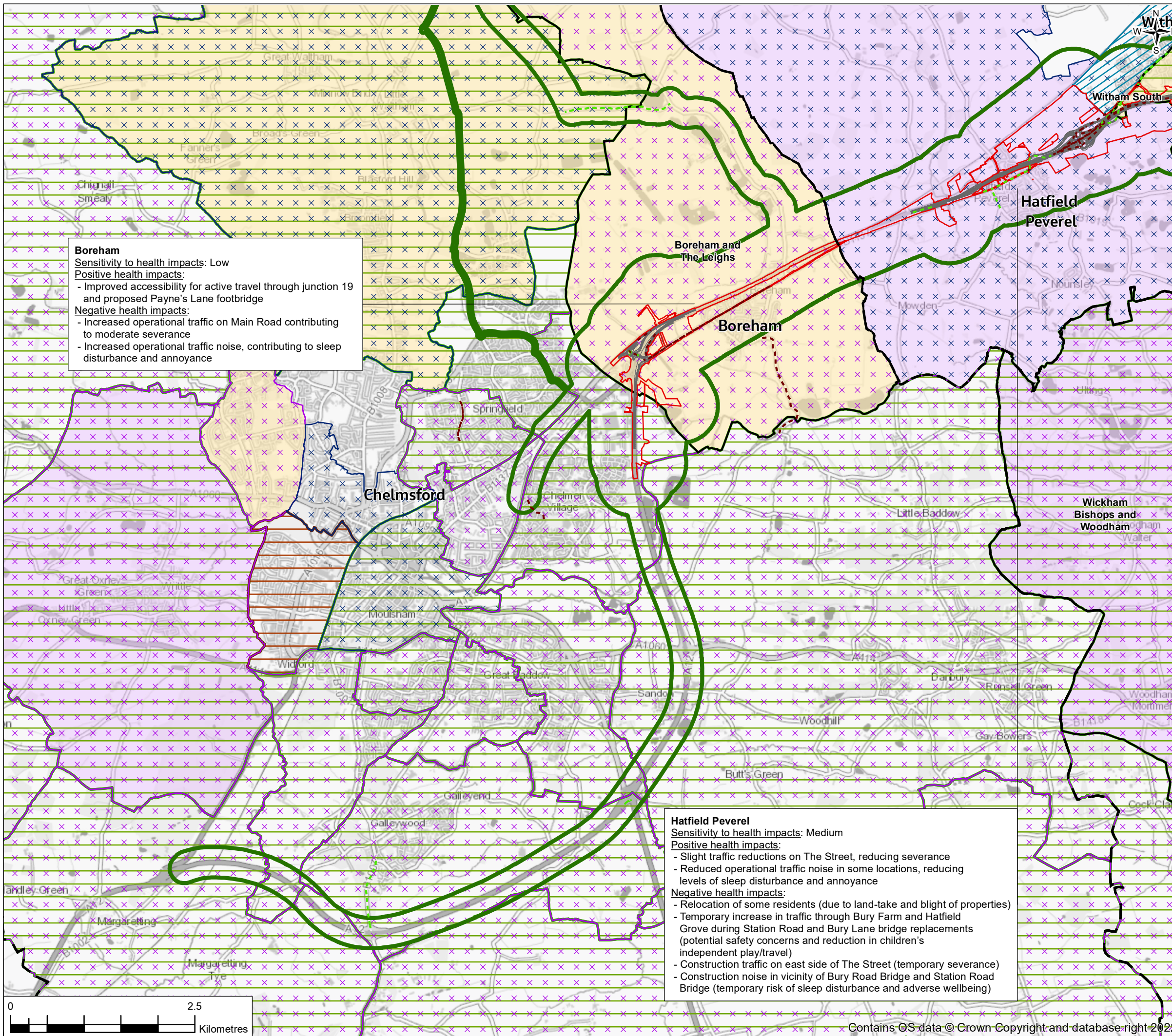


Submission ID: 13895

The map NH Health Map provided by National Highways confirms that deaths from respiratory diseases in the parish of Hatfield Peverel is significantly worse than England average and given that National Highways acknowledge through their own modelling that air quality will worsen the position is clearly unacceptable. Furthermore it has been concluded that traffic along Main Road in Boreham will increase yet along the Street Hatfield Peverel they reach the decision that it will reduce. As Main Road and the Street are the same road B1139 it is puzzling how NH could have reached this conclusion.

FIGURE 13.3

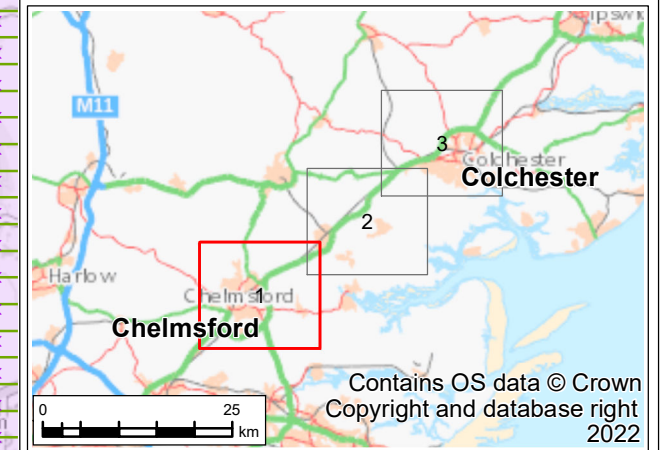


Boreham
 Sensitivity to health impacts: Low
 Positive health impacts:
 - Improved accessibility for active travel through junction 19 and proposed Payne's Lane footbridge
 Negative health impacts:
 - Increased operational traffic on Main Road contributing to moderate severance
 - Increased operational traffic noise, contributing to sleep disturbance and annoyance

Hatfield Peverel
 Sensitivity to health impacts: Medium
 Positive health impacts:
 - Slight traffic reductions on The Street, reducing severance
 - Reduced operational traffic noise in some locations, reducing levels of sleep disturbance and annoyance
 Negative health impacts:
 - Relocation of some residents (due to land-take and blight of properties)
 - Temporary increase in traffic through Bury Farm and Hatfield Grove during Station Road and Bury Lane bridge replacements (potential safety concerns and reduction in children's independent play/travel)
 - Construction traffic on east side of The Street (temporary severance)
 - Construction noise in vicinity of Bury Road Bridge and Station Road Bridge (temporary risk of sleep disturbance and adverse wellbeing)

- Legend**
- Order Limits
 - Proposed Scheme
 - Human health study area
 - District boundary
 - Ward boundary
- Change in AADT24 traffic flows**
- Increase
 - Decrease
- Health Profile Data**
- % population with long term illness or disability – significantly worse than England average
 - Deaths from respiratory diseases (SMR)– significantly worse than England average
 - Deaths from respiratory diseases (SMR)– significantly better than England average
 - Hospital admissions for COPD (SAR) – significantly worse than England average
 - Hospital admissions for COPD (SAR) – significantly better than England average
- Population aged 0-15 (%)**
- Highest quintile
- Population aged over 65 (%)**
- Highest quintile

Note:
 1. For effects on air and noise pollution during operation see Figures 6.10 and 12.5.
 2. For changes in active travel provision and access to greenspace and outdoor recreation during operation see Figure 13.3



P01	22/07/22	For DCO application	JC	MO	JW	SG
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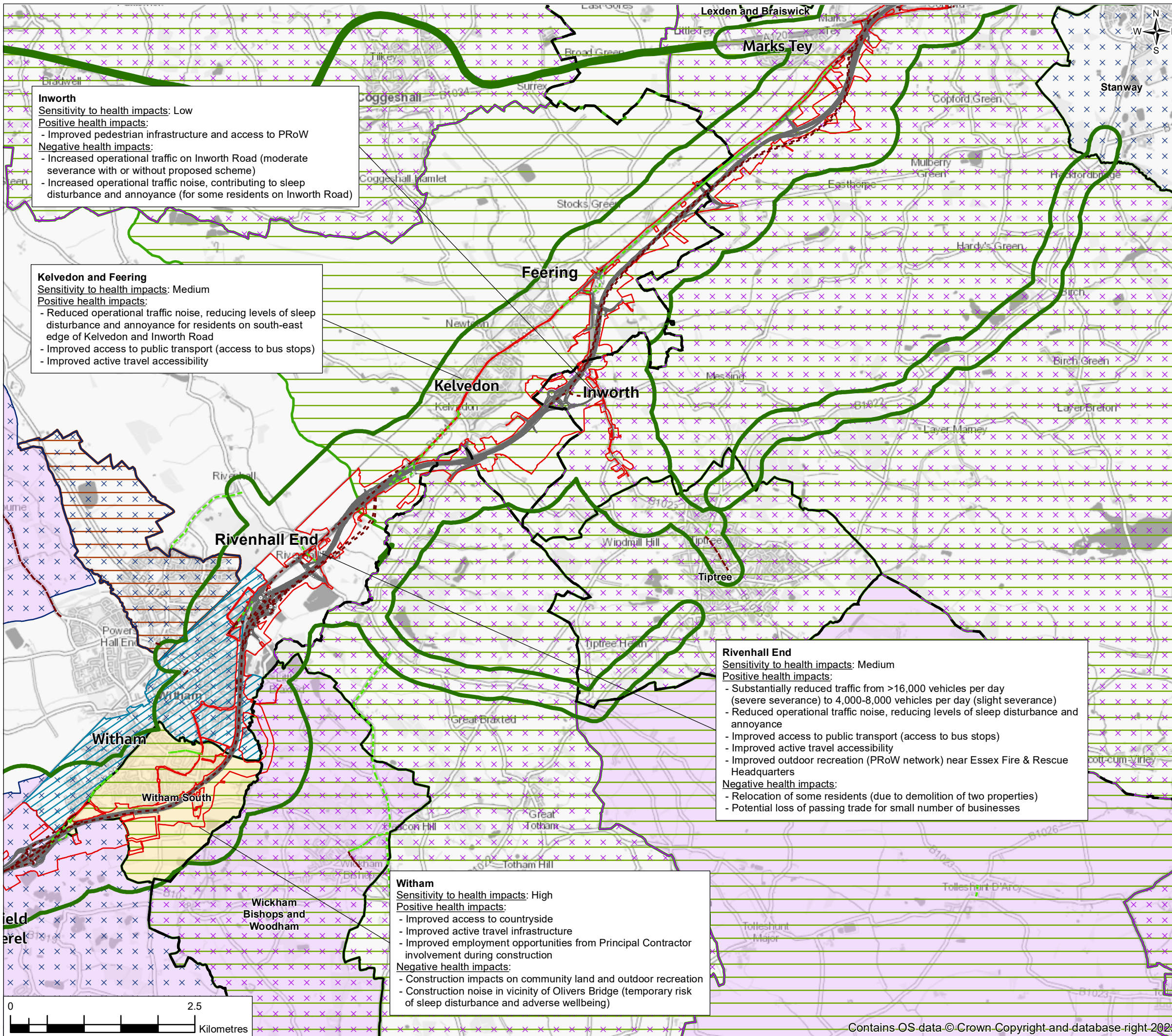
Client: **REGIONAL DELIVERY PARTNERSHIP**
A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing Title: **ENVIRONMENTAL STATEMENT**
HUMAN HEALTH BASELINE AND IMPACTS
 SHEET 1 OF 3

Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL				
Scale @ A3	1:50000	DO NOT SCALE			
Jacobs No.	B36601D1	Rev P01			
Client No.	HE551497				
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0139				



FIGURE 13.3



Legend

- Order Limits
- Proposed Scheme
- Human health study area
- District boundary
- Ward boundary

Change in AADT24 traffic flows

- Increase
- Decrease

Health Profile Data

- % population with long term illness or disability – significantly worse than England average
- Deaths from respiratory diseases (SMR)– significantly worse than England average
- Deaths from respiratory diseases (SMR)– significantly better than England average
- Hospital admissions for COPD (SAR) – significantly worse than England average
- Hospital admissions for COPD (SAR) – significantly better than England average

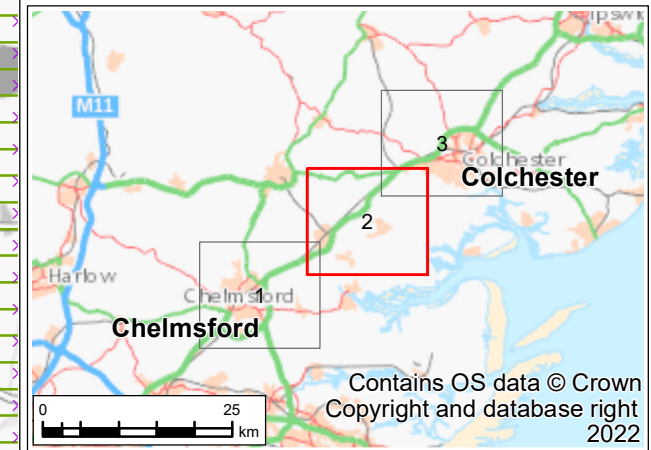
Population aged 0-15 (%)

- Highest quintile

Population aged over 65 (%)

- Highest quintile

Note:
 1. For effects on air and noise pollution during operation see Figures 6.10 and 12.5.
 2. For changes in active travel provision and access to greenspace and outdoor recreation during operation see Figure 13.3



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Development Consent Order Drawing Number: TR010060/APP/6.2
 APFP Regulation: Regulation 5(2)(a)



Project
 REGIONAL DELIVERY PARTNERSHIP
 A12 CHELMSFORD TO A120 WIDENING SCHEME

Drawing Title
 ENVIRONMENTAL STATEMENT
 HUMAN HEALTH BASELINE AND IMPACTS
 SHEET 2 OF 3

Drawing Status	S4 - SUITABLE FOR STAGE APPROVAL		
Scale @ A3	1:50000	DO NOT SCALE	
Jacobs No.	B36601D1	Rev P01	
Client No.	HE551497		
Drawing Number	HE551497-JAC-LDC-SCHW-SK-GI-0140		

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Inworth
 Sensitivity to health impacts: Low
 Positive health impacts:
 - Improved pedestrian infrastructure and access to PRoW
 Negative health impacts:
 - Increased operational traffic on Inworth Road (moderate severance with or without proposed scheme)
 - Increased operational traffic noise, contributing to sleep disturbance and annoyance (for some residents on Inworth Road)

Kelvedon and Feering
 Sensitivity to health impacts: Medium
 Positive health impacts:
 - Reduced operational traffic noise, reducing levels of sleep disturbance and annoyance for residents on south-east edge of Kelvedon and Inworth Road
 - Improved access to public transport (access to bus stops)
 - Improved active travel accessibility

Rivenhall End
 Sensitivity to health impacts: Medium
 Positive health impacts:
 - Substantially reduced traffic from >16,000 vehicles per day (severe severance) to 4,000-8,000 vehicles per day (slight severance)
 - Reduced operational traffic noise, reducing levels of sleep disturbance and annoyance
 - Improved access to public transport (access to bus stops)
 - Improved active travel accessibility
 - Improved outdoor recreation (PRoW network) near Essex Fire & Rescue Headquarters
 Negative health impacts:
 - Relocation of some residents (due to demolition of two properties)
 - Potential loss of passing trade for small number of businesses

Witham
 Sensitivity to health impacts: High
 Positive health impacts:
 - Improved access to countryside
 - Improved active travel infrastructure
 - Improved employment opportunities from Principal Contractor involvement during construction
 Negative health impacts:
 - Construction impacts on community land and outdoor recreation
 - Construction noise in vicinity of Olivers Bridge (temporary risk of sleep disturbance and adverse wellbeing)

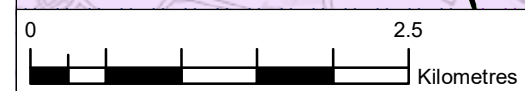
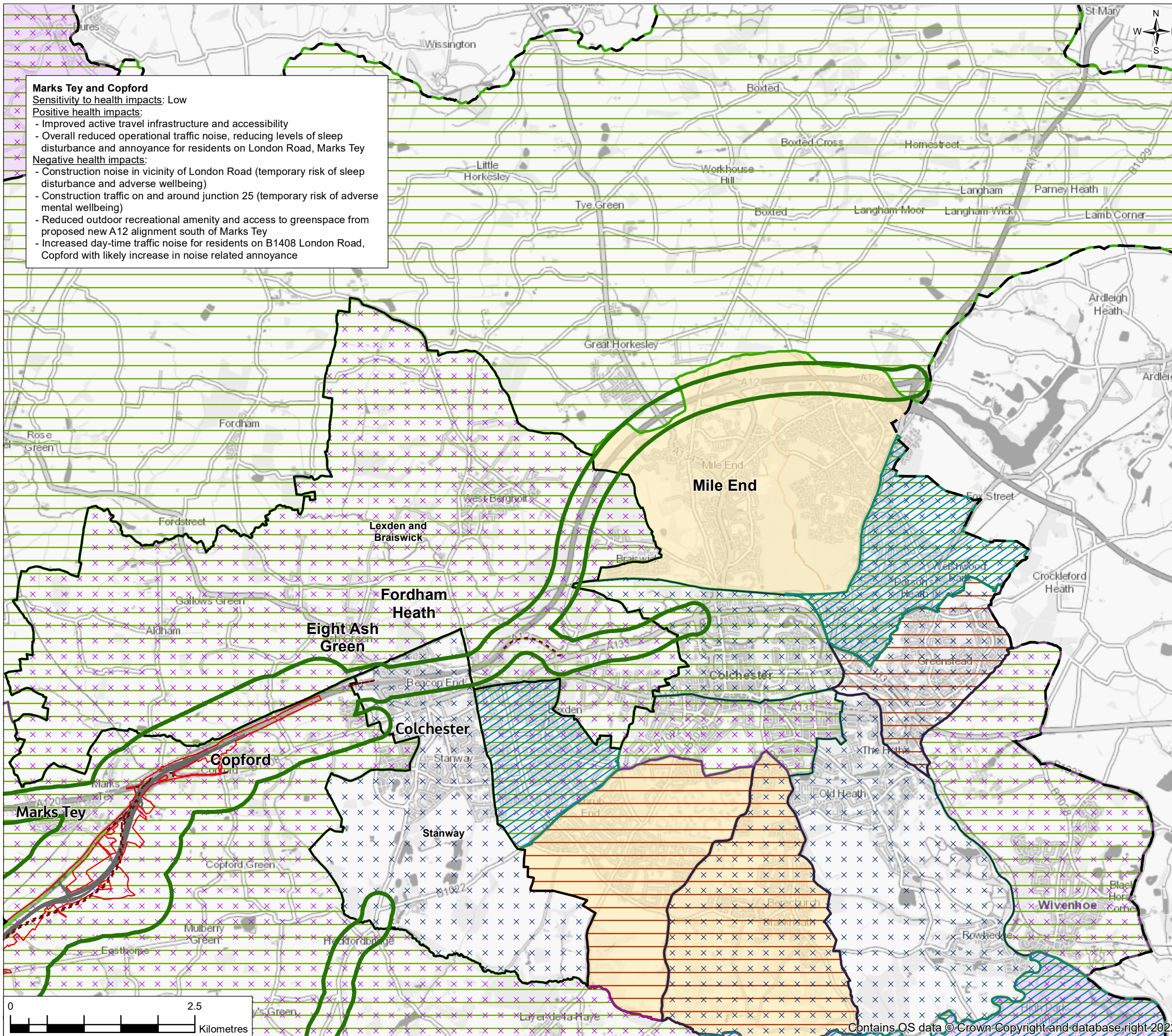


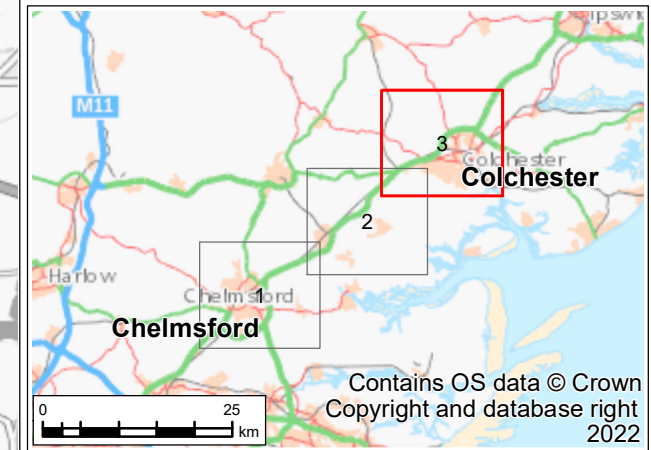
FIGURE 13.3



Marks Tey and Copford
 Sensitivity to health impacts: Low
 Positive health impacts:
 - Improved active travel infrastructure and accessibility
 - Overall reduced operational traffic noise, reducing levels of sleep disturbance and annoyance for residents on London Road, Marks Tey
 Negative health impacts:
 - Construction noise in vicinity of London Road (temporary risk of sleep disturbance and adverse wellbeing)
 - Construction traffic on and around junction 25 (temporary risk of adverse mental wellbeing)
 - Reduced outdoor recreational amenity and access to greenspace from proposed new A12 alignment south of Marks Tey
 - Increased day-time traffic noise for residents on B1408 London Road, Copford with likely increase in noise related annoyance

- Legend**
- Order Limits
 - Proposed Scheme
 - Human health study area
 - District boundary
 - Ward boundary
- Change in AADT24 traffic flows**
- Increase
 - Decrease
- Health Profile Data**
- % population with long term illness or disability – significantly worse than England average
 - Deaths from respiratory diseases (SMR)– significantly worse than England average
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 - Hospital admissions for COPD (SAR) – significantly worse than England average
 - Hospital admissions for COPD (SAR) – significantly better than England average
- Population aged 0-15 (%)**
- Highest quintile
- Population aged over 65 (%)**
- Highest quintile

Note:
 1. For effects on air and noise pollution during operation see Figures 6.10 and 12.5.
 2. For changes in active travel provision and access to greenspace and outdoor recreation during operation see Figure 13.3



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Project: REGIONAL DELIVERY PARTNERSHIP A12 CHELMSFORD TO A120 WIDENING SCHEME						
Drawing Title: ENVIRONMENTAL STATEMENT HUMAN HEALTH BASELINE AND IMPACTS SHEET 3 OF 3						
Drawing Status: S4 - SUITABLE FOR STAGE APPROVAL						
Scale @ A3: 1:50000		DO NOT SCALE				
Jacobs No. B36601D1		Rev P01				
Client No. HE551497						
Drawing Number: HE551497-JAC-LDC-SCHW-SK-GI-0141						



The National Highways Environmental Statement Human Health Baseline and Impacts Sheet 1 of 3 implies a positive health impact in Hatfield Peverel, but this must be considered against the modelling outcomes for Air Quality, which indicates a deterioration of Air Quality at all sensitive receptors including locations along The Street Hatfield Peverel as a result of the scheme, if approved. Read in isolation the Impacts Sheet might lead the reader to wrongly conclude that Air Quality is going to improve when the true overall outcome is a worsening of Air Quality in Hatfield Peverel.