Number	Mitigation/Scheme Enhancement/Assessment	Туре	Theme	Task Force Key Priority	Timescale	People	Place	Prosperity	Justification	Key stakeholders	Key influencers	LTC project draft comments	Update 5.11.18	Update 05.02.19
1	A seine government official appointed that can broker better local  outcomes for Thurcok and the neighbouring Cauncils. Thurrock to present emerging local plan information to  LTC/MHCLG/DIT regular update meeting.	Mitigation	Policy	2	Before DCO	YES	YES	YES		Thurock Council members Members of other affected local authorities—Gravesend Borough Council, Loudon Borough of Navering, Brentwood Borough Council, Metaway Council, Kent County, Council, Essex County Council	Jackie Doyle Price Mo (Thurrock) (and Parliamentary Under- Secretary of Stafe or Health) Steven Metcalle MP (South Basidon and East Thurock) MPs for other affected areas Department for Transport (DTT) Secretary of State (SoS) for Transport	LTC agree with principle Thurnosk to present emerging local plan information to LTC/MHCLG/IDIT regular update meeting	Presentation taking place with MHCLG. Sean Nethercott arranging	Emerging Loof Plan presented to Iff at workshop on all an 2015. Follow up actions for Iff and Thurnock, including lisition with PINS (Local Plan tenm) re. consideration of Local Plan in LTC scheme
2	An Independently Chaired Design Steering Group of directly affected Local Planning Authorities should be constituted, external to the project. LTG project to engage, with a senior It Eemployee to attend the Group and agree common and local aspects of design.		Policy	2, 5, 8	Before DCO	YES	YES	YES	To provide design oversight and ensure that the negative scheme impacts on local people, place and prosperity are minimised.	Design Council: CABE Thurrock and other local authorities Highways England Strategic Design Panel	HE Strategic Design Panel [to be renamed appropriately] DfT SoS	LTC positive, although would like to change nomenclature Suggestion this is led by host authorities as external to project rather than host authorities being seen to be too embedded in project design panel. Uss need to decide who joins and who facilitates.	To be discussed with HE	Thurrock to participate in Design Panel. Next review meeting Apr 2019. Tofk for panel requested to allow extent of input to be determined.
3	To constitute a Construction Procurement Group to seek to deliver local ambition within the Social Value Act (2012) including spinding, weighting on social value (e.g. 50% Quality, 20% Price, 20% social value).  This should be included in DBFM contract to ensure embedding in the project.	Mitigation	Policy	1				YES	at all stages of the project. To ensure value to Thurrock is beyond basic incidental trade.	Thurrock Business Board Tilbury Port DP World Local business groups	Specific business led Thurrock proposition – via Thurrock Business Board?	ITC procurement team are reviewing this. TC already discouring issue with educational bodies. Needs to be linked to DBFM contract to ensure these are embedded issues. HE to invite Thurrock (and other host authorities?) to discous further.	To discuss with HE now PF2 contracts will not be progressed.	
4	Ensure that the Local Authorities the scheme falls in are the discharging authorities for all requirements and obligations associated with the DCO	Mitigation	Policy	2	Before construction	YES	YES	YES		Thurrock Council Other affected local authorities – Gravesend Borough Council, London Borough of Havering, Brentwood Borough Council, Medwy Council, Kent County Council, Lessex County Council	Off Other local authorities who have worked with HE DCOs? E.g. South Cambridgeshire District Council, Huntingdonshire District Council, Cambridgeshire County Council?	HE will progress on basis that DIT is the discharging authority. This is to be discussed further via draft DCO.	Will be discussed at future HE technical meeting	HE put on notice of this desire. AE arranging meeting with HE and PINS (DCO team)  Meeting with other affected LAs 07/02/19
5	That is Mon development boundary reserva in one hisbat inshired, woodlands or welfard. That each change has a conformed patent of materials and planting selected by the design sterring group and that, all such mingstands be preserved in preserved in preserved in preserved in preserved in the hisbat in migratury. That I has hafter a could allow the provision of substantial mingstant, where require for mingsta impacts in continging natural resources and reception but would also become that TCC is adequately streemed for the ries development being proposed in the emerging "Thirmock Local Year."	Scheme Development & Design	n Policy	5, 7	Before DCO		YES	YES	designed to minimise its adverse visual and environmental impacts	Essex Wildlife Trust Thames Chase Trust (Community Forest) Forestry Commission	HE Strategic Design Panel	TC would like to know more about the reacoining for this.  I indicated this related more to estign than to militgation.  AE suggested LTC action to consult on boundary.	Cannot justify this and there are no powers to deliver it. Needs to be looked at again	Ibm buffer not deliverable. Discussion of design palette, mitigation and enhancement proposals at specific key locations is included in HE technical meeting schedule
6	HIA working group to be established with representatives from all local authorities to influence the methodology and control of the HIA. HS should produce a comprehensive Health Impact Assessment for LTC. From that HA should seek agreement from the Stering Group a mitigation / enhancement strategy. This would include a strategy for engaging vulnerable groups, schools / low income households etc.		Human Health	7	Before Statutory Consultation				To fully understand and mitigate the potential implications of the scheme on human health and health inequalities.		Public Health Directors Public Health England	IT are producing a Communities and Health Impact Assessment, incorporating HIA and EquA.  Să indicated that the Directors of Public Health are to get together to define what they are expecting.  IT indicated that there is a chance to influence the methodology and content and suggested a working group.	There is a meeting of LA DPH representatives 14.11.18 and an HE meeting on 23.11.18	Health Advisory Group meeting held 29 Jan 2019. Next meeting scheduled Apr 2019
7	Determination of the scheme impacts on human health and the environment by conducting footnaminated Land Risk Assessments of all potential sources of contamination such as landfills and brownfield sites along the route. Chemical, Radiation and Environmental Hazards should also be addressed.	Assessment	Human Health	7	Before DCO	YES	YES		To allow the impacts on human health and the wider environment to be identified, design remediation or mitigation and to provide baseline data for an ES Chapter on Ground Conditions.	Environment Agency Public Health Directors	Environment Agency	ITC—this will be included in SS and DCO Requirements. SS requested this includes consideration of Chemical, Radiation and Environmental Hazards.	Will be available as part of the DCO application documents	EHO issues included in schedule of planned HE technical meetings
8	Increasing project objectives to standards higher than "minimise adverse impacts on health and the environment" of the preliminary environmental asseline to "improve health and environment" (PIE Corporate Strategic Outcomest). Whilst LTC project predates HE Corporate Strategic Outcomest IPS Designated Funds should be used to close the gap between project and HE corporate objectives.	Mitigation	Human Health	7	Before DCO	YES	YES	YES	Meet HE's own core policies.	HE corporate	DFT SoS	NE scheme requirements pre-date the NE corporate objectives. Potential to use designated funds to push for parity.	to be discussed at HE technical meeting	Incorporated in item 6 above
9	Modeling working group of host local suthernites. TIL if appropriate) and HighTic to convened to consider issues. To release the LTC local transport moded at least 3 months prior to any Statutory Consultation and elementates it provides sufficiently accurate detail of the project impacts. The modelling to chicker.  The modelling to chicker.  The host section of transport demand such as economic growth, demographic change, travel costs and labour market participation  b) Recognise the interface with the emerging local plan () and assessment of the benefits and costs of schemes under high and low growth scenarios, in addition to the core case.  J An assessment of the benefits and costs of schemes under high and low growth scenarios, in addition to the core case.  J Allowand Scenarios of increased GVA and delivery of new homes.  J Tilbury Lisk Ed.		Transport	1,4	Before statutory consultation		YES		of the National Policy Statement (or National Networks (NeSNN).  To ensure that all impacts of the proposed scheme are fully understood by all parties.	Thurce Kenrionment & Highways  Bern CC Highway Transportation and Waste Essex C Enfrastructure and Environment Medway Council Transportation Tit.	HE DIT	HE will not release full mode but will release begobe runs and data.  Need to agree formation.  Cordon nuns for designated areas will be released as soon as possible.  Recognision of interface with meerging focal plan and  Modelling working group to be convened (see notes at end of document).	PBA to advise	Discussions with HE organing, Cordon model to be issued to Thurrock, expected misd Feb
10	That H undertake a detailed safeguarding for current and potential local flain growth semantis in terms of apacity and obtained med- wink roads and junctions and that these be safeguarded prior to DO and any included in any scheme planned studered with potential contractors. As per item 1, Thurnock to present energing local plan proposals to LT/OM/LG(DIT regist update meeting. That the Tilbury Link be thoroughly assessed on the basis that the school of the contract of the contract of the contract sould of the railway line within cutting.	Mitigation	Transport	2	Before DCO		YES	YES	To reflect Thurnock's proposals for growth and ensure that the LTC and associated works take these into account.	Thurrock Environment & Highways Tabury Port (Forth Ports) Association of South Essex Local Authorities (Local Plan)	Tilbury Port (Forth Ports) Association of South Essex Local Authorities	LTC require better understanding of emerging local plan.  See Item 1 re: presentation to MHCLG, DIT	Passive provision can be explored for junctions at Ockendon and Tilbury but is subject to local plan outcomes	Included in item 1 above:

11	Meet requirements of NFSNN para 4.3.1 "A good design should meet." Scheme development & design. To the principal objectives of the scheme by eliminating or substantially mitigating the identified problems by improving operational conditions" (i.e. @Datnfors)" institutaeeously minimizing adverse impacts. It should also mitigate any existing adverse impacts wherever possible, for example, in relation is safety or the emrorment. A good design will also be one that sustains the improvements to operational efficiency for a many years as if genticable, taking into account capital cost, economics and environmental impacts."	ransport	7	Before DCO	YES	YES		mitigate the identified problems by improving operational conditions and simultaneously minimising adverse impacts.	Thurrock Environment & Highways Natural England Environment Agency Historic England Woodland Trust Essex Wildlife Trust Thames Chase Trust (Community Forest) Forestry Commission RSPB	HE Strategic Design Panel	LTC agree with this		Included in item 2 above.
12	New 'East Facing Slips' on and off slips at the A13 Lakeside junction to Mitigation Tr cater for traffic to/from the east to be designed prior to submission of OCO and commissioned prior to start of LTC	ransport	5	Before DCO		YES	YES		Thurrock Environment & Highways DIT Highways England	Jackie Doyle Price MP (Thurrock) SoS	Thurrock are looking for different sources of funding.	Funding announced at the Conservative Party Conference to bring this forward. Will be independent of LTC	
13	a) multi-modal assessment of current and future enhanced transport network capacity— to include lighways, bus & Goath, railways, walking and cycling networks at Tilbury, Gray and Purtleet b) To actively safeguard through the turnel and at portions for rail, light rail and bus that may be required over the 150 year projected lifespan. d) To identify for each mode the best way in which modes could integrate with existing and improve public transport and the country of		5	Before DCO		YES		growth and improved accessibility for non-car travel, to provide real travel choice options, reducing social isolation, providing opportunities for physical activity and future-providing the scheme.  To provide real travel choice options, reducing continuous and future-providing the scheme.	(a) Highways England (b) Thames Estuary Growth Commission; CCC (Train operating Company, TOC), bus operators (c) CCC; bus operators (d) Timury Port, Dr World: Boad Haulage Association; Eall Feight Operating Companies (FOCs) (e) Network Rail; HE, DTT (f) CCC	Professor Sadie Morgan	Work needs to be undertaken on this asap.		Transport issues included in schedule of planned NE technical meetings To incorporate output from item 9
14	Bus priority schemes to be identified and debered across Thurnock to Mitigation encourage mode shift towards bus, improve service reliability and enhance capacity, including consideration of links to existing Kent features to rapid transit. Peedig interloange and service options for express and commuter coach services.  To be considered by Transportants fleeting Group to be set up including representatives of host local authorities, TIL (where appropriate), and ME/LYC.	ransport	5	Before DCO	YES	YES	YES	reliability, to contribute towards mitigating the impact of the scheme on local congestion	Thurtock Environment & Highways Bus operators Fast Track Steering Group (Rent County Council, Dartford Borough Council, Gravesham Borough Council, Arrio, Land Securities, ProLogis, Department for Transport, Ministry of Housing Communities and Local Government) Coach operators	Bus operators?	See item 13	to be discussed at HE technical meeting	See Item 13 - included in agenda
15	To establish a detailed micro simulation modal incorporating the Assessment Tr current crossing and LT Cto assess the impacts of the scheme on local roads and impacts on severance, and predestrian delay and amenity. Modelling working group to consider.	ransport	7	Before DCO	YES	YES		To reduce the impacts of the scheme on social isolation and to encourage active travel.	Thurrock Environment & Transportation HE	DfT	Modelling working group will be cover this.	to be discussed at HE technical meeting	See item 9 - included in agenda
16	Ensure that the route for the Thames Estuary section of the England Mitigation Coastal Path is protected and remain open during any works. On completion to upgrade that section of the Coastal Path. Public Rights of Way Working Group will be convened by HE/LTC.	ransport	7	Before construction	YES	YES		To provide access to the estuary and to encourage active travel.		DFT HE Strategic Design Panel	LTC note this. Public Rights of Way working group will be convened.	to be discussed at HE technical meeting	Included as part of local plan and transport and access agendas at HE technical meetings  AE meeting with HE legacy/benefits team
17	To the satisfaction of the Steering Group to create a proactive Public Mitigation Rights of Way improvement Plan that identifies usualize Mitigation for impacts on severance, and pedestrian/cyclist delay and amenity a) that or severance, and pedestrian/cyclist delay and amenity a) that or severance, and pedestrian/cyclist delay and emission of the Steep	ransport	7	Before DCO	YES	YES		scheme on social isolation and to encourage active travel.	Thurock Rights of Way Rambles Association British Cycling Sustrans	Ramblers Association Sustrans HE Strategic Design Panel	This is a potential opportunity for designated funds.	Severed rights of way will be reconnected as confirmed in consultation. The detail of the will be discussed as part of the ongoing design work. Officers have had discussions with if a about designated funds and are commissing with a first of inchemes parcins the commission will be about designated funds and are commissing with all first of inchemes parcins the commission will be applied to deliver improvements.	See Item 16 - included in agenda
18	Funding for Borough Wide Personalised Travel Planning (PTP) for pre Mitigation Trans do post scheme delivery.  To be considered further through Multi Modal Working Group.	ransport	7	Before construction & on opening	YES				Thurrock Environment & Transportation Thames Estuary Growth Commission	Thames Estuary Growth Commission DfT	LTC have not reviewed this.  To be discussed at Transportation Steering Group.  Potential DfT funding.	to be discussed at HE technical meeting	See item 13 - included in agenda
19	System (ITS) covering Thurrock, Darkford and Gravesham. This would be 2474 approach to managing an integreded 59k, Molth Mand LNN network. ITS to become live and dynamic and a new partnership between the three Highlymays Antonices of It, Thurrock and Konn to have a shared 8 integrated network management role in network. How management to make best use of the currect oresting, manage the state of the control of the control of the control of the control of the simply spreading congestion.	ransport	6	Before DCO				and improve connections between places, reducing congestion and associated pollution, improving productivity.	Thurrock Environment & Transportation KCC Tharmes Estuary Growth Commission	Commission	.II.—idea is to have a full single control centre for Dartford Crossings, LTC and road north and south of the river.		meeting schedule
20	To develop options for the upgrade or removal of level crossings Mitigation Tr within the Broundy, particularly West Tilbury (Station Road) and East Tilbury (Princess Margaret Road).	ransport	3	Before opening	YES	YES	YES	increased severance effects of the LTC.	Office of Road and Rail (ORR)	ORR NR DFT		East Tilbury not within scope but some form of passive provision could be provided to support a new crossing in the local plan	See Item 1 - included in agenda

21	To develop solutions to improve north south line capacity on the Ockendon Branch Line, through double tracking or additional passing places.  To be considered further at Multi Modal Working Group.	Mitigation	Transport	3	Before opening	YES YES	To improve rail connections and capacity within Thurrock, and further afield to London.		C2C DIT	This is outside LTC remit but will discuss with NR and DfT. This should be discussed further at multi modal workshop [post meeting note: should NR be invited to this workshop?].	Need to identify Thurrock officer to progress outwith LTC	See item 13 - included in agenda
22	HE to undertake the following:  a) An assessment of Thurnock: Natural Capital to identify the baseline. Thurnock would be seeking and gain of natural capital based on predict direct, indirect and cumulative impacts of the proposal.  b) Preparation of a comprehensive green and bise infrastructure stratege to consider trubs orderening Factors and results of the natural capital assessment.  c) Prepare a local Natural Capital Strategy, utilizing locally derived unban greening factors, destablish an "Environment & Carlon Bank' to distribute funds locally for offsetting impact & providing benefits to the environment.  These should be considered as part of a comprehensive package of benefits, not in isolation.		Environment	5	Before DCO YES	YES	capital value of the Borough pric	(a) Natural England, Environment Agency, Essex Wildlife Trust  (b) Natural England  (c) The Environment Bank	Natural England?	This will be covered at the Open Space, Green Infrastructure planning policy meeting.  Se emphasized the need for the package of benefits to be comprehensive and not  each workstream being considered in solution.	This work is progressing as part of the local plan studies	See Item 1 - included in agenda
23	A. Thurnot. Zeo Cerission Strategy with transition to electric whicles by 2020 to relate tools take pollutar incomentations have on a HE/OTF findsed scrappage scheme to ensure that all whicles registered within Dartford, Gravesham and Thurnot.  A Low Emission Strategy for construction, requiring the latest emission standards to be used for construction vehicles and non-road mobile machinery. Electric vehicles should be used for materials detheries and transport of the workforce across the construction area.  INE'S Designated Funds could potentially be used to achieve this mitigation.		Environment	5	Before Scheme YES Opening		To ensure that the project contributes to 74 improved Environment, in accordance will HE overarring strategic outcome, where his activities ensure a long term and sustainable benefit to the environment.		Thames Gateway Growth Commission	ATC are looking into this. Bendrial hook up are part of Mr requirements. Possibility of using designated funds for innovation over and above this. No are considering similar souses—may be benefit in a discussion.	Need to be careful with progressing this in light of the MRA in East Tilbury and the surplus TBM power supply	
24	To incorporate into the design non-traditional construction design (e.g. plastics, vibration energy generation materials) and love-moise wearing course and bonded sub bases to create a solid carriageway that will provide the quietest possible wheel/road interface.	Mitigation	Environment	5	Before DCO YES	YES	To minimise noise pollution generated by the scheme, and associated effects on health and wellbeing, and generate energy from the scheme.	Thurrock EHOs HE consultants	HE Strategic Design Panel	LTC view need to be mindful of materials life cycle but materials being reviewed by LTC project.	to be discussed at HE technical meeting	Included in construction and logistics HE technical meeting schedule
25	In line with Central Government's A Green Future: Our 25 Year Plan to Improve the Environment, and His's own Strategic Outcome "An Improved Environment—where our activities ensure a long term and sustainable benefit to the environment" deliver benefits to the environment and demonstrate how the scheme will achieve those benefits.		Environment	7	Before DCO	YES	To ensure that scheme can contribute positively to the environment and leave a positiv legacy.		DIT SoS	LTC – covered by other points	will form part of the ES	AE meeting with HE legacy/benefits team
26	To undertake a detailed review of the ambition to return significant races within the Mar Dyk to ovelland. This would remove the current priority to dredge the watercourse in favour of more modest and natural water management intervention. His should identify, in line with national planning policy, how Mar Dyk er wetting and wider ITC scheme with on increase flood risk. Provide details to demonstrate that local plausify further water flow routes are not obstructed and hereforch there will be no local increase in flood risk as a result. The scheme should seek to reduce the recidioal risk of increase flood risk as a result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The scheme should seek to reduce the recidioal risk of risk as result. The result is reduced to reduce the reduced risk as result. The scheme should seek to reduce the reduced risk as result. The result is reduced to reduce the reduced risk as result. The reduced result is reduced to reduce the reduced result as reduced results as reduced results.		Environment	7	Before DCO	YES	To remove the visual intrusion on an elevated motorway.  To safeguard local communities.  To allow susessment of the potential impacts on flood risk.  To allow the environmental impacts to be properly determined.  Establishi potential water connectivity between north and south of the River Thames to manage future potable water stress due to dimate change and growth.	S5P8	Natural England Environment Agency ISPB	ITC—this is being reviewed. The extended development boundary along the Mar Dyke takes this into account.  Discussions are being held with EA re requirement for dredging.	to be discussed at HE technical meeting.  More detail will be provided in the ES	Included in Items 5 and 27
27	Provide detail on the SUDS that are proposed to support the scheme. SUDs are required to be designed as part of an overall green-blue infrastructure strategy for the scheme. Designs to be shared by LTC with Thurrock Council when available.	Mitigation	Environment	5,7	Before DCO	YES	To allow assessment of the potential impacts on flood risk, bio diversity, groundwater and surface water quality etc. To minimise landscape, visual and biodiversity impacts.	Thurrock Environment & Transportation Environment Agency	Environment Agency	LTC – SUDS included in designs. Will share with Thurrock when available. AE asked when – LTC responded timescale TBC.	To be discussed at HE technical meeting	Included in items 1 and 5. Technical elements included as water resources in schedule of HE technical meetings
28	Determine the scheme impacts on groundwater by conducting hydrogeological risk assessments that assess both short-term (during construction) and long-term (during operation) impacts including potential effects on groundwater flow, groundwater level, groundwater abstractions, baseflow to watercourses and groundwater apulsity (contamination from brownfield sites and landfills etc along the route).	Assessment	Environment	7	Before DCO	YES	To allow the impacts on groundwater, flood risk, water resources (quantity and quality) to be identified, design remediation or mitigation and te provide baseline data for an ES Chapter on Groundwater		Environment Agency	HE – all relevant assessment being undertaken for the ES.	Will form part of ES	See item 27 - included in agenda
29	Provide details to demonstrate that the scheme is compliant with the Water Framework Directive. The majority of the nearby water bodies are 'moderate'.	Assessment	Environment	7	Before DCO YES	YES	To allow assessment of the potential impacts surface water quality.	Environment Agency	Environment Agency	LTC – WFD assessment being undertaken as part of DCO application.	Will form part of the ES	See item 27 - included in agenda

30	And cape both with rather patients, which as in Augenty with or an included with comment of that shouldes where were of that shouldes where were or that shouldes where any other comments were assumed according to feature at all locations to be agreed with the local community.  The development boundary must be at least 3 kilometre in width to ensure that there is 500 metre either side of the centre of the rath according as all the build-page requirement put forward leg. out and comes, and the build-page requirement put forward leg. out and comes, and techniques preparents put forward leg. out and comes, and the build-page requirement put forward leg. out and comes, and the build-page requirement put forward leg. out and comes and the build-page requirement put forward leg. out and comes and the state of the build-page character, through sillation with fisses the build-page page character, through sillation with fisses the build-page in the build-page character, through sillation with fisses the build-page character, through sillation with the page of the publishment of the publish	Scheme Design & Development	Environment	S	Before DCO	YES	YES	in terms of siting and design measures relative to existing landscape and historical character	Essex Wildlife Trust Thames Chase Trust (Community Forest) Forestry Commission	HE Strategic Design Panel	ETC – want to discuss the landscaping mitigation and place setting.  AE stated that the progressis need to include the local community and that the local authority should be discharging the requirement.	see previous answer about 1 km boundary. This needs to be changed	See Item 5 - included in agenda
31	Provided of additional review and constructions are less than the content of the design of the content of the design of which the first between the the design of which is a provide enhancement of local landwage destruction and accordance with landwage and green enhancement of local landwage destruction and accordance with landwage and green enhancement of the CC and to look with adjoining disparate woodlands and to detacte in the midition of new trees and therefore habitate to awards the Dueses Commonwealth Campy project. In it is defined by a deal advantational seaso of three and charges project in the lend would be accorded to the content of the and the content of the co	Scheme Design & Development	Environment	5	Before DCO	YES	YES	in terms of siting and design measures relative to existing landscape and historical character and function, landscape	Essex Wildlife Trust Thames Chase for trust (Community Forest) Forestry Commission RSPB	Thames Chase Trust?	ITC dements of social and are included in the miligation. This will be for further discussion at the Open Space, Green Infrastructure planning policy meeting.		See Item 5 - included in agenda
32	Cut and cover design options prepared and costed for all sections of the router Coste to existing or proposed communities. The distinct business case for each option to be made available at a point where Darrounck can genuinely influence Ministerial discussions. Deep cut and faither cutting options at all sections of the moter Costs to existing or proposed communities, and for areas of significant visual sandscape character and be in accordance with Thurnock landscape / green infrastructure strategies.  Where additional tunnelling is not proposed (e.g. green bridges) the emphasis should be on ensuring that the design is the best it can be.	Scheme Design & Development	Environment	s	Before DCO	YES	YES	visual impacts of the scheme.	Thurnosi Enricoment and Transportation He Consultants Off Society Soci	DIT SoS	LTC will book at alignment before engaging in a discussion with Thurrock. Green bridges are being considered where there are communities near-by but no additional tunnelling. At stated if the cheme is not tunnelling then this puts more emphasis on ensuring that the scheme design is the best it can be.	to be discussed at HE technical meeting	See Item 5 - included in agenda
	Design a valent across the Mar Dhe that seeks to more closely follow the position for the part of the land, with green wringes to accommodate public rights of way crossing the route. Columns of valent / Indigent designed as vertical agenders / gener coloring, etc. Mexico Crify's Via Verde project, which uses vertical gardens using a hydroponic rainwater system, on highway pillars). Provide green bridges crossing the route to cater for both public rights of way and habitat highes. Columns of viabuct / bridges designed as vertical gardens / green columns	Scheme Design & Development	Environment	5	Before DCO	YES	YES	To reduce the visual and landscape impact of the scheme; and to contribute to cleaner air.	HE consultants	HE Strategic Design Panel	LTC is looking at the design of the Mar Dyke viaduct- see item 26.	to be discussed at HE technical meeting	See item 5 - included in agenda
34	Identify the impacts of the scheme on the Environment Agency's large flood storage area which comes under the Reservoirs Act 1975 in Tribury.	Assessment		5	Before DCO		YES YES	The works could impact on the reservoir both in terms of its operation and stability, but also in terms of the category and thus standards that it must meet, which may necessitate works to update the reservoir.		Environment Agency	This is being considered by LTC flood team.		See item 27 - included in agenda
35	IIE to undertake renewable energy generation development strategy. IIE to consider innovation/ research funding for concepts and ideas coming forward, with a view to considering use of Designated Funds for implementation.			7	Before DCO		YES	locally derived renewable power for the conversion of vehicles to electric power		Thames Gateway Growth Commission	This is not in LTC scope, notwithstanding earlier comments re: electric charging. This is not currently on the agenda but if concepts and clies to share then potentially innovation/research funding, with a view to designated funds for implementation.	Thurrock to consider how to take this forward	Not in LTC scope
36	Ensure that all identified and likely archaeology resources, built heritage, and scheduled monuments, including those from 20th century, affected are subject to full and detailed recording	Mitigation	Environment	7	Before DCO		YES	To ensure that cultural and historical records can be fully maintained.	Historic England Essex Place	Historic England	LTC – this will be included in ES and relevant Requirements.	to be discussed at HE technical meeting	Technical elements included as landscape and heritage in schedule of HE technical meetings
	Ensure that a Construction Environmental Management Plan or a Code of Construction Practice will be prepared to provide a management framework for the construction works being undertaken. The COP or CERM should be supplemented by a DCO Requirement a Local Environmental Management Plans post Order that will subject to discharge by the local planning authorities.	Mitigation	Environment	7	Before DCO	YES	YES		Thurrock Environment & Transportation Other affected local authorities— Gravesend Borough Council, London Borough of Havering, Brentwood Borough Council, Medway Council, Nent County Council, Lesser County Council Environment Agency Port of London Authority	Content to be influenced by Thurrock, other affected local	LTC – will engage in due course, TBC If CuCP or CEMP.	will be provided in due course - when?	Included at item under construction and logistics and EHO ME technical meeting schedule

38	Undertake a power and grid network study to identify how the scheme could incentivise a mode shift from petrol/dissel vehicles to electric vehicles. Modal shift issues to be considered through the Multi Modal Working Group.	Assessment	Environment	5	Before construction		YES	infrastructure is in place to enable the transition towards electric vehicles, and reduce dependency on petrol/diesel vehicles, thereby reducing air pollution and climate change impacts and human health impact.	UKPN	Commission	LTC – this should be considered in the multi modal working group.	need to be careful about this given the MRA and the power supply	
39	Establish a smart air quality monitoring network* to monitor pollutants to local opilutants all coals significant centres of activity that increase the overall local background level of emissions (pollut CO2 & particulates).  * Smart air quality monitoring provides real time data to air quality specialists at local authorities and fire for immediate analysis, as well as to local businesses and residents. It could for example allow automatic air quality affects to be sent to local residents towar about poor air conditions, or to VMS or connected which technology to restrict the speed or numbers of petrol or desel engine vehicles on specific routes.		Environment	7	Before opening	YES	YES	To monitor and improve air quality within the Borough and reduce the cumulative impact the that scheme will have.		Thurrock EHOs	LTC understating a suite of monitoring. Need to understand what "smart monitoring" would mean. Can Thurrock confirm what this is intended to mean?	Thurrock to confirm meaning	Included as item in EHO HE schnical meeting schedule
40	To investigate opportunities to restore historic minerals and landfill sites to a suitable condition to enable their use for rerestion, habitat creation and agriculture, as part of an integral green infrastructure strategy and which is in keeping with, or enhance, local landscape character.  Thurrock Council will identify potential sites available for reuse, for example Goshem's Farm.			7	Before construction		YES YES	farmland, reducing the impact of the scheme on ecology, open space and water resources, and enhance health and wellbeing.	Land owners		ITC—minerals will be one of the subjects of the planning policy discussion 11/7/18 ITC will be brining forward some proposals re-lundfills why affect. ITC are producing an arising strategy. If there are sites available for reuse that Thurrock have in mind please could there be communicated. Seve Plumb mentioned Goshem's Farm as on potential site.	To be discussed again at a HE technical meeting	
41	Upgade existing landscaping which is identified by Thurrock Council as being of lover quality. Develop a strategy for the innovative, creative and sustainable use of soil arisings for landscaping, e.g. creation of land ar features for placemaking, to enhance local landscape theaster. Provide landscape art features at agreed gatteways' to encourage countryide access / violates.		Environment		Before opening			encouraging physical activity and access to green space for health and wellbeing; and offsetting the negative visual impact of the scheme. Attract visitor economy.	Environment Agency Visit Essex	Thurrock Council?		Thurrock to identify the landscaping referred to and discuss with HE at a technical meeting	
42	Improve the Two Forts Way walking route between Tilbury Fort and Coal House Fort.  To be considered by Public Rights of Way Working Group.		Environment	7	Before opening	YES	YES	travel.	Thurrock PROW Historic England Essex Place Ramblers Association	Historic England Ramblers Association	As 16. (PROW working group to be convened).	progress to be discussed	Combine with item 16. See item 5 - included in agenda
43	Create a green link to deliver a biodiversity corrisor connecting the riverfront to Thurncu's green belt hindrand, as a "Living Landscape" (Essex Biodiversity Project initiative).		Environment	7	Before opening		YES		Thurrock Environment & Transportation Natural England Environment Agency Woodland Trust Essex Wildille Trust Thames Chase Trust (community Forest) Forestry Commission		LTC — to be picked up as part of the planning policy discussion 11/7/18	to be actioned as this was not picked up	See Item 5 - included in agenda
44	Achieve BREEAM or CEEQUAL Outstanding or other equivalent method of sustainability assessment (LTC to confirm).	Scheme Development & Design		7	Before opening		YES	Prove HE intentions on meeting it's sustainability policy through completion of environmental accreditation.			provide details.	to chase for details	To be picked up in agenda in discussion on construction and logistics
45	Implement a Zero waste target for the project.	Scheme Development & design			Before opening		YES YES	Meet government objectives on diversion of waste to landfill.		Environment Agency	LTC are using the waste hierarchy as part of their project development.		To be picked up in agenda in discussion on construction and logistics
46	Sillis, local economy and social value commission is convened to: a) Specific the nature and type of jobs required for LT and the training needs to ensure local labour market can access the majority of jobs through apperticeships and odult training and education facilities. b) Identify how to create a transport and logistics centre of excellence b) Identify how to create a transport and logistics centre of excellence c) To maximise existing and create new local supply chains including how Thurrock might become the "of size" construction host bor national projects. d) Facilitate the creation of a transport and logistics centre of excellence and advanced manufacturing centre in the borough e) Develop a practive Tourism and Recreation Strategy to mitigate the adverse impacts of the scheme There are opportunities for these issues to be included in DBFM contract to ensure embedding in the project. Further discussion with 11C required.	Mitigation	Skills, local economy and social value	1	Before DCO	YES	YES	for locally sourced labour. To ensure that the scheme positively impacts local communities in terms of skills and	DP World Local business groups	SE LEP Specific business led Thurrock proposition – via Thurrock Business Board?	LTC – as per item 3. LTC indicate there are opportunities for further discussions.	to be discussed at HE technical meeting	AE meeting with HE ispacy/benefits team Agenda item for HE's Local Authority Forum
47	HE's procurement strategy should:  a) Ensure that materials, labour and plant are all subject to local skills charter and procurement, with onus on the developer and contractor to choose local procurement where at all possible, and provide fall b) Require skills and employment glant to be creater, requiring a certain number of apprenticeships to be created (e.g., 1 Thurrock apprentice for every 20 employees across the duration of the construction period). c) Require 3 monthly monitoring reports to be produced by developer and contractors to indicate the % of those recuted, employed, engaged or infert who have within the berough; and destand of number and the strategy of the str	Mitigation	Skills, local economy and social value		Before DCO			communities in terms of skills and economy.  To facilitate locally sourced material and plant, reducing environmental impacts from transporting goods and improving Thurrock's economy.  To reduce the need to travel for construction workers and to ensure that the provision of ensure that the provision of which the Council's housing strategy.	Thurnck Business Board Täbuny Poet DP World Local business groups	Specific business led Thurrock proposition – via Thurrock Business Board?			
48	HE should undertake a full assessment to understand how future network changes can support economic benefit to Thurrock, and to help inform how and where new housing could be allocated, and any negative impacts of the LTC on housing supply. To be discussed as part of the Modelling Working Group.	Assessment	Skills, local economy and social value	1	Before DCO		YES YES	To ensure that Thurrock is able to develop its Local Plan taking into account the potential impacts of the scheme.	Association of South Essex Local	Thurrock Council	$\ensuremath{ITC}$ – this can be in the transport this can be in the transport modelling working group	to find out when this will take place	Combine with items 1 and 9

49	HE to fully study where material can be re-used for the benefit of Mitigation Thurrots, to include consideration of when the market ringit be 'swamped' with other material from cumulative scheme and identify the specific Sources for materials and detailed construction impacts of these.  Thurrock Council to identify potential materials and sites.	Skills, local economy 1, 7 and social value	Before DCO		YES		To ensure that environmental impacts are fully assessed.	Thurrock Environment & Transportation Environment Agency South East LEP Local businesses RSPB	Thurrock Environment & Transportation	LTC — to be picked up as part of the planning policy discussion 11/7/18 Thurrock to suggest potential sites.	Thurrock has provide suggested sites to HE.  To be discussed again at HE technical meeting	Combine with items 1 and 40
50	Provision of public art through innovation in construction design, Scheme development & de including 'acoustic roads', use of soil arisings for land art features, and sculptures at key landscape 'gateway'.	ign Skills, local economy 1, 7 and social value	Before DCO	YES	YES	YES	Create tourist attraction to generate revenue. Offset visual and landscape impacts.	Thurrock Council Design Council	HE Strategic Design Panel	LTC will review this as part of their design and landscape design narratives.	to be discussed at HE technical meeting	See item 5 - included in agenda  AE meeting with HE legacy/benefits team
51	HE should establish a community investment vehicle to share benefits Mitigation of LTC.	Skills, local economy 1 and social value	Before DCO	YES		YES	Provide a community investment vehicle for local residents to benefit from long term revenue of LTC.	Thurrock Regeneration	Thurrock Council	LTC – there is a benefits legacy intended, investing the income stream from tolling.	to be discussed to understand the benefits workstream and process	AE meeting with HE legacy/benefits team
52	A detailed construction-phase travel plan to ensure the supply chain fully utilises purpose-built on elia excommodation and minimises daily trips and long distance communities, Develop on accommodation strategy involving at least, 1000 units for construction worker in the local area, working with the Council to ensure that the location and type of accommodation is utilisate and must leave a positive social housing legacy. To be discussed further between LTC and Thurrock Council in the context of the emerging Thurrock Local Plan.	Sills, local economy 1 and social value	Before construction	YES	YES	YES	To reduce the impact of the scheme on emissions and congestion, and to improve worker wellbeing.	Thurrock Environment & Transportation Thurrock Housing Homes England Thurrock Regeneration	Thurrock Environment & Transportation Thurrock Housing	ITC — travel plans will be prepared for the project.  TC — travel plans will be prepared for the project.  TC are preparing their accommodation strategy, and have started considering numbers but it is early days. ITC are happy to have further discussions on this.  Examples, e.g. Hinkley and Wyffa. The exchange of local plan information will help to inform this.	to be discussed at HE technical meeting	Included in agenda in discussion on construction and logistics HE technical meetings
53	To embed the principles of the Social Value Act to work with the local Mitigation supply chain on direct opportunities flowing from LTC and that these will from the basis of developing expertise as a national centre for off- site manufacture.	Skills, local economy 1 and social value	Before construction	YES	YES	YES	To facilitate locally sourced material and plant, reducing environmental impacts from transporting goods and improving Thurrock's economy.	South East Local Enterprise Partnership (SE LEP) Thurrock Business Board Tilbury Port DP World Local business groups Port of London Authority	SE LEP Specific business led Thurrock proposition – via Thurrock Business Board?	LTC – will review further as part of the social value discussions (as per item 3)	to be discussed at HE technical meeting	Included in agenda on construction and logistics HE techical meetings AE meeting with HE legacy/benefits team
54	HE to prepare a Data Infrastructure Strategy to ressure provision of world class. It of Infrastructure for project that can then be used to roll out provision across the Borough.  This should consider emerging vehicle to vehicle (*) to 10 y and vehicle to infrastructure (*) to X) technology such as that being trialled by HE on the A2/M2.	Stills, local economy 1 and social value	Before opening	YES	YES	YES	Meet aspirations of NFSSN para 4.32 to "consider the role of technology in delivering new national networks projects". Road network will require advanced telemetrics as part of network management. This should be the spring board for developing an area wide telemetric networks (such as Lofa) to coordinate all data transfer (air quality, noise, movement etc.). Create "superfast data highway".		Thames Gateway Growth Commission	ITC – connected to the modelling working group.  Need to pick uperging 't to Y (vehicle to vehicle) and V to X (vehicle to infrastructure) technology	to be discussed at HE technical meeting	Combine with item 13