich to Tilbury project.	Pre-application	INCLUDE: If approval is granted, Five Estuaries is proposed to start work in 2027 and become operational in 2030. The substations for both developments would be in proximity to (and connected to via underground cables) the EACN Substation. A haul road is proposed, and it has been agreed that this would be utilised by the Project. Worst-case flows are with North Falls (Scenario 1).
N/A	Nautilus Interconnector (East Suffolk)—connection of offshore wind between the UK and Belgium	Nautilus Interconnector is a proposed second Interconnector between Great Britain and Belgium.	Withdrawn	EXCLUDE

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
EN010119	North Falls offshore wind farm	An offshore wind farm in the southern North Sea approximately 24.5 km from its nearest point at the Port of Lowestoft. North Falls offshore wind farm has been allocated the same grid connection point to the Five Estuaries offshore wind farm by National Grid Electricity Transmission, the EACN Substation that is part of the Norwich to Tilbury project.	Pre-application	INCLUDE: If approval is granted, North Falls is proposed to start work in 2027 and become operational in 2030. The substations for both developments would be in proximity to (and connected to via underground cables) the EACN Substation. A haul road is proposed, and it has been agreed that this would be utilised by the Project. Worst-case flows are with Five Estuaries (Scenario 2)
EN020026	Sea Link Project	The Sea Link project is a consists of; 1. Constructing a new converter station within 5 km of the proposed Friston Substation then HVAC underground cables between the substation and a converter station and then HVDC underground cables between the converter station and the coast. 2. Constructing a new offshore HVDC cable between Suffolk and Kent. 3. Constructing a new converter station within 5 km of the existing Richborough Substation with HVDC underground cables between the converter station and the coast at Pegwell Bay.	Pre-application	EXCLUDE: Subject to gaining development consent, construction works would be expected to start in 2026 and be completed by 2030. No further construction details provided. Although this may coincide with the Project peak construction activity, there is insufficient details to include within assessment.
EN010106	Sunnica solar farm, near Newmarket	The installation of solar photovoltaic generating panels and electrical battery storage technology on Sunnica East and Sunnica West, and associated	Granted	EXCLUDE: Granted July 2024. Peak construction was identified as 2023 assumed start in 2025 with 24 month construction programme. Operational flows

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		infrastructure for connection to the national grid, including an extension to the Burwell National Grid Substation.		would coincide with Project peak construction activity. Operational flows considered to be not significant with minimal sites for maintenance.
DC/17/05687	Former Sugar Beet Factory Sroughton Road Sroughton Ipswich IP1 5AL	Outline Planning Application - Development of an Enterprise Park comprising up to 90,000sqm GIA of employment floorspace (B1/B2/B8), 9,000sqm GIA of motor vehicle sales (sui generis), a local centre (accommodating with up to 1,250 sqm NIA of retail floorspace including local retail and services (A1 and A2) restaurants, pubs and takeaways (A3, A4, A5) together with an 80-bed hotel (C1); new and improved access from Sroughton Road; together with the provision of landscaping, infrastructure (including movement (highways, parking, cycle and pedestrian routes), utilities (including gas, electricity, water, sewerage, telecommunications) and sustainable drainage systems), and engineering works (including demolition of existing structures and buildings, breaking-up and recycling of hardstanding and ground remodelling and enabling works)	Approved	EXCLUDE: Granted in Dec 2018 and assessment undertaken in line with Local Plan assessment. Based on google imagery construction has started. Assumed flows are captured within baseline traffic survey data and within TEMPro growth factor for future baseline.
21/01765/FULL	Highways Land, Dunton Road,	Installation of underground cables and associated works between Crouch	Granted	EXCLUDE: Works are associated with Crouch Solar Farm which has been

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Dunton, Basildon, Essex	Solar Farm and Lower Dunton Road Substation (inclusive only of the area falling within Basildon administrative area) (Dunton Road and Lower Dunton Road)		constructed. Minimal operation flows anticipated with regard to this application.
24/00004/OUT	Land South of London Road Billericay	Hybrid planning application comprising detailed planning permission for a new food store (Use Class E) with access, car parking, landscaping and other associated works; and outline planning permission (all matters reserved except means of access) for the erection of up to 130 dwellings (Use Class C3) (including market, affordable and self-build custom build dwellings) with access, parking, public open space and associated landscaping and infrastructure works.	Awaiting decision	EXCLUDE: Submitted Jan 2024 with proposed construction works completed by 2029. Potential for overlap with Project peak construction due to delayed start. However, no details provided on construction programme or flows.
21/01783/LDO	Horizon 120 Business Park Off A131 London Road Great Notley Essex	Proposed Local Development Order for the creation of a Business and Innovation Park comprising E(g)(i) (Office); E(g)(ii) (Research and Development); E(g)(iii) (Industrial Process); B2 (General Industrial) and B8 (Storage or Distribution) uses, and within Zone A of the proposed development a C1 (Hotel) (maximum 120 bed spaces); and buildings within the Horizon Hub area where the following uses will be permitted, subject to restrictions on internal floor area:	Granted	INCLUDE: Granted in Aug 2021. Completion of the site is identified as 2030, however the start of construction delay by one year due to approval. Assumed 80% of operational trips identified within TA would coincide with the Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		E(a) (Shop; maximum 300sq.m); E(b) (Restaurant and Cafe; maximum 200sq.m); Gymnasium within Use Class E(d) (maximum 700sq.m.); Ecafé (Medical or Health Services; maximum 150sq.m.); Early Years Childcare, Day Nursery or Preschool within Use Class E(f) (maximum 350sq.m); 250sq.m for Sui Generis Event Space (excluding such space within a building principally used as a C1 Hotel); Sui Generis Bus Depot including welfare facilities; and associated structural landscaping and infrastructure – Amendments to the Approved Local Development Order (LDO) and Proposed Horizon 120 Wayfinding Strategy		
19/00739/REM	Land Adjacent to Braintree Road Cressing Essex	Development of up to 225 residential dwellings; associated access (including provision of a new roundabout on Braintree Road); public open space; play space; pedestrian and cycle links; landscaping; and provision of land for expansion of Cressing Primary School	Granted	EXCLUDED: Granted Sep 2019 and shown as constructed on google imagery. Operational flows would have been captured within survey data.
21/03214/REM	Land Opposite Sandiacres Long Green Cressing Essex	Application for the approval of reserved matters (in respect of layout, scale, appearance and landscaping) pursuant to outline planning permission 18/00549/OUT granted 14.12.2020 (Allowed on appeal) for 250 dwellings,	Granted	INCLUDE: Granted in March 2023. Construction has started as shown on google imagery and assumed to finish 2029 due to delayed start. Operational flows are likely to coincide with Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		open space and associated ancillary works		
21/03735/FUL	Land West of Park Road Rivenhall Essex	Installation of solar farm and associated development.	Appeal Allowed	EXCLUDE: Approval July 2023. 16 week construction programme. Construction does not appear to have started on google imagery. Construction flows are likely to be 44 HGV two-way movements. Assumed would be constructed prior to Project peak construction activity. Operational traffic is minimal with 2LGV/car visits per month for maintenance. Flows have been captured within TEMPro growth Factor.
21/01878/FUL	Land East of Periwinkle Hall Links Road Perry Green Bradwell Essex	Construction and operation of a solar photovoltaic farm, with battery storage and other associated infrastructure, including inverters, security cameras, fencing, access tracks and landscaping.	Granted	EXCLUDE: Approval Dec 2021. 16 week construction programme. Construction appears to have been completed. Construction flows are likely to be 12 HGV two-way movements and 50 LGV/car two-way movements. Assumed would be constructed prior to Project peak construction activity. Operational traffic is minimal with 2 LGV visits per year.
17/01979/OUT	Land Cranes Lane Kelvedon Essex	Outline planning permission for up to 125 dwellings and up to 2000 m ² of employment floorspace (Class B1).	Pending	EXCLUDE: Application was submitted in 2017 and is still pending. No construction programme provided. Insufficient details to understand if there would be an overlap with Project peak construction activity.
21/03579/OUT	Land South West of Coggeshall Road Kelvedon Essex	Outline planning application (with all matters reserved apart from access) for up to 600 dwellings, including up to 75	Pending	EXCLUDE: Submitted 2021, start date initially programmed for completion of phase 1 2026 and full operation by 2030.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		units sheltered housing accommodation, the proposed provision of a primary school, and provision of public open space including associated landscape planting with associated infrastructure, drainage measures, earthworks and provision of new footpath/cycleway route towards Coggeshall.		Consultation comments noted Feb 2025. Unlikely to coincide with Project peak construction activity.
22/01530/VAR	Land North of Colchester Road Coggeshall Essex	Variation of Condition 7 (Prior to first occupation) following grant of planning permission 19/02072/VAR Approved 16/019/2020 to vary planning permission 17/02246/OUT for: Outline application for the construction of up to 300 dwellings (including up to 40% affordable) nursery/community facilities (420 m ²) and provision of access, roads, drainage infrastructure, open space and strategic landscaping. Demolition of existing garage/ workshop building. Variation would allow condition to read: - 'Prior to the occupation of the 100 th dwelling, the improvement work shown in outline on WSP Drawing Number 26359-SK-04 P01 Colchester Road Coggeshall Off Site Highways Works dated October 2018 shall be completed in accordance with a detailed scheme submitted for approval by the Local Planning	Application Granted with S106	INCLUDE: Granted in April 2019. Google imagery shows construction work in 2023. Worst-case assume overlap of operational traffic with Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		Authority in consultation with Highways England.'		
21/01525/OUT	Entire Land East of A128 South of A127 Tilbury Road West Horndon Essex	Additional submission following EIA Regulation 25 information request: (Shortened description). Please refer to the application form for full description) Outline application with all matters reserved apart from Access, for: the construction of a Garden Community which includes up to 3,700 dwellings, 3 care homes, 5 gypsy/travellers pitches, secondary and primary schools, children's nurseries and creches. Employment hub, village centre and neighbourhood hubs, mobility hub, community sports hub, football, hub, cricket ground, green and blue infrastructure, sustainable drainage system, accesses to A128 Tilbury Road, footpath and cycle link to the A127 and other associated infrastructure and works including noise barrier, demolition of structures and undergrounding of the overhead lines	Pending consideration	EXCLUDE: Submitted Sept 202 1 and documents being submitted in Feb 2025. Uncertainty on when the construction programme would commence, and no flows provided. Operation scenario tested was for 2033 therefore would not overlap with Project peak construction activity.
22/00667/FUL	Park Farm Dunton Road Herongate Brentwood Essex CM13 3SG	Variation of condition 7 of application 21/00834/FUL (Construction and operation of a solar farm together with all associated works, equipment and	Granted	EXCLUDED: Solar farm has been constructed. Operational traffic of up to 8 two-way vehicle movements a month, therefore not significant.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		necessary infrastructure) for the re-wording of condition 7		
21/00834/FUL	Park Farm Dunton Road Herongate Brentwood Essex CM13 3SG	Construction and operation of a solar farm together with all associated works, equipment and necessary infrastructure	Granted	EXCLUDED: Solar farm has been constructed. Operational traffic of up to 8 two-way vehicle movements a month, therefore not significant.
22/00047/FUL	Havering Grove Farm 552A Rayleigh Road Hutton Brentwood Essex CM13 1SG	Demolition of existing commercial buildings and hardstanding and cessation of outside storage uses and replacement with construction of four residential dwellings together with associated landscaping and access.	Granted	EXCLUDED: Accepted in July 2022. Change in use does not appear to have been undertaken from google imagery search. No construction flow provided. Minimal traffic flows from proposed housing therefore not significant.
20/00001/MAS	Strategic Growth Site North of Woodhouse Lane, Broomfield, Chelmsford, Essex	Masterplan for around 450 new homes, neighbourhood centre, early years and childcare facility, local open space and associated access and highway infrastructure including a new access into Broomfield Hospital	Granted	EXCLUDED: Granted in 2020 and completion of construction was identified as 2028. Construction does not appear to have been started from google imagery search, therefore operational traffic unlikely to coincide with Project peak construction activity. Construction flows have not been provided therefore overlap cannot be assessed.
20/02064/OUT	Strategic Growth Site North of Woodhouse Lane, Broomfield, Chelmsford, Essex	Outline application for residential development for up to 512 dwellings including affordable housing and custom build homes (Use Class C3), Local Centre (Use Classes E, F.1 and F.2), formal and informal open space, and associated infrastructure. All	Pending	INCLUDE: Completion of development was planned for 2028, however application still pending. Construction flows may likely coincide with Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		matters reserved except for primary access.		
22/00284/CM	Quarry And Premises, Moulsham Hall Lane, Great Leighs, Chelmsford, Essex	Continuation of development without compliance with condition 3 (applications details) and condition 74 (restoration timescale for original quarry area) of planning permission ESS/42/17/CHL to allow provision of a larger mineral and waste processing area and delay in the removal of the existing processing plant and restoration of the original quarry; and installation of additional mineral and waste processing facilities and provision of a new portal framed workshop. ESS/42/17/CHL is the extant planning permission for Extraction of an estimated reserve of 2.8 million tonnes of sand and gravel (from sites A38 and A39 as identified in the Minerals Local Plan 2014) and retention of existing access onto the A131, retention of existing sand and gravel processing plant (to be relocated within site A38), progressive restoration to agriculture using inert fill, installation of inert recycling facility, including screening and crushing to recover secondary aggregate	No Further Action	EXCLUDE
23/01583/FUL	Strategic Growth Site 7A Moulsham	Hybrid planning application for EIA (Environmental Impact Assessment)	Pending	INCLUDE: Submitted Oct 2023. Potential for construction to overlap with Project

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Hall Lane Great L Fights Chelmsford Essex	development to include: 1. Outline application with all matters reserved for residential development of up to 800 homes (Use Class C3) separate affordable and self/custom-build homes; a Neighbourhood Centre comprising commercial, business and service (Use Class E) of which the anchor retail store is not more than 500sqm (GIA); medical services (Use Class E café), a children's separate (Use Class E(f)) and a residential care home (Use Class C2) of up to 80 beds; a new primary school (Use Class F1); landscaping works, provision of strategic and local open space; biodiversity enhancements, all associated highways infrastructure, pedestrian, cycle, PROW and bridleway routes; drainage infrastructure and all associated ancillary works including services and utilities. 2. Full application for the principal means of vehicular access to the site, on site highways works, surface water attenuation basins and associated ancillary works including services and utilities.		peak construction activity. Peak construction flows provided and used as worst-case.
182723	Langham Oaks, School Road, Langham	Full application for the erection of a new two storey school containing teaching and residential	Approved	EXCLUDE: Construction completed. No significant change to operational flows as a result of the changes. No change to pupil

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Colchester CO4 5PA	accommodation and demolition of single storey rear extensions at Langham Oaks School, School Road, Langham, Colchester, CO4 5PA		numbers and staff levels to increase by 2 members.
223183	Anglian Water Pipeline, Dedham to Great Horkesley	Proposed hybrid planning application for section of the proposed Bury St Edmunds to Colchester Pipeline Scheme with full planning consent sought for a pipeline and associated above ground infrastructure; and outline consent for above ground infrastructure	Approved	EXCLUDE: Approved 2023. Assumed to have been completed prior to Project peak construction activity. No operational flows provided, however assumed this would be infrequent and for maintenance.
231640	Land off, Hall Road, Copford Colchester	Creation of 50 no. two, three, four and five bedroom houses and associated infrastructure, plus public open space in the centre of the site and access works on Hall Road.	Approved	EXCLUDE: Approved Dec 2024 and construction has started. Construction programme 12-18 months therefore operational flows would coincide with Project peak construction activity. However, flow considered not significant.
232762	Tey Brook Centre Brook Road Great Tay Essex CO6 1JE	Erection of 1no. Employment Units Class E, g (ii) and (iii), B2 and B8 use.	Pending	EXCLUDE: Approved April 2024. Construction programme over 3 years. Therefore, operational flows would coincide with Project peak construction activity. However, flow considered not significant.
ESS/36/21/BTE	Land at: Colemans Farm Quarry, Little Braxted Lane, Rivenhall, Witham, Essex, CM8 3EX	Proposed western extension to the current site using existing approved facilities (site access, plant site, mineral processing plant and other ancillary facilities); including for the diversion of	Granted	EXCLUDE: Granted Jan 2023. Appears to be operational from google imagery. Therefore, operational flows would coincide with Project peak construction

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		the Burghey Brook; with restoration to arable land using imported inert restoration materials, and on-site materials in advance of the A12 road widening and improvement national infrastructure project		activity. However, flow considered not significant (4 HGV's an hour on to A12).
CC/CHL/85/21	Land between Beaulieu Park (north of Generals Lane), Boreham Parish, and Deres Bridge Roundabout on A131, Great & Little Leighs Parish, to the north-east of Chelmsford.	Chelmsford Northeast Bypass (CNEB): A single carriageway road between Roundabout 4 of the Beaulieu Park Radial Distributor Road (RDR1) and a new roundabout on the A131 at Chatham Green plus dualling of the existing A131 between Chatham Green and Deres Bridge roundabout. With one intermediate roundabout, 3 road overbridges and 1 pedestrian/cycle/horse overbridge. Together with other associated works and landscaping.	Granted	INCLUDE: Granted April 2022 and phase 1 construction to be completed 2025. Therefore, operational flows would coincide with Project peak construction activity. It is understood that there would be an increase in baseline traffic flow from CNEB on the A131, however only a range is provided for peak hours. Therefore, as a worst-case, the future baseline has been retained in the assessment.
ESS/61/21/CHL	Land adjacent to Chelmsford City Racecourse, Great Leighs, Chelmsford, CM3 1QP	Pyrolysis Plant to generate electricity from imported solid recovered fuel, associated building and offices	Granted	EXCLUDE: Granted in Sep 2021. Construction appears to have started on google imagery. operational flows would coincide with Project peak construction activity. However, flow considered not significant (1-2 HGV's a day and 18 two-way movements in peak hours).
ESS/77/20/CHL	Land south of A1060 (Salt's Green), Chalk End, Roxwell,	Sand and gravel quarry and associated works/development including formation of new access and mobile plant area;	Granted	EXCLUDE: Granted Feb 2022. Operational flows would coincide with Project peak construction activity. However, flows are noted as being

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Chelmsford, CM1 4NJ	together with the importation of inert material to facilitate site restoration		reduced, therefore considered not significant.
ESS/01/18/CHL	Land at Sheepcotes Farm, Sheepcotes Lane, Little Waltham, CM3 3LU	The construction of an agricultural reservoir involving the extraction, processing and exportation of sand and gravel and soils; the erection and use of an on-site processing plant with ancillary facilities; and highway and access improvements. Together with the construction of an associated irrigation pipeline from the proposed abstraction point (River Chelmer at Langleys, Great Waltham)	Granted	EXCLUDE: Granted July 2019. Appears operation on google imagery. Therefore, operational flows would coincide with Project peak construction activity. However, flow considered not significant (3-4 HGVs an hour)
CC/CHL/07/17	Beaulieu Park Education Campus Site, Beaulieu, Chelmsford	Proposed development of the Beaulieu Park Schools Campus, consisting of a 1200 place three storey Secondary School, 420 place two storey Primary School, 56 place single storey Nursery, Sports Hall with associated community facilities, hard and soft play areas, means of enclosure, landscaping, car parking, bicycle and scooter parking and associated infrastructure on a site of approx. 11.8 ha on land to the north-east of the junction of White Hart Lane (A130) and Essex Regiment Way, with vehicular access from Armistice Avenue and pedestrian access via Beaulieu Square, Chelmsford	Granted	EXCLUDE: Granted April 2017 and appears constructed on google imagery. Therefore, operational flows would coincide with Project peak construction activity. However, development flows would be captured in baseline surveys.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
CC/TEN/31/21	Land between the A120 and A133, to the east of Colchester and west of Elmstead Market	New link road between the existing A120 and A133 inclusive of a grade separated dumbbell junction at the A120, with new accesses to an existing petrol station (Ardleigh South Services) and Colchester Waste Transfer Station; a new roundabout at the junction with the A133; and two intermediate roundabouts along the link road. Together with other associated works and landscaping	Granted	INCLUDE: Granted Nov 2021 and construction work for the first phase has started with completion due 2026. Therefore, the Link Road would be operational and coincide with Project peak construction flows. Increase of flows noted at A120 Ardleigh Crown Interchange.
22/00539	20 Harwich Road Ardleigh Colchester Essex CO7 7LT	20 Harwich Road Ardleigh Colchester Essex CO7 7LT - Demolition of existing industrial units and erection of bespoke administration building with associated parking, landscaping and boundary treatments.	Approved	EXCLUDE: Approved May 2022. Lack of information / details for construction or operational flows. However not expected to have significant impact to baseline flows.
22/00121/FUL	DTE Scaffolding Old Ipswich Road Ardleigh Colchester Essex CO7 7QR	DTE Scaffolding Old Ipswich Road Ardleigh Colchester Essex CO7 7QR - Proposed erection of 2 no. detached single storey buildings forming 10 no. commercial units Class E, B2 and B8 uses.	Approved	EXCLUDE: Approved Jan 2023. Lack of information / details for construction or operational flows. However not expected to have significant impact to baseline flows.
21/02070/FUL	Land adjacent to Lawford Grid Substation Ardleigh Road Little Bromley Essex CO11 2QB	Construction and operation of a 50 MW Battery Energy Storage System, and related infrastructure with associated access, landscaping and drainage	Approved	EXCLUDE: Approved Sept 2022 appears to have been constructed. Operational traffic is minimal for maintenance with 1-2 LGV visits per month therefore not significant.
21/00688/FUL	Mulley's Farm Bentley Road Little Bromley Manningtree Essex CO11 2PL	Mulley's Farm Bentley Road Little Bromley Manningtree Essex CO11 2PL	Approved	EXCLUDE: Approved Oct 2022. assumes works undertaken and included in baseline

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Bromley Manningtree Essex CO11 2PL	- Variation of Condition 4 (External Access to Formal Parking Area) of Planning Application ref: 18/01888/FUL, granted under appeal ref: APP/P1560/W/20/3250989 (Change of use of agricultural and storage buildings to mixed open use (B1, B2 and B8) and the erection of an extension following the removal of a lean-to structure) to provide a more practical design solution.		flows. Flows unlikely to be significant and similar to existing.
20/00704/FUL	Badley Hall Little Bromley Road Ardleigh Colchester Essex CO7 7NF	Change of use of and alterations to agricultural storage buildings to B1(a), B1(c) and B8 uses with associated parking and installation of package treatment plant.	Approved	EXCLUDING: Approved April 2021 assumes works undertaken and included in baseline flows. Flows unlikely to be significant and similar to existing.
22/00006/LUEX	Ardleigh Caravan and Camping Park Dead Lane Ardleigh Essex CO7 7RH	Proposed continued additional use of the land with pitches for up to 14 touring caravans for holiday and recreational purposes between 1st March and 31st October in any year.	Lawful use certificate granted	EXCLUDE: Granted in Feb 2022. Application is for the continuation of the additional use of land; therefore, operational use should be already captured in baseline flows.
21/01184/LUEX	Ardleigh Caravan and Camping Park Dead Lane Ardleigh Essex CO7 7RH	Lawful development certificate for the storage only (not for occupation) of up to 250 (maximum) motorhomes/towed caravans. Proposed continued additional use of the land with pitches for up to 14 touring caravans for holiday and recreational purposes between 1st March and 31st October in any year.	Lawful use certificate granted	EXCLUDE: Granted in Feb 2022. Application is for the continuation of the additional use of land. Storage only and not for not for occupation, therefore, should not produce additional operational flows.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
20/01582/AGRIC	Wick Farm Wick Lane Ardleigh Colchester Essex CO7 7RE	Proposed agricultural irrigation reservoir.	Approved	EXCLUDE: Approved in 2020. Based on google imagery this has been constructed.
20/00594/FUL	Land adjoining Ipswich Road and Wick Lane Ardleigh Essex CO7 7QL	Full planning for food storage and distribution facility and associated parking, logistics yard and offices (re-consultation: Supplementary Sequential Test Statement received 23/03/2022).	Approved subject to S.106	INCLUDE: Approved July 2023 to be operational in 2027. Operational traffic to coincide with Project peak construction activity.
20/01783/FUL	Systematic Business Park Old Ipswich Road Ardleigh Essex CO7 7QL	Construction of up to 30 'start-up' business units under flexible E(g), B2 and B8 use and associated development. (Additional application associated with Site - 22/01340/FUL Crown Business Centre Old Ipswich Road Ardleigh Colchester Essex CO7 7QR - Proposed erection of B8 storage and distribution units with ancillary mezzanine office space and associated access amendments, parking and landscaping.)	Approved	INCLUDE: Approved Dec 2021. Appears constructed from google imagery but unknown when completed. Operational flows would coincide with Project peak.
23/00136/FUL	Crown Business Centre Old Ipswich Road Ardleigh Colchester Essex CO7 7QR	Proposed erection of B8 storage and distribution units with ancillary mezzanine office space and associated access amendments, parking and landscaping.	Approved	INCLUDE: Approved Dec 2021. Based on google imagery the site appears under construction. Operational flows would coincide with Project peak construction activity. However, the development predicted flows are expected to be

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
				reduced therefore have been removed from future baseline.
23/01033/DETAIL	Crown Quarry Old Ipswich Road Ardleigh Essex CO7 7QR	Reserved Matters Application for Access, Appearance, Landscaping, Layout and Scale following Outline Planning Permission 19/01939/OUT (for a business park development comprising of B1, B2 and B8 storage, the construction of a new internal access from the existing access road, relocation of the existing temporary quarry office to a new building together with associated car / cycle parking).	Reserved Matters Approved	INCLUDE: Approved Oct 2023. Appears to be constructed on google imagery and operational. Operational flows would coincide with Project. Flows to be included within as baseline data collected prior to this.
23/01800/AGRIC	Wick Farm Wick Lane Ardleigh Colchester Essex CO7 7RE	Prior Approval Application under Part 6, Schedule 2 of the Town and Country Planning (General Permitted Development) (England) order 2015 (as amended) for a new general purpose agricultural store.	Decided – Prior Approval not required	EXCLUDE: Decided 2024. Insufficient traffic related information provided to include within assessment. Unlikely to generate significant operational flows.
23/01763/FUL	The Pod Old Ipswich Road Ardleigh Colchester Essex CO7 7QL	New storage unit within the southwest corner of the existing workshop.	Approved	EXCLUDE: Decided Jan 2024. Insufficient traffic related information provided to include within assessment. Unlikely to generate significant operational flows.
ESS/01/18/CHL/NMA1	Land at Sheepcotes Farm, Sheepcotes Lane, Little Waltham, CM3 3LU	Non-material amendment to planning application ref: ESS/01/18/CHL (Construction of an agricultural reservoir) seeking a revised alignment of the site access road	Approved	EXCLUDE: Links to planning application ESS/01/18/CHL - granted July 2019. Appears operational on google imagery. Therefore, operational flows would coincide with the Project peak construction activity, although flows should be accounted for in baseline flows. However,

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
				flow considered not significant (3-4 HGVs an hour).
ESS/29/20/TEN	Land at Martells Quarry, Slough Lane, Ardleigh, Essex, CO7 7RU - Sewells Reservoir Construction Limited	Proposed western extension to Martells Quarry for the extraction, processing, sale and distribution of silica sand and gravel, and subsequent restoration using inert materials along with the creation of a new access.	Approved	EXCLUDE: granted September 2021. Specific details for the regarding distribution beyond Slough Lane are not sufficient for cumulative assessment.
ESS/08/24/BTE/SPO	Land forming part of the Rivenhall Airfield/Bradwell Quarry, Coggeshall Road (A120), Braintree.	Erection of up to 45 hectares of low carbon greenhouses, with associated solar renewable energy provision, conversion of the existing Rivenhall RAF hangar to a vertical farm and associated supporting infrastructure including offices, packhouses, boiler houses, heat stores, day tanks, CO2 balloons and lagoons for drainage, irrigation and biodiversity.	Approved	EXCLUDE: granted March 2024. This is a scoping onion which does not contain sufficient details to include within our assessment.
CC/CHL/30/23/SO	Chelmer Valley Park and Ride, Pratt's Farm Lane, Little Waltham, Chelmsford.	EIA Screening Opinion: Proposed expansion of Chelmer Valley Park and Ride together with associated works including changes to the internal site configuration, provision of additional landscaping and an attenuation pond	Approved	EXCLUDE: granted May 2023. This is a scoping onion which does not contain sufficient details to include within our assessment.
CC/CHL/110/23	Chelmer Valley Park and Ride, Pratt's Farm Lane, Little Waltham, Chelmsford.	Expansion and enhancement of Chelmer Valley Park and Ride, including an expansion of the car parking area to the north and east, pedestrian and cyclist improvements	Approved	EXCLUDE: granted November 2024. Within documents is stats that there is no change in traffic flows expected in the 2027 opening year during any time period as the site has not yet reached capacity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		and the construction of a new substation. Together with other associated development, works and landscaping.		
ESS/51/24/BTE/SPO	Land at Rivenhall Airfield Coggeshall Road, Braintree, CO5 9DF.	EIA Scoping Opinion Request for the following applications which are proposed to be submitted together: - Non-Material Amendment Application that would amend the wording of the description of development to move specific reference to the materials processed in the consented IWMF into relevant Condition(s) of the Planning Permission of the IWMF (ESS/39/23/BTE). - A Variation Application of ESS/39/23/BTE/“slot out” application to create a blank area within the IWMF footprint by reconfiguring the proposed layout of the consented IWMF elements. The Variation Application would not remove any element of the consented IWMF. The Variation Application would also provide for the import of bulky waste for treatment in the Materials Recovery Facility (MRF), provide details of the phasing of the development of the IWMF and propose other minor design changes. - An Outline Planning Application that proposes a Carbon Capture Use and Storage plant with Heat Offtake (CCUS-HO) within the	Approved	EXCLUDE: granted October 2024. This is a scoping onion which does not contain sufficient details to include within our assessment.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		blank area created by the Variation Application/"slot out" application.		
ESS/24/25/BTE	Land at Rivenhall Airfield, Coggeshall Road, Braintree, CO5 9DF.	Outline Planning Permission with all matters reserved (except for access) for the construction of a Carbon Capture, Usage and Storage Plant and Heat Offtake ('CCUS-HO') and associated stack, external pipelines, electrical cables, and landscaping works.	Pending	EXCLUDE: Associated traffic flows would not affect our PARs or connecting links.
20/00480/DETAIL	Land East of Bromley Road Lawford Essex CO11 2HS	Reserved matters application with details of appearance, landscaping, layout and scale pursuant to Phase 3 of outline permission (15/00876/OUT) including 100 dwellings, associated hardstanding, boundary treatments, landscaping and drainage.	Approved	EXCLUDE: granted December 2020. No traffic and transport documents associated with this planning application.
20/00547/OUT	Hamilton Lodge Parsons Hill Great Bromley Colchester Essex CO7 7JB.	Hybrid Application for Outline application for residential development including: 67 dwellings including up to 30% as affordable housing and all necessary access roads (Outline), All associated amenity space, landscaping, parking, servicing, utilities, footpath and cycle links, on-site drainage, and infrastructure works including gas and electricity apparatus (Outline), Residential development for 12 dwellings (Use Class C3) and associated access roads including formation of new junction to Parsons	Approved	EXCLUDE: granted February 2022. No traffic and transport documents associated with this planning application.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		Hill (Detail), Formal and informal open space including village green and meadow (Use Class D2) including landscaping, parking, servicing, utilities, footpath links (Detail).		
20/00782/OUT	Land South of Long Road Lawford Essex CO11 2HS.	Outline planning with all matters reserved except for access for up to 76 no. dwellings and associated roads, hardstanding, fencing, outbuildings and drainage.	Approved	EXCLUDE: Granted May 2021 - assessed 2029 future year. Therefore, does not coincide with the Project construction peak activity for the affected PARs/junctions.
21/00197/DETAIL	Land to The South of Long Road and to West of Clacton Road Mistley Essex CO11 2HN.	Reserved matters application with details of appearance, landscaping, layout and scale pursuant to the residential element of outline permission (17/01181/OUT - Approved under appeal APP/P1560/W/19/3220201 and separately 21/00213/OUT) including up to 485 dwellings, up to 2 hectares of employment land (A2/A3/B1/B2; B8; D1 uses), with associated public open space and infrastructure.	Approved	EXCLUDE: Granted December 2021 - No traffic and transport documents associated with this planning application.
21/02042/EIASCR	Land adjoining Ipswich Road and Wick Lane Ardleigh Essex CO7 7QL	EIA Screening request for proposed food storage and distribution facility and associated parking, logistics yard and offices.	Closed	This planning application has been excluded within the Traffic and Transport cumulative assessment as of Feb 2022 the application was closed.
22/00958/FUL	Land South of Long Road Mistley Essex CO11 2HN	Proposed local convenience store and 80 no. dwellings and associated roads, hardstanding, fencing, outbuildings and drainage.	Approved	EXCLUDE: Granted March 2023. The flows associated with this planning application would not affect our PARs or

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
				connecting links associated with the Project.
24/00255/FUL	Gods House Farm Harts Lane Ardleigh Colchester Essex CO7 7QQ.	Planning Application - Construction of one x 2 bedroom and two x 3 bedroom dwellings with associated boundary treatments, hard and soft landscaping and EV charging points (in lieu of Class Q prior approval for one x 1 bedroom, one x 2 bedroom and one x 3 bedroom dwellings). Re-Submission of withdrawn application - 23/01152/FUL.	Approved	EXCLUDE: Granted May 2024. No traffic and transport documents associated with this planning application.
231153	Land to the east of, Newbarn Road, Great Tey.	Erection of 30 dwellings and 1 ha of public open space and access from Newbarn Road.	Approved	EXCLUDE: Granted December 2023. No traffic and transport documents associated with this planning application
231776	Land South of, School Road, Langham Colchester, CO4 5PA - Rose Builders – Mr Will Vote	Outline application for erection of 30 houses with a new access onto School Road, Langham. All matters reserved.	Approved	EXCLUDE: Granted August 2023. No traffic and transport documents associated with this planning application
240279	Last East of, Fiddlers Hill, Fordham Heath Colchester.	The restoration of wetland features and habitats at Fiddler's Hill Meadow through naturalising the river with its floodplain by lowering the river bank at two locations (maximum 60cm deep) and the excavation of very shallow scrapes (maximum 30 cm deep) and ponds (maximum 90 cm deep). Extension of fen habitat (maximum 30	Approved	EXCLUDE: Granted January 2025. No traffic and transport documents associated with this planning application.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		m deep), tree planting and the installation of interpretation boards. Re-use of excavated soil on site outside of the flood zone to extend scrub, hedgerow and woodland habitats.		
200995	Land to the rear of 306 to, 314 London Road, Stanway Colchester CO3 8LT.	Phased construction of 31 single and two bedroom Almshouses in one and two storey configurations with associated access, parking and external works. Demolition of existing alms houses.	Pending	EXCLUDE: No traffic and transport documents associated with this planning application.
201503	Land to North/South of, Tollgate West, Stanway Essex.	Application for approval of reserved matters following outline approval (193133).	Approved	EXCLUDE: Granted October 2020. No traffic and transport documents associated with this planning application.
201686	Land south of West Bergholt Cricket Club, Colchester Road, West Bergholt Colchester.	Outline application for up to 18 dwellings with access to be determined and all other matters reserved.	Approved	EXCLUDE: granted December 2021. Traffic flows associated with this planning application does not affect the PARs or connecting links associated with the Project.
250273	Land Adjacent To 32, Colchester Road, West Bergholt Essex CO6 3JG.	Full application for 61 dwellings and associated roads, hardstanding, fencing, outbuildings, drainage, pump station and electrical substation.	Pending	EXCLUDE: Traffic impact assessment was undertaken for 2029 on Colchester Road site access. No additional information on how it is distributed along the network.
250545	Land North of, Coach Road, Great Horkesley Colchester.	Outline planning permission (all matters reserved, except for access) for up to 150 dwellings (including affordable housing), a car park, public	Pending	EXCLUDE: Development assessment year is 2030, therefore, does not coincide with the Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		open space, landscaping, children's play area, sustainable drainage, infrastructure and all other associated infrastructure		
21/00850/OUT	Land West Of Boars Tye Road Silver End Essex.	Outline planning permission with all matters reserved apart from access, for up to 94 dwellings and new landscaping, open space, access, land for allotments and associated infrastructure.	Approved	EXCLUDE: Appeal approved October 2021 - year tested to be operational is 2026, therefore would ideally need to be included within our baseline. However, the traffic distribution provided is only along Boars Tye Road (access location) towards Galleys Croner, thus the distribution along the highways network beyond this is not known. Consequently, the information provided is insufficient to be accurately included within the cumulative assessment
24/02673/FU	Land South West Of Cressing Temple Witham Road Cressing Essex.	Solar Farm with up to 13.8 MWac of export capacity, comprising the installation of solar photovoltaic panels and associated infrastructure including customer substation, DNO substation, inverter and transformer substations, customer cabin, spare parts container, storage containers, maintenance tracks, fencing, security cameras, landscape planting, swales and associated works including grid connection.	Approved	EXCLUDE: Granted June 2025 - construction year / programme is not mentioned. The construction period will last approximately four and a half months (18 weeks). Minimal flows associated with the development, with construction worker trips to be finalised.
22/01324/EIASO	Zone 3, Chelmsford Garden Community,	Chelmsford Garden Community – Zone 3 (Halley Developments) – Request for an EIA Scoping Opinion for an outline planning application with all matters	Decision – EIA Required	EXCLUDE: Decision that EIA is required decided on September 2022 - details are only for a scoping report. Therefore,

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Beaulieu Parkway, Chelmsford.	reserved, for a mixed-use garden community comprising up to 1,500 dwellings and up to 100 units of retirement accommodation, public open space including the Channels Discovery Park, formal sports pitch provision and pavilion, new roadways, pedestrian and cycle routes, access roads, transport infrastructure including buses, bus gates and connections to mobility hubs, diversion of some existing Public Rights of Way and the stopping up of some lengths of public highway.		insufficient to be included within our assessment.
21/02050/CM	Broomfield Hospital, Hospital Approach Broomfield Chelmsford CM1 7ET.	CNEB: A single carriageway road between Roundabout 4 of the Beaulieu Park Radial Distributor Road (RDR1) and a new roundabout on the A131 at Chatham Green plus dualling of the existing A131 between Chatham Green and Deres Bridge roundabout. With one intermediate roundabout, 3 road overbridges and 1 pedestrian/cycle/horse overbridge. Together with other associated works and landscaping.	Unknown	EXCLUDE: decision was issued April 2022. No traffic and transport related documents.
21/02490/OUT	Banters Field Main Road Great Leighs Chelmsford Essex.	Application for outline planning permission for the development of an integrated retirement community comprising up to 190 units (C2 use)	Pending	EXCLUDE: assessed 2027 as the future year. Traffic flows associated with this planning application are minimal.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		with all matters reserved except for access.		
22/01113/SCOPE	Land At Moulsham Hall Moulsham Hall Lane Great Leighs Chelmsford Essex.	Scoping opinion for the proposed development at Strategic Growth Site 7a: Great Leighs - Land at Moulsham Hill.	Pending	EXCLUDE: planning documents are only sufficient for a scoping report. Therefore, insufficient to be included within our assessment.
24/00695/FUL	Land South East Of Banters Lane Business Park Banters Lane Great Leighs Chelmsford.	Construction of 105 residential dwellings including affordable housing and custom build housing (Use Class C3) and principal means of site access, provision of resident's and visitor car parking, open space including children's play space, a new shared pedestrian/cycle route, enhancements to existing routes, hard and soft landscaping, highways works, new drainage basin, and all associated infrastructure works	Pending	EXCLUDE: the traffic assessment was undertaken for the future year of 2041. The flows associated with this planning application are not anticipated to coincide with the Project peak construction activity.
23/01751/OUT	Zone 2 Chelmsford Garden Community Beaulieu Parkway Chelmsford.	Outline planning consent for a mixed use Garden Community to be delivered in severable phases with all matters reserved (save for where full details are submitted for a new access junction from Beaulieu Parkway - RDR1) for residential development; mixed use development comprising employment, commercial, retail, leisure, community and education facilities; specialist residential accommodation for the elderly; serviced land for a travelling show people site; green and blue	Pending	EXCLUDE: the traffic assessment was undertaken for the future year of 2041. The flows associated with this planning application are not anticipated to coincide with the Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		infrastructure including a new Nature Park, public open space and sports facilities; sustainable transport infrastructure including two active travel bridges crossing Chelmsford North East Bypass; new highways including part of the Northern Radial Distributor Road; utility and infrastructure work; site restoration and preparation works and demolition of structures; and associated and ancillary development.		
23/00124/OUT	Zone 3 Chelmsford Garden Community Beaulieu Parkway Chelmsford	Application for Hybrid planning permission at Powers Farm, Chelmsford; Outline Planning Permission with all matters reserved except means of accesses from/to the proposed Northern Radial Distributor Road (NRDR). Residential development of up to 1250 units, which comprises market/affordable and single family rental / Build to Rent. Provision of Discovery Park North which will include open space, landscaping, formal sports pitches, pavilion and associated car parking. Internal vehicular carriageways, footways, cycleways and all pedestrian routes with associated landscaping and green infrastructure. Phased development (each and every phase (and/or sub-phase) being a	Pending	EXCLUDE: the traffic assessment was undertaken for the future year of 2041. The flows associated with this planning application are not anticipated to coincide with the Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		separate and severable part of the development. Detailed planning permission for two spine roads north/south carriageway(s), cycleway(s) and footway(s) from/to the proposed Northern Radial Distributor Road North (NRDR) and one east/west spine road to Great Belsteads Village. Drainage and SUDs throughout the development with all associated engineering works including strategic ground re-profiling, stockpiling, and below ground works		
21/01545/OUT	Land North Of Warren House Roxwell Road Writtle.	Outline application for Strategic Growth Site 2 comprising up to 880 new homes, primary school with co-located early years and childcare nursery, travelling showpersons site for five serviced plots, sports facilities including a pavilion/community centre, neighbourhood centre (including retail, community, healthcare, office and residential uses), plus associated landscaping and habitat creation, public open space and play facilities, roads and infrastructure (all matters reserved except access), together with a detailed scheme in the south east corner for Phase 1A comprising 311 no. houses plus associated roads,	Pending	EXCLUDE: the traffic assessment was undertaken for the future year of 2032. The flows associated with this planning application are not anticipated to coincide with the Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		parking and infrastructure (Landscaping reserved for Phase 1A).		
23/01519/FULL	Land Lying To The West Of Heath Close Billericay Essex.	Erection of 32no. Houses and a 30 unit sheltered housing facility with associated access and a pumping station.	Pending	EXCLUDE: opening year and trip distribution along the highway network is unclear. The information provided is insufficient to be accurately included within the cumulative assessment
24/00729/FULL	Land To The East Of Lower Dunton Road Dunton Basildon Essex.	Redevelopment of the site to provide 146 residential dwellings (Class C3); provision of strategic landscape; provision of new vehicular and pedestrian access routes and associated infrastructure.	Pending	EXCLUDE: Assessed years for traffic flows are 2029 and 2034 which are outside the the Project construction peak activity.
20/01614/OUT	Land North Of Kennel Lane Billericay Essex.	Outline planning application with all matters reserved, except means of access, for the erection of up to 200 homes; new vehicular access comprising a new arm off the Laindon Road, A176 and Noak Hill Road roundabout; realignment of Kennel Lane to join the new access and associated closure of the Kennel Lane spur; together with car parking, landscaping, surface water drainage basins and associated works.	Pending	EXCLUDE: Assessed years for traffic flows are 2029 which is outside the the Project construction peak activity.
21/00758/FULL	Crouch Solar Farm Site Dunton Road Dunton Basildon Essex.	Construction and operation of a solar farm together with all associated works, equipment and necessary infrastructure.	Approved	EXCLUDE: Granted Jan 2022 - Crouch Solar Farm which has been constructed. Minimal operation flows anticipated with regard to this application.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
22/00748/FULL	Test Track At Ford Research And Engineering Centre West Mayne Dunton Basildon Essex.	Construction of a solar farm of 4.5 MWp comprising of ground mounted solar panels and associated works along the test track at Ford Research and Development Centre.	Approved	EXCLUDE: Granted February 2023 - no traffic assessments included within the planning application. Therefore, insufficient information available to be included within our assessment.
24/01239/FULL	Land At Lower Dunton Road Langdon Hills Basildon Essex.	Proposed up to 368 MW battery storage facility (BESS) and associated infrastructure including cabling, boundary treatment and access works.	Pending	EXCLUDE: Awaiting decision - does not affect PARs and traffic distribution along the A13 is not provided. However, daily construction flows are anticipated to be low (4 delivery vehicles per day, peak of 20 staff will be employed at the construction site although most will travel to site via minibuses). Once operational the site will generate a single maintenance vehicle every one or two weeks. The vehicle will be a transit sized van.
24/00762/OUT	Land West Of Laindon Road Billericay Essex.	Outline application with all matters reserved except access onto Laindon Road for the erection of up to 250 homes; new vehicular access off Laindon Road; new pedestrian and cycle access points; together with car parking, landscaping / green infrastructure, surface water drainage basins and associated works.	Approved	EXCLUDE: Granted April 2025. Assessment was undertaken at junctions, however, the appendices containing the information we would need to include within our assessment does not appear to have been uploaded/submitted within the planning application.
25/00464/OUT	Land At Greens Farm Lane Billericay Essex.	Outline planning application with all matters reserved except for access, for the construction of up to 310 residential	Pending	EXCLUDE: Awaiting decision. Transport assessment was undertaken for the years 2029 and 2034. It does not appear to affect the Project PARs. Additionally, the traffic

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		dwelling within two separate parcels of land - Northern Parcel - up to 255 dwellings including affordable housing, together with vehicular access from Greens Farm Lane, pedestrian/cycle access from Outwood Common Road, a sustainable drainage system with associated earthworks; a circa 8.7 hectares of parkland together with other incidental green spaces (including for recreation, play space and biodiversity), internal footways, cycleways roads, utility buildings and ancillary structures. Southern Parcel - up to 55 dwellings including affordable housing, together with vehicular access from Greens Farm Lane, a sustainable drainage system with associated earthworks; incidental green spaces (including for play space and biodiversity), internal footways, cycleway, roads, utility buildings and ancillary structures.		information provided is insufficient to be applied to our cumulative assessment.
25/00500/SCOPE	Land North And South Of Dunton Road Laindon Essex.	EIA Scoping Opinion Request for a residential led mixed use development. The Proposed Development will comprise up to 1,100 residential dwellings, a local centre comprising business, retail, leisure, sports and hot food takeaway uses, community uses,	Closed	EXCLUDE: This planning application has been excluded within the Traffic and Transport cumulative assessment. Application closed May 2025.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		a Primary School, public open space, vehicular accesses and associated infrastructure groundworks and engineering operations.		
25/00541/OUT	Land West Of Mandeville Way Laindon Basildon Essex.	Outline Planning Application (all matters reserved except for means of vehicular access into the site from Mandeville Way and Lower Dunton Road) for residential development of up to 375 dwellings (Use Class C3) and an early years childcare facility (Use Class E), together with car parking, public open space, landscaping, drainage, and other associated works.	Pending	EXCLUDE: Awaiting decision - the future baseline is 2030 which does not coincide with the the Project construction peak activity
19/00782/EIASO	Horndon Industrial Park Station Road West Horndon Essex	EIA – Screening Opinion – Development of the site to include a mixed-use, residential led scheme including the provision of up to 750 new residential units (comprising a mixture of houses and apartments) with approximately 2700 m ² of retail/A1/A2/A3/A4/A5/D1/D2 and B class employment within existing buildings (Clocktower House and Systems House) that will be retained and refurbished.	Decided – EIA Not Required	EXCLUDE: Decided on June 2019, that the planning application is not an EIA development. No traffic related documents contained within the planning application.
21/01939/EIASO	Officers Meadow Chelmsford Road Shenfield Essex	EIA – Screening development for a proposed development comprising up to 825 residential dwellings, a residential care home, co-located primary school and early years and	Decided – EIA Not Required	EXCLUDE: Decided no EIA required Dec 2021. No traffic related documents associated with this planning application.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		childcare nursery and employment land.		
23/01393/EIASO	Land to the South of West Horndon Railway Station Station Approach West Horndon Brentwood Essex CM13 3TZ - James Jaulim	EIA Scoping Opinion for the proposed development at land within and south of West Horndon Station.	Decided – EIA Not Required	Scoping opinion issued in Dec 2023. No traffic related documents associated with this planning application.
24/01263/FUL	Land Adjacent To Billericay Power Generation.	Construction and operation of a Solar PV Farm together with ancillary infrastructure and equipment, landscaping and access.	Approved	EXCLUDE: granted April 2025. Construction route does not coincide with our PARs or connecting links. Minimal traffic associated with the operational phase.
24/02658/FUL	Proposed Solar Farm Land East Of Littlebury Coggeshall Road Feering Essex	Installation of Solar Farm with Associated works	Granted	EXCLUDE: Granted in Apr 2025 with construction likely in 2026. First month of construction period will have highest vehicle movements during site set up Minimal impact on traffic with predicted flows of eight movements expected and unlikely to coincide with Project peak construction traffic.
18/00254/FUL	Land South West of Spinney House Cow Watering Lane Writtle Chelmsford Essex	Change of use of land to equestrian grazing and construction of permeable all-weather access tracks Land South West Of Spinney House Cow Watering Lane Writtle Chelmsford Essex	Granted	EXCLUDE: Permitted in 2018 therefore expected to be operational and movements included within baseline traffic flows.

Table D.44 List of committed developments and transport schemes under consideration (Thurrock)

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
TR010032	Lower Thames Crossing (LTC)	New road crossing connecting Kent, Thurrock and Essex. Approximately 14.5 miles (23 km) in length, it will connect to the existing road network from the A2/M2 to the M25 with two tunnels (one southbound and one northbound) running beneath the River Thames	Granted	INCLUDE: High certainty given government's endorsement of the scheme and as National Highways see this as a scheme already committed through DCO. Construction flows would therefore coincide with Project peak construction activity.
EN010092	Thurrock Flexible Generation Plant. North of the existing Tilbury National Grid substation	Construction and operation of Gas Reciprocating engines with up to 600 MW electrical capacity and Battery Storage with up to 150 MW electrical capacity	Granted	INCLUDE: Construction start year was proposed as 2022. However, this has been delayed. The minimum construction period for a single-phase (three proposed) development is expected to be 12 months and maximum 24 months. Construction may last between four and a half to six years. Each phase may be back to back or there may be a gap of around nine months between phases, depending on market conditions. Construction traffic does not overlap on Project PARs. However, cumulative flow could occur at the Asda Roundabout, M25 J30 and potentially the Orsett Cock Roundabout. Junction modelling to take account construction flows
06/00663/TTGCN D	Cory Waste Management Mucking Wharf Road Stanford Le	Proposals for the restoration of the former sand and gravel working site without complying with conditions 2, 4, 14, 42 and 43 of planning permission	Approved	EXCLUDE: The proposal is deemed to have already been completed (assessment years of 2008 and 2011 within ES).

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Hope Essex SS17 0RN	APP/M1595/A/00/1035822 granted by the Secretary of State on appeal on 20 September 2001(which in turn was a planning permission to develop the site without complying with conditions 1, 6, 7, 8 and 9 of planning permission THU/806/85 dated 9 June 1986). It is proposed that modified conditions should be submitted for the above conditions		
21/01812/FUL	Land Adjacent and to the Rear of The George and Dragon East Tilbury Road Linford Essex	Detailed planning application for the construction of 230 affordable dwellings with associated parking, access, landscaping, open space and infrastructure	Approved	INCLUDE: Development planned to be fully operational in 2026. Therefore, operational traffic would overlap with Project peak construction activities.
20/01491/FUL	Sub Station Lower Dunton Road Bulphan Essex	Battery energy storage facility with associated access road, security fence and infrastructure	Approved	EXCLUDE: Evidence of construction on site using Google Street view. 20 week construction programme. Unlikely to overlap with Project peak construction activity. Also noted that minimal impact on traffic with predicted flows averaging at around 2 HGVs per day for the majority of the construction period, with eight to ten staff vehicles per day.
19/01709/FUL	Ingrebourne Valley Ltd Orsett Quarry Buckingham Hill Road Linford Essex SS17 0PP	Mineral extraction and processing at Orsett Quarry and extension into adjoining land at Walton's Hall Farm, erection of a processing plant and ancillary activities, importation and treatment of reclamation material with	Awaiting decision	INCLUDE: It is intended that the extraction/importation works would take approximately 23 years from 2019 in total to complete. Anticipated that there would be an overlap with Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		progressive restoration to farmland with landscape planting [Revised plans and documents]		
19/00052/CV	National Power PLC Tilbury Power Station Fort Road Tilbury Essex RM18 8UJ	Application for the variation of conditions No. 3 (Restoration Date) to allow extension of time to complete works, 4 (Phasing Strategy Area A2) and 5 (Phasing Strategy Area B) of Application Reference Number: 13/00497/FUL (Recovery for beneficial use of pulverised fuel ash deposited on Tilbury Power Station ash disposal site areas A2, A3 and B)	Awaiting decision	INCLUDE (Multi-modal sensitivity test only): Construction route via Tilbury Port/ Fort Road therefore does not overlap with PARs to North Tilbury construction peak activities.
23/00254/ CONDC	Units 1 To 4 Coward Industrial Estate St Johns Road Chadwell St Mary Essex	Application for the approval of details reserved by condition no. 5 (CEMP) of planning permission ref. 22/00321/FUL (Alteration to units 1-4 to form 5 units within the existing footprint of the building by reconfiguring the parenting party walls. New roof cladding and wall cladding to the front elevation. Existing wall cladding at the side and rear elevations to be repaired and redecorated. New windows and fire doors, with accessible toilets. Creation of 25 additional parking spaces.) Units 1 To 4 Coward Industrial Estate St Johns Road Chadwell St Mary Essex	Awaiting decision	EXCLUDE: Reduction in operational traffic (decrease of 12 movements). Construction deemed negligible based on the size of the proposed scheme.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
23/00257/NMA	Land Adjacent Blackshots Stadium and Stanford Road Grays Essex	Application for Non-Material Amendments relating to the installation of additional plant, minor landscaping and boundary revisions and minor elevational changes of planning permission 21/01309/FUL [Development of a new secondary school with associated sports facilities, access, parking, highway improvements, landscaping and ancillary works]	Approved	INCLUDE: Development is expected to be built and fully operational in 2026. Operational traffic to include in the cumulative assessment for both PARs and Junction Modelling.
23/00554/FUL	Berth 40A Tilbury Freeport Tilbury Essex RM18 7EH	Construction and operation of a cementitious products importation, manufacture and distribution facility.	Approved	INCLUDE (Multi-modal sensitivity test only): Construction route does not overlap with PARs to North Tilbury construction peak activities.
23/01255/OUT	Land Adjacent Bulgenen House and Wick Place Cottage Brentwood Road Bulphan Essex	Outline planning application (with all matters reserved) for the erection of a Crematorium including a wetland sequestration area.	Refused	EXCLUDE: Refused Oct 2024.
23/01502/FUL	Land to the South of National Grids Electrical Substation for New Cable Tunnel Fort Road Tilbury Essex	Proposed construction a new cable tunnel beneath the River Thames between Tilbury and Gravesend to provide additional transmission capacity. Above-ground infrastructure in the form of a new CSE compound and a new head house building along with associated electricity infrastructure, access, parking,	Approved	INCLUDE (Multi-modal sensitivity test only): Construction route does not overlap with PARs to North Tilbury construction peak activities.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		boundary treatment and two overhead gantry structures for future overhead lines. Temporary compound for the duration of the project to provide parking, staff welfare facilities, delivery vehicle parking, and equipment and machinery storage, including boundary treatment and lighting.		
18/01307/FUL	Land Adjacent Tilbury Power Station Fort Road Tilbury Essex	The recovery of Pulverised Fuel Ash from Area C1 and C2 of Ash Fields using the temporary load out area and access to Station Road (Permitted under consent 18/00458/FUL) and the access via the Power Station Complex (when available) Land Adjacent Tilbury Power Station Fort Road Tilbury Essex	Awaiting Decision	EXCLUDE: Construction route does not overlap with PARs to North Tilbury construction peak activities. Although consideration given for Multi-Modal assessment and use of Tilbury Port.
19/00051/CV	Land Adjacent Tilbury Power Station Fort Road Tilbury Essex	Application for the variation of conditions no 9 (Timescales) [to Extend time period for completion from 31.12.2019 to 31.12.2032] and no 11 (Plans) [To alter phasing of restoration] of planning permission ref 17/00412/FUL (Continued re-profiling of the site to 9 metres AOD using inert reclamation material imported by river, in place of Pulverised Fuel Ash from the adjacent now redundant Power Station) Land Adjacent Tilbury Power Station Fort Road Tilbury Essex	Awaiting Decision	EXCLUDE: Construction route does not overlap with PARs to North Tilbury construction peak activities. Although consideration given for Multi-Modal assessment and use of Tilbury Port.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
24/00332/FUL	Sports Ground and Former Firemans Club Purfleet Road Aveley Essex	Development comprising the demolition of existing buildings and structures and redevelopment of the site to provide 43,640 sqm employment development (flexible B2/B8 use with ancillary B1 office); provision of new vehicular, cycle and pedestrian access routes; staff and HGV parking and associated infrastructure. Sports Ground and Former Fireman's Club Purfleet Road Aveley Essex	Awaiting Decision	INCLUDE: Construction to be completed 2027. Operational flows would coincide with Project peak construction traffic.
15/00205/OUT	Land Adjacent A13 Railway Line and Southend Road Corringham Essex	Outline planning application [all matters reserved except means of access to the site] for [a] up to 750 residential units, [b] local centre [up to 500 sq. M of retail and community uses Use Classes A1 shops, A3 restaurants and cafes, D1 non-residential institution], [c] formation of vehicular, cycle and pedestrian accesses from Southend Road together with its partial realignment and formation of a roundabout, formation of vehicular, pedestrian and cycle access from Lampits Hill, formation of... Land Adjacent A13 Railway Line And Southend Road Corringham Essex	Awaiting Decision	EXCLUDE: Uncertainty on start date for construction and overlap with Project peak construction activity. Construction/operational movements do not appear to use PAR for Project. Trip distribution hasn't been provided beyond A13 WB on slip form Southend Road.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
16/01232/OUT	Land for Development Muckingford Road Linford Essex	Application for outline planning permission with some matters (appearance, landscaping, layout and scale) reserved: Proposed development of up to 830 dwellings (Use Class C3) if the LTC is constructed (scenario 1) or up to 1,000 dwellings (Use Class C3) if the LTC does not proceed (scenario 2), a new local road network including a vehicular / pedestrian railway crossing, a primary school, local centre and new areas of open space, including formal recreation. Land For Development Muckingford Road Linford Essex	Approved	INCLUDE: Phase 1 would occur at same time as construction Project peak construction activities. Construction traffic not provided, but understood that no HGVs would arrive during AM and PM peak hours.
21/00754/MIN	Recycled In Orsett Ltd Stanford Road Orsett Essex RM16 3BB	Application for the variation of condition no's 6 (Plans),10 (Vehicle Movements) and 33 (Landform) of planning permission ref. 14/01316/MIN (Continuation of extraction of minerals (Old Haven Sand - also known by the brand name Thanet Sand) remaining from the cessation of planning permission ref: 00/00890/CONDC (pursuant to planning permission ref: THU/400/84) for a 10 year period (until 2025) together with the subsequent restoration, retention of access, retention of and phased relocation of	Awaiting Decision	INCLUDE: Initially works were anticipated to start in 2021, with restoration to be completed by 2026 (5-year period). HSE 'Do Not Advise Against' in Feb 2023 - therefore if works are yet to start and are likely to take 5-years, robust case would mean there may be an overlap with Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		a... Recycled In Orsett Ltd Stanford Road Orsett Essex RM16 3BB		
18/01404/OUT	DP World London Gateway Logistics Park London Gateway Drive Stanford Le Hope Essex	Thames Enterprise Park - Outline planning permission with all matters (except for access) reserved for the demolition, phased remediation and redevelopment of 164 hectares of former Coryton Oil Refinery to provide up to 345,500 sq. m of commercial development including Manufacturing; Storage, Distribution & Logistics (Use Class B2/B8); Energy & Waste related facilities (Use Class Sui Generis); A Central Hub incorporating a range of active uses (Research & Development, leisure, education, hotel and conferencing facilities) (Use Classes B1(b), D1, D2, C1) and ancillary retail/leisure/community facilities (Use Classes A3, D2 & Sui Generis), as well as additional land set aside for a Rail Freight Terminal; Up to 20 Hectares of Open Storage (Use Class B8); Energy Centre; Lorry Parking Facilities; structural landscaping; car parking, new road and access facilities; vehicular, pedestrian and cycle crossing over Shellhaven Creek; pedestrian crossing facilities to existing and proposed estate roads; retention of existing	Awaiting Decision	INCLUDE: Within the ES Addendum it states that the development would be constructed 2022 to 2035. However, as a decision is still pending, the actual start date is currently unknown but an assumption of a movement of the programme to start this year would mean the time period would be 2025 to 2038 which may overlap with the peak years for Project (A1013 potentially). Therefore, flows have been added accordingly to the PARs and junction models.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		jetties; and associated infrastructure works.		
24/00984/LDO	DP World London Gateway Logistics Park London Gateway Drive Stanford Le Hope Essex	London Gateway - 24/00984/LDO Notice is given that Thurrock Council proposes to make the London Gateway Logistics Park Local Development Order 2 (2025) (LDO2) granting planning permission for up to 733,776sqm of commercial and amenity floorspace of which 412,326 sqm is already consented by previous LDOs for the site. In November 2013 the Council made the London Gateway Logistics Park Local Development Order (2013) which permitted up to 829,700sqm of commercial floorspace. It expired in early November 2023 with 337,225sqm. DP World London Gateway Logistics Park London Gateway Drive Stanford Le Hope Essex	Approved	INCLUDE: The site would not be complete until after the peak years for Project (2035). This development is noted as being within the local development plan and construction traffic associated with the LG Local Development Order that may travel along the A1013 should be accounted for within the TEMPRO growth factor. However, this site was requested to be included by Thurrock Council.
24/01321/PASOL	Tilbury Green Power Port Of Tilbury, Tilbury Freeport Tilbury Essex RM18 7NU	Installation of solar PV panels on rooftops of two buildings within the Tilbury Green Power Station.	Prior Approval Granted	EXCLUDE: No traffic related documents available on the portal. However, it is linked to planning application 23/00237/CONDC which details the anticipated vehicle movements on the SRN which could overlap with the Project peak construction activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
19/01524/SCR	Langdon Hills Golf And Country Club Lower Dunton Road Bulphan Essex RM14 3TY.	Hybrid application for the redevelopment of Langdon Hills Golf and Country Club. Detailed approval sought for: a new golf academy (with driving range, tuition space and function space for 150 guests) a redesigned club house (with wellness mindfulness centre, reception space, restaurant space, bar space, function space (for 250 guests), shop, storage space, gym, swimming pool and spa, changing rooms, office space; kitchens and food preparation areas and other ancillary space). The creation of a new health led community to include, 85 no. bungalows for the over 55s (Use Class C2) 36 no. apartments for the over 55s (use Class C2) 42 no. extra care apartments and a 64 bed care home (Use Class C2), and 4 no. key worker apartments. Demolition of existing buildings (clubhouse, hotel and green keepers building) and supporting infrastructure to include, a reconfigured main car park, a new car park for the golf academy, new vehicular access from Lower Dunton Road, landscaping, new bowling green, new walkways, a new bus stop to serve Langdon Hills Golf Club St Lukes Hospice, erection of a security	Approved	EXCLUDE: Granted October 2019. Details are only for a scoping report. Therefore, insufficient to be included within the Traffic and Transport cumulative assessment.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		gatehouse and surveillance. Outline approval sought for, a new quick play golf course, up to 12 no. apartments (Use Class C3) and a new redesigned green keepers building.		
21/00781/SCR	Gothards Field Rear Of The George And Dragon East Tilbury Road Linford Essex SS17 0QT.	Request for an EIA screening opinion: Residential-led development of the 9.5 hectare site to provide up to 230 dwellings, with associated access, landscaping and open space provision	Decision – EIA Not Required	EXCLUDE: Details are only for a scoping report. Therefore, insufficient to be included within the Traffic and Transport cumulative assessment. However, associated planning application 21/01812/FUL has been included within the Traffic and Transport cumulative assessment. Development planned to be fully operational in 2026. Therefore, operational traffic will overlap with the Project peak construction activities.
18/00549/SCO	Tilbury Energy Centre Fort Road Tilbury Essex.	Planning Inspectorate Consultation to the Local Planning Authority for an EIA Scoping opinion for a future Development Consent Order to develop a new Combined Cycle Gas Power Station with a generating capacity up to 2500 megawatts (MW), Open Cycle Gas Turbines with a generating capacity up to 300 MW and an energy storage facility, all on the Tilbury Power Station site.	Decision – EIA Not Required	EXCLUDE: Decision that EIA is required in May 2018 - details are only for a scoping report. Therefore, insufficient to be included within our assessment.
22/00812/SCR	Thurrock Flexible Generation Plant	Request for EIA Screening Opinion with regard to the proposed development of Thurrock Hydrogen	Decision – EIA Not Required	EXCLUDE: Decided that EIA is not required in July 2022 - details are only for

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
	Fort Road Tilbury Essex.	Plant, a facility for the production of hydrogen by electrolysis, on land southwest of Station Road in Tilbury, Thurrock.		a screening report. Therefore, insufficient to be included within our assessment.
23/00897/SCO	Land Adjacent Sandown Road Collingwood Farm Quarry And East Quarry Stanford Road Orsett Essex.	Request for a Scoping Opinion pursuant to Part 4(15) of the Town and Country Planning (EIA) Regulations 2017: Proposed residential-led mixed-use development comprising of approximately 775 residential dwellings (Class C3), with a new village centre and public square; land for a junior school; sports pitches; external amenity spaces; eco-parkland for informal recreation and nature conservation; new pedestrian routes and cycleway connections; landscaping; and associated works.	Decision – EIA Not Required	EXCLUDE: Decision that EIA is required in August 2023 - details are only for a scoping report. Therefore, insufficient to be included within the Traffic and Transport cumulative assessment.
23/01321/SCO	Land South Of Borough Boundary And East Of Dunnings Lane West Horndon Essex	Request for a Scoping Opinion pursuant to Part 4(15) of the Town and Country Planning (Environmental Impact Assessment) Regulations 2017: Proposed development of up to 2,000 homes; up to 1,500 sqm of commercial/retail floorspace; a primary and secondary school; open space, including landscaping and greenspace; and enabling infrastructure to accommodate the proposed development comprising the access and road from the A128, along	Decision – EIA Not Required	EXCLUDE: Decision that EIA is required in January 2024 - details are only for a scoping report. Therefore, insufficient to be included within the Traffic and Transport cumulative assessment.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		with associated infrastructure and amenities; highway works; together with all associated works, including temporary meanwhile uses.		
24/01051/OUT	Land South of Borough Boundary and East of Dunnings Lane West Horndon Essex	Outline planning application with all matters reserved except access, for the creation of a new settlement and multi modal transport hub adjacent to West Horndon Railway Station. The new settlement would include a range of interdependent uses to create a sustainable new settlement including community uses (Use Class F1 & F2), primary school (Use Class F1), hotel (Class C1), commercial uses (Use Class E), general industrial & storage (Class B2 & B8), care home and Integrated Retirement Community (Class C2); mixed tenure residential development comprising up to 2,100 dwellings (Use Class C3), a new bus and active travel route over St Marys Lane road bridge, enhancements to the Freshwell Gardens underpass, open space and public realm; new planting and landscaping, ecological enhancement works; sustainable urban drainage systems; creation of new vehicular and pedestrian accesses into the site from the A128, creation of a new vehicular, pedestrian	Pending	EXCLUDE: Awaiting decision - the future year of 2036 was used for the assessment; therefore, it does not coincide with the Project construction peak activity.

Application Reference	Location/ LPA area	Description	Status	Summary of Highways Consideration
		and cycle network within the site; improvements to the existing highway and local road network; lighting; engineering works, meanwhile uses and infrastructure and associated facilities, including demolition of all existing buildings on site.		
25/00333/SCO	Land East Of Chadwell St Mary Brentwood Road Chadwell St Mary Essex.	Request for an EIA Scoping Opinion for residential development of up to 1,500 dwellings.	Decided – EIA Not Required	EXCLUDE: Decision that EIA is required in April 2025 - details are only for a scoping report. Therefore, insufficient to be included within our assessment.

Development Trip Generation

D.2.2 The trip generation for the AM and PM peak hours for each of the included developments is summarised in the following tables on the PARs.

Norfolk

Table D.55 Sheringham and Dudgeon Extension projects

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 1	A140 Ipswich Road	28	12	28	12
PAR 2	Mangreen Lane	28	12	28	12

Table D.66 Land West of The A140 Long Stratton, Norfolk

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 1	A140 Ipswich Road	639	0	685	0

Suffolk

Table D.77 Land North West of Stowupland Road, Stowmarket

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 16	A1120 Church Road / A1120 Bell's Lane	69	0	65	0

Table D.88 Ashes Farm Newton Road, Stowmarket

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 16	A1120 Church Road / A1120 Bell's Lane	52	0	48	0

Table D.99 Land North of The A1071 (Wolsey Grange)

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 22	A1214 London Road	7	0	8	0
PAR 23	A1071	15	0	18	0

Table D.1010 Land to the South of Thompson and Morgan Poplar Lane

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 22	A1214 London Road	75	0	68	0
PAR 23	A1071	50	0	45	0

Table D.1111 Land North West of Moores Lane East Bergholt Suffolk

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 24	B1070 (A12 access)	14	0	15	0
PAR 25	B1070 Hadleigh Road	14	0	15	0

Table D.1212 Bramford to Twinstead Reinforcement - Overhead Transmission Lines

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 19	B1113 Needham Road / B1113 Stowmarket Road	5	2	5	2
PAR 20	B1113 Bramford Road / B1113 Loraine Way	5	2	5	2
PAR 21	Bullen Lane	5	2	5	2
PAR 22	A1214 London Road	44	12	44	12
PAR 23	A1071	44	12	44	12

Essex

Table D.1313 Five Estuaries offshore wind farm

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 30	Bentley Road	69132	3015	69132	3015
PAR 31	Ardleigh Road / Little Bromley Road	2492	7	2492	7

Table D.1414 North Falls offshore wind farm

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 30	Bentley Road	69132	3015	69132	3015

Table D.1515 Horizon 120 Business Park Off A131 London Road Great Notley Essex

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 44	A131 Great Notley Bypass / A131 Great Leighs Bypass / A131 Braintree Road	228	0	246	0

Table D.1616 Land Opposite Sandiacres Long Green Crossing Essex

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 41	B1018 Braintree Road / B1018 Witham Road	89	0	71	0

Table D.1717 Land North of Colchester Road Coggeshall Essex

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 40	A120 Colchester Road	54	0	56	0

Table D.1818 Strategic Growth Site North of Woodhouse Lane, Broomfield, Chelmsford, Essex

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 46	B1008 Braintree Road / B1008 Main Road	21	4	21	4

Table D.1919 Strategic Growth Site, 7A Moulsham, Hall Lane, Great L Fights, Chelmsford, Essex

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 44	A131 Great Notley Bypass / A131 Great Leighs Bypass / A131 Braintree Road	22	2	22	2

Table D.2020 Land adjoining Ipswich Road and Wick Lane Ardleigh Essex CO7 7QL

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 33	Old Ipswich Road	135	26	142	20
PAR 34	Turnpike Close	5	0	14	0

Table D.2121 Systematic Business Park Old Ipswich Road Ardleigh Essex CO7 7QL

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 33	Old Ipswich Road	5	0	4	0

Table D.2222 Crown Business Centre Old Ipswich Road Ardleigh Colchester Essex CO7 7QR

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 33	Old Ipswich Road	-90	0	-96	0

Table D.2323 Crown Quarry Old Ipswich Road Ardleigh Essex CO7 7QR

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 33	Old Ipswich Road	80	80	85	85
PAR 34	Turnpike Close	2	2	12	12

Thurrock

Table D.2424 Lower Thames Crossing

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 64	A1013 Stanford Road (east of Orsett Cock Roundabout)	29	6	29	6
PAR 65	Buckingham Hill Road	59	12	59	12
PAR 66	Brentwood Road	44	19	44	19
PAR 67	A1013 Stanford Rd (west of Orsett Cock Roundabout)	16	4	16	4

Table D.2525 Land Adjacent and to the Rear of The George and Dragon

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 64	A1013 Stanford Road (east of Orsett Cock Roundabout)	14	0	14	0
PAR 65	Buckingham Hill Road	29	0	29	0
PAR 66	Brentwood Road	2	0	2	0
PAR 69	Chadwell Hill	1	0	1	0
PAR 70	Linford Rd	24	0	24	0
PAR 71	Muckingford Rd	24	0	24	0

Table D.2626 Ingrebourne Valley Ltd Orsett Quarry

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 64	A1013 Stanford Road (east of Orsett Cock Roundabout)	11	10	11	10
PAR 65	Buckingham Hill Road	22	20	22	20

Table D.2727 Land for Development Muckingford Road

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 64	A1013 Stanford Road (east of Orsett Cock Roundabout)	15	0	15	0
PAR 65	Buckingham Hill Road	32	0	32	0
PAR 66	Brentwood Road	5	0	5	0
PAR 69	Chadwell Hill	5	0	5	0
PAR 70	Linford Rd	39	0	39	0
PAR 71	Muckingford Rd	37	0	37	0

Table D.2828 Recycled in Orsett Ltd Stanford Road Orsett Essex RM16 3BB

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 63	A128 Brentwood Road	6	6	6	6
PAR 64	A1013 Stanford Road (east of Orsett Cock Roundabout)	4	4	4	4
PAR 66	Brentwood Road	7	7	7	7

Table D.2929 Land Adjacent Blackshots Stadium and Stanford Road Grays

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 64	A1013 Stanford Road (east of Orsett Cock Roundabout)	41	0	4	0

Table D.3030 DP World London Gateway Logistics Park London Gateway Drive

PAR	Link Description	AM Peak		PM Peak	
		All Vehicles	HGV	All Vehicles	HGV
PAR 64	A1013 Stanford Road (east of Orsett Cock Roundabout)	63	3	123	2

D.2.3 Table D31 below provides a summary of all identified committed development flows for the AM and PM peak hours which have been assigned to the relevant PARs.

Table D.3131 Summary of all committed development peak hour flows (all Local Planning Authorities)

PAR	Link Description	Peak Year	AM Peak		PM Peak	
			All Vehicles	HGV	All Vehicles	HGV
Link PAR 1	A140 Ipswich Road	2028	667	12	713	12
Link PAR 2	Mangreen Lane	2028	28	12	28	12
Link PAR 3	Stansfield Road / Wymondham Road	2027	0	0	0	0
Link PAR 4	B1113	2027	0	0	0	0
Link PAR 5	Wymondham Road	2027	0	0	0	0
Link PAR 6	Fundenhall Road	2027	0	0	0	0
Link PAR 7	B1134 Station Road / B1134 Long Row	2027	0	0	0	0
Link PAR 8	A1066 / A1066 Victoria Road / A1066 Park Road / A1066 High Road	2028	0	0	0	0
Link PAR 9	A1066 High Road / A1066 Low Road / A1066 Diss Road / A1066 The Street / A1066 Thetford Road / A1066 Hurth Way / A1066 Mundford Road (alternative to PAR 8)	2028	0	0	0	0
Link PAR 10	A143 Old Bury Road	2028	0	0	0	0
Link PAR 11	Lion Road	2027	0	0	0	0

PAR	Link Description	Peak Year	AM Peak		PM Peak	
			All Vehicles	HGV	All Vehicles	HGV
Link PAR 12	B1113 Finningham Road / B1113 Walsham Road	2028	0	0	0	0
Link PAR 13	Wickham Road	2028	0	0	0	0
Link PAR 14	Eastland Lane	2028	0	0	0	0
Link PAR 15	Thornham Road	2028	0	0	0	0
Link PAR 16	A1120 Church Road / A1120 Bell's Lane	2028	121	0	113	0
Link PAR 17	A1120 south of A14 J50	2028	0	0	0	0
Link PAR 18	Mill Lane	2028	0	0	0	0
Link PAR 19	B1113 Needham Road / B1113 Stowmarket Road	2028	5	2	5	2
Link PAR 20	B1113 Bramford Road / B1113 Loraine Way	2028	5	2	5	2
Link PAR 21	Bullen Lane	2028	5	2	5	2
Link PAR 22	A1214 London Road	2028	126	12	120	12
Link PAR 23	A1071	2028	109	12	107	12
Link PAR 24	B1070 (A12 access)	2030	14	0	15	0
Link PAR 25	B1070 Hadleigh Road	2030	14	0	15	0
Link PAR 26	Ipswich Road	2029	0	0	0	0
Link PAR 27	Birchwood Road	2029	0	0	0	0
Link PAR 28	Wick Road / Grove Hill	2030	0	0	0	0
Link PAR 29	Perry Lane	2030	0	0	0	0
Link PAR 30	Bentley Road	2028	138	60	138	60
Link PAR 31	Ardleigh Road / Little Bromley Road	2028	24	7	24	7
Link PAR 32	Wick Lane	2028	0	0	0	0
Link PAR 33	Old Ipswich Road	2028	130	106	135	105
Link PAR 34	Turnpike Close	2028	7	2	26	12
Link PAR 35	A1341 Via Urbis Romanae	2028	0	0	0	0

PAR	Link Description	Peak Year	AM Peak		PM Peak	
			All Vehicles	HGV	All Vehicles	HGV
Link PAR 36	A134 Northern Approach Road / A134 Wildeve Avenue / A134 Nayland Road / A134 The Causeway	2028	0	0	0	0
Link PAR 37	A1124 Halsted Road	2027	0	0	0	0
Link PAR 38	Mill Road	2028	0	0	0	0
Link PAR 39	Great Tey Road	2027	0	0	0	0
Link PAR 40	A120 Colchester Road	2028	54	0	56	0
Link PAR 41	B1018 Braintree Road / B1018 Witham Road	2028	89	0	71	0
Link PAR 42	B1389 Hatfield Road	2028	0	0	0	0
Link PAR 43	Spinks Lane / Highfields Road / Spa Road / Flora Road / Faulkbourne Road / Church Hill	2028	0	0	0	0
Link PAR 44	A131 Great Notley Bypass / A131 Great Leighs Bypass / A131 Braintree Road	2028	250	2	268	2
Link PAR 45	B1008 Essex Regiment Way	2027	0	0	0	0
Link PAR 46	B1008 Braintree Road / B1008 Main Road	2028	21	4	21	4
Link PAR 47	Chatham Hall Lane	2028	0	0	0	0
Link PAR 48	Chelmsford Road	2028	0	0	0	0
Link PAR 49	A414 Three Mile Hill / A1114 London Road	2028	0	0	0	0
Link PAR 50	A1016 Waterhouse Lane / A1016 Rainsford Lane	2028	0	0	0	0

PAR	Link Description	Peak Year	AM Peak		PM Peak	
			All Vehicles	HGV	All Vehicles	HGV
Link PAR 51	A1060 Rainsford Road / A1060 Roxwell Road	2028	0	0	0	0
Link PAR 52	Vicarage road	2028	0	0	0	0
Link PAR 53	A414 Greenbury Way / A414 Ongar Road	2028	0	0	0	0
Link PAR 54	B1002 Main Road	2028	0	0	0	0
Link PAR 55	Wantz Road	2028	0	0	0	0
Link PAR 56	Ivy Barns Lane	2028	0	0	0	0
Link PAR 57	Church Lane	2030	0	0	0	0
Link PAR 58	A176 Noak Hill Road / A176 Laindon Road / A129 Southend Road	2028	0	0	0	0
Link PAR 59	A129 Sun Street / A129 London Road / A129 Rayleigh Road	2028	0	0	0	0
Link PAR 60	Dunton Road / Brentwood Road	2028	0	0	0	0
Link PAR 61	B148 West Mayne	2030	0	0	0	0
Link PAR 62	Lower Dunton Road	2030	0	0	0	0
Link PAR 63	A128 Brentwood Road	2028	6	6	6	6
Link PAR 64	A1013 Stanford Rd (east of Orsett Cock Roundabout)	2028	74	20	74	20
Link PAR 65	Buckingham Hill Rd	2028	141	32	141	32
Link PAR 66	Brentwood Rd	2028	58	26	58	26
Link PAR 67	A1013 Stanford Rd (west of Orsett Cock Roundabout)	2028	16	5	16	5
Link PAR 68	Heath Rd	2028	0	0	0	0
Link PAR 69	Chadwell Hill	2028	6	0	6	0
Link PAR 70	Linford Rd	2028	63	0	63	0
Link PAR 71	Muckingford Rd	2028	61	0	61	0

Overview of Committed Developments on the SRN Junctions Assessed

D.2.4 Table D.3232 presents a summary of SRN junctions assessed and the associated committed development traffic flows that have been included in the assessment.

Table D.3232 List of SRN junction assessed and the associated committed development(s) considered

Project Section	Region	Junction	Committed Development Traffic Flows Included in Assessment	
Section A	Norfolk	A47 Norwich Southern Bypass/ A140 Ipswich Road	EN010109	Sheringham and Dudgeon Extension Projects. SEP is to the north and east of Sheringham Shoal offshore wind farm. DEP is north and southeast of Dudgeon offshore wind farm
			2018/0112	Land West of The A140 Long Stratton Norfolk
Section B	Suffolk	A14 J50 Cedars Interchange	DC/21/03287	Land North West of Stowupland Road Stowmarket Suffolk IP14 5AN
			DC/20/01036	Ashes Farm Newton Road Stowmarket Suffolk IP14 5AD
		A14 J52 Claydon Roundabout	N/A	
Section C	Suffolk	A14 J55 Copdock Interchange	SCC/0105/22B	Brockley Wood Land off A12, Belstead, Suffolk, IP8 3JS
			DC/21/02671	Land North of The A1071, Ipswich (Wolsey Grange)
			DC/21/05110	Land To the South of Thompson and Morgan Poplar Lane Sproughton Suffolk
			EN020002	Bramford to Twinstead Reinforcement - Overhead Transmission Lines

Project Section	Region	Junction	Committed Development Traffic Flows Included in Assessment	
Section D	Essex	A12 / Birchwood Road	DC/21/06346	Land Northwest of Moores Lane East Bergholt Suffolk
			DC/21/06805	Land East of the Constable Country Medical Centre Heath Road East Bergholt Suffolk
			23/01033/DETAIL	Crown Quarry Old Ipswich Road Ardleigh Essex CO7 7QR
	Essex	A120 Harwick Road / Bentley Road	EN010115	Five Estuaries offshore wind farm
			EN010119	North Falls offshore wind farm
			EN010119	North Falls offshore wind farm
Section D	Essex	A120 Ardleigh Crown Interchange	20/00594/FUL	Land adjoining Ipswich Road and Wick Lane Ardleigh Essex CO7 7QL
			20/01783/FUL	Systematic Business Park Old Ipswich Road Ardleigh Essex CO7 7QL
			CC/TEN/31/21	Land between the A120 and A133, to the east of Colchester and west of Elmstead Market
			N/A	
Section E	Essex	A12 Severalls Interchange	N/A	
		A12 Eight Ash Green Interchange	N/A	
Section E	Essex	A120 Braintree Bypass / B1018 Braintree Road	21/03214/REM	Land Opposite Sandiacres Long Green Crossing Essex
		A120 Braintree Bypass / A131 Great Notley Bypass	21/01783/LDO	Horizon 120 Business Park Off A131 London Road Great Notley Essex
Section F	Essex	A12 J15 Webbs Farm Interchange	N/A	
Section H	Thurrock		TR010032	Lower Thames Crossing

Project Section	Region	Junction	Committed Development Traffic Flows Included in Assessment	
			19/01709/FUL	Ingrebourne Valley Ltd Orsett Quarry Buckingham Hill Road Linford Essex SS17 0PP
			16/01232/OUT	Land for Development Muckingford Road Linford Essex
			EN010092	Thurrock Flexible Generation Plant. North of the existing Tilbury National Grid substation
			21/00754/MIN	Recycled In Orsett Ltd Stanford Road Orsett Essex RM16 3BB
		A13 Stanford le Hope Bypass / A1013 Stanford Road / A128 Brentwood Road	23/01502/FUL	Land to the South of National Grids Electrical Substation for New Cable Tunnel Fort Road Tilbury Essex
			23/00257/NMA	Land Adjacent Blackshots Stadium and Stanford Road Grays Essex
			18/01404/OUT	DP World London Gateway Logistics Park London Gateway Drive Stanford Le Hope Essex
			24/00984/LDO	DP World London Gateway Logistics Park London Gateway Drive Stanford Le Hope Essex
				Lower Thames Crossing
			EN010092	Thurrock Flexible Generation Plant. North of the existing Tilbury National Grid Substation
		A1089 Dock Approach Road / Thurrock Parkway	23/00554/FUL	Berth 40A Tilbury Freeport Tilbury Essex RM18 7EH
			23/01502/FUL	Land to the South of National Grids Electrical Substation for New Cable Tunnel Fort Road Tilbury Essex

Project Section	Region	Junction	Committed Development Traffic Flows Included in Assessment	
			23/00257/NMA	Land Adjacent Blackshots Stadium and Stanford Road Grays Essex
			23/00237/CONDC	Tilbury Green Power Port Of Tilbury, Tilbury Freeport Tilbury Essex RM18 7NU
			TR010032	Lower Thames Crossing
			24/00332/FUL	Sports Ground and Former Firemans Club Purfleet Road Aveley Essex
			EN010092	Thurrock Flexible Generation Plant. North of the existing Tilbury National Grid Substation
			23/00554/FUL	Berth 40A Tilbury Freeport Tilbury Essex RM18 7EH
			21/00754/MIN	Recycled In Orsett Ltd Stanford Road Orsett Essex RM16 3BB
			23/01502/FUL	Land to the South of National Grids Electrical Substation for New Cable Tunnel Fort Road Tilbury Essex
			18/01404/OUT	DP World London Gateway Logistics Park London Gateway Drive Stanford Le Hope Essex
			24/00984/LDO	DP World London Gateway Logistics Park London Gateway Drive Stanford Le Hope Essex
			23/00237/CONDC	Tilbury Green Power Port Of Tilbury, Tilbury Freeport Tilbury Essex RM18 7NU
		M25 J30		

Abbreviations

Abbreviation	Full Reference
AADT	Annual Average Daily Traffic
BESS	Battery Energy Storage System
CNEB	Chelmsford Northeast Bypass
DCO	Development Consent Order
DEP	Dudgeon Extension Project
EACN	East Anglia Connection Node
EIA	Environmental Impact Assessment
ES	Environmental Statement
ESS	Energy Storage System
GW	Gigawatts
HGV	Heavy Goods Vehicle
HVAC	High Voltage Alternating Current
HVDC	High Voltage Direct Current
IWMF	Integrated Waste Management Facility
km	Kilometre
kV	Kilovolt
LGV	Light Goods Vehicle
LPA	Local Planning Authority
LTC	Lower Thames Crossing
MW	Megawatts
NRDR	Northern Radial Distributor Road
PAR	Primary Access Routes
PV	Photovoltaic
SEP	Sheringham Extension Project
SRN	Strategic Road Network
SuDS	Sustainable Drainage Systems
TA	Transport Assessment

Glossary

Term	Definition
Annual Average Daily Traffic flow	24-hour traffic count data averaged for all the days in the year, i.e. the total traffic flow on a road for a year divided 365.
Cable	An insulated conductor designed for underground installation.
Committed development	A development that has full or outline planning permission, or is allocated in an adopted development plan.
Construction Traffic Management Plan	Plan detailing the procedures, requirements and standards necessary for managing the traffic effects during construction of the Project so that safe, adequate and convenient facilities for local movements by all transport modes are maintained throughout the construction process.
Development Consent Order	A statutory instrument which grants consents and other rights to build a Nationally Significant Infrastructure Project, as defined by the Planning Act 2008.
Environmental Impact Assessment (EIA)	An assessment of the likely effects of a development project on the environment, which is reported in an Environmental Statement that is publicised and consulted on and taken into account in the decision on whether a project should proceed.
Environmental Statement (ES)	The main output from the EIA process, an ES is the report required to accompany an application for development consent (under the Infrastructure Planning (EIA) Regulations 2017) to inform public and stakeholder consultation and the decision on whether a project should be allowed to proceed. The EIA Regulations set out specific requirements for the contents of an ES for Nationally Significant Infrastructure Projects.
Heavy Goods Vehicle	Goods vehicles weighing more than 3,500 kg.
Kilometre	1,000 metres
Light Goods Vehicles	Goods vehicle weighing 3,500 kg or less.
Local Planning Authority	The public authority whose duty it is to carry out specific planning functions for a particular area.
Nationally Significant Infrastructure Project	Typically a large scale development of national importance that requires development consent from the Secretary of State, under the Planning Act 2008.
Primary Access Routes	Access routes on the public highway designated for use by construction vehicles (typically for HGVs) to travel from the strategic road network / major road network to the site access point.
Scoping Report	Report determining the content and extent of matters that should be covered in the Environmental Impact Assessment.
Substation	Substations are used to control the flow of power through the electricity system. They are also used to change (or transform) the voltage from

Term	Definition
	a higher to lower voltage to allow it to be transmitted to local homes and businesses.
Transport Assessment	Transport Assessment is a comprehensive and systematic process that sets out transport issues relating to a proposed development. It identifies what measures will be taken to deal with the anticipated transport effects of the Project. It is separate to Chapter 16: Traffic and Transport (document reference 6.16) (Revision B) .

Bibliography

Babergh and Mid Suffolk District Councils Planning Portal (2025)
(Online:<https://planning.baberghmidsuffolk.gov.uk/online-applications>)

Basildon Council Planning portal (2025) (online: <https://planning.basildon.gov.uk/online-applications>)

Braintree District Council Planning Portal (2025) (Online:
<https://publicaccess.braintree.gov.uk/online-applications>)

Brentwood Borough Council Planning Portal (2025) (Online:
<https://publicaccess.brentwood.gov.uk/online-applications>)

Chelmsford City Council Planning Portal (2025) (Online:
<https://planning.chelmsford.gov.uk/planning>)

Colchester City Council Planning Portal (2025) (*Online: Planning Search Result Details · Colchester City Council*)

Essex County Council Planning Portal (2025) (*Online - Available at:*
www.planning.essex.gov.uk)

Norfolk County Council Planning Portal (2025) (*Online - Available at:*
www.norfolk.gov.uk/planning)

Planning Inspectorate Nationally Significant Infrastructure Projects (NSIPs) (*Online at:*
<https://national-infrastructure-consenting.planninginspectorate.gov.uk/>)

Suffolk County Council (2025) (*Online at: www.suffolk.gov.uk/planning-waste-and-environment/planning-applications*)

South Norfolk & Broadland District Councils' Planning Portal (2025)
(Online:<https://info.southnorfolkandbroadland.gov.uk/online-applications>)

Tendering District Council Planning portal (2025) (*Online:*
<https://www.tendringdc.gov.uk/content/view-planning-applications-and-comment>)

Thurrock Council Planning Portal (2025) (*Online at: www.thurrock.gov.uk/planning-applications*)

National Grid plc
National Grid House,
Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

Registered in England and Wales
No. 4031152
nationalgrid.com