## SSA EQUALITY IMPACT AND NEEDS ANALYSIS

Directorate	Environmental and Community Services
Service Area	Engineering Group 1 (traffic)
Service/policy/function being assessed	Boroughwide 20mph
Which borough (s) does the service/policy apply	Richmond
to	
Staff involved in developing this EINA	Lisa Fenn, Principal Traffic Engineer
	Chris Smith, Head of Engineering Group 1
Date approved by Directorate Equality Group (if applicable)	
Date approved by Policy and Review Manager	23/08/2024
All EINAs must be signed off by the Policy and	
Review Manager	
Date submitted to Directors' Board	23/08/2024

### 1. Summary

### Please summarise the key findings of the EINA.

When implemented in 2020, the key objectives of the boroughwide 20mph were outlined as:

- To aid the Council's wider aim to improve air quality,
- To reduce vehicle speeds on our roads, particularly on those with a record of vehicles exceeding the speed limit,
- To reduce the number and severity of accidents,
- Create environments which are more conducive to walking and cycling,
- Lead to an overall improvement in the liveability of neighbourhoods,
- Create a more consistent landscape of 20mph across London in line with neighbouring boroughs,
- Reduce the need for physical traffic calming measures.

The results of this review show that speeds are down by 2.6mph overall across the borough, air quality is improved (as a result of many factors) and total collisions are lower than prior to 20mph. Very few physical measures have been implemented, this speed reduction is primarily due to influencing driver and public behaviour and attitudes to adhering to the designated speed limit. Any new signage required would mostly have been on existing posts, however there was a necessity for some new posts to be installed. Pavement widths at these locations would have been retained to at least minimum width of 1.2m and any new posts would have been in line with existing street furniture or at the back of the footway reducing the impact on those with disabilities.

Traffic volume is also lower than previous recordings in 2018 and active travel use is increased. These improvements combined create a less hostile environment more conducive to walking and cycling which has a positive impact on all, particularly those lower and older age groups who may be more vulnerable. Further intervention measures and initiatives as outlined within the report are expected to improve conditions further in coming years.

### 2. Evidence gathering and engagement

# a. What evidence has been used for this assessment? For example, national data, local data via DataRich or DataWand

Evidence	Source
National Data	2021 Census Area Profile – Richmond upon Thames Local Authority
National Data	Children looked after in England - Department for Education - 2023
Local Data	GLA 2020
Local Data	ONS 2020
Local Data	LBR Refugee Services Team data – 2023 and AfC Schools Data - 2023
Local Data	Marmot Indicators - ONS 2018 - 2020
Local Data	Travel in London Annual Overview 2023

# b. Who have you engaged and consulted with as part of your assessment?

Individuals/Groups	Consultation/Engagement results	Date	What changed as a result of the consultation
Residents of the borough	Prior to the implementation of 20mph in 2020, a consultation was undertaken in 2018 which involved all residents of the borough and ran for 3 months. During this time the Council held a number of community conversation events boroughwide in addition to special 'outreach' meetings to allow consideration of views from residents who may not necessarily respond via the usual means. The outcome of this consultation was reported to Cabinet in February 2019.	2018	The feedback from consultation resulted in amendments being made to the scope of the 20mph speed limit, with certain A classified roads excluded to mitigate some concerns raised.

# 3. Analysis of need

Potential impact on this group of residents and actions taken to mitigate impact and advance equality, diversity and inclusion

Protected group	Findings			
Age	ONS	Census 2021		
		Geography Richmond upon Thames		
	Measures	Value	Percent	
	Age			
	Total: All residents	195,278	100.0	
	Aged 4 years and under	11,103	5.7	
	Aged 5 to 9 years	12,813	6.6	
	Aged 10 to 15 years	15,531	8.0	
	Aged 16 to 19 years	7,849	4.0	
	Aged 20 to 24 years	8,229	4.2	
	Aged 25 to 34 years	22,049	11.3	
	Aged 35 to 49 years	46,948	24.0	
	Aged 50 to 64 years	39,309	20.1	
	Aged 65 to 74 years	17,084	8.7	
	Aged 75 to 84 years	10,222	5.2	
	Aged 85 years and over	4,141	2.1	
	speed reduction, collisions are the area becomes more conduction.  It is recognised that younger respond to benefit from increased safety rearound play areas and school in number of trips per day (Travel the lower speeds and reduced benefit generally from a less in carrying out everyday activities to the local shops a more please be more inclined to walk or tall this was a possibility when in	sidents, especially schools esulting from lower sp frontages. Students m in London 2023) and v I traffic volumes. Olde timidating road netwo s such as crossing the ant experience. People we a bike (30% of responitially consulted in	cling resulting in bol children, wil eeds, especially ake the highest vill benefit from er residents wil ork and will find road or walking of all ages may ondents agreed 2018) whereas	
	previously they may have jum effect on health and wellbeing modal shift.	•		

## Disability

Self-described category	Richmond upon Thames (%)
Day-to-day activities limited a lot	4.5
Day-to-day activities limited a little	7.6
Has long term condition but not limited	6.9
No long-term conditions	81.1

It is recognised that disabled residents, particularly those with a physical disability that impairs their mobility, or a visual impairment are likely to benefit to a greater extent than other network users when traffic speed is reduced.

There will be limited physical effect on those with disabilities resulting from the 20mph scheme as no physical traffic calming measures are considered as part of this review. If following the review, there is a need for additional speed reduction measures, the features will be designed in accordance with design standards and the ramps will be gradual so as to not cause physical discomfort to drivers when travelled over at an appropriate speed.

There are signage requirements to ensure that the 20mph scheme is compliant with standards and a significant number of new signs were required. Where it was not possible to erect signage on to existing street furniture, it was necessary to install new posts. These were only installed where minimum pavements widths of 1.2m can be retained and also align with existing street furniture to minimise impact on those with disabilities.

#### Sex

ONS Census 2021			
Geography	Richmond upon Thames		
Measures	Value Percent		
Sex			
All persons	195,278	100.0	
Male	93,961	48.1	
Female	101,317	51.9	

Figures outline that the percentage of female residents is higher at

51.9%.

### **Gender reassignment**

The 2021 Census recorded that 93.98% of the population identify as the same gender as their sex registered at birth, 0.15% identify as a different gender as their sex registered at birth, 0.09% are trans women, 0.07% are trans men, 0.04% are non-binary, 0.05% are 'All other gender identities' and 5.63% abstained from answering the questions.

Marriage and civil	
partnership	

ONS Census 2021			
Geography	Richmond upon Thames		
Measures	Value Percen		
Legal partnership status			
Total: All usual residents aged 16 and over	155,834	100.0	
Never married and never registered a civil partnership	55,958	35.9	
Married or in a registered civil partnership	77,105	49.5	
Married	76,477	49.1	
In a registered civil partnership	628	0.4	
Separated, but still legally married or still legally in a civil partnership	3,005	1.9	
Divorced or civil partnership dissolved	12,518	8.0	
Widowed or surviving civil partnership partner	7,248	4.7	

Figures show that the highest percentage for partnership status in the borough is married or in a registered civil partnership at 49.5%.

# Pregnancy and maternity

ONS Census 2021		
Geography	Richmond upon Thames	
Birth rate per 1,000 females aged 15 to 44 years in 2021.	56.9	

20mph will provide a safer environment for parents who are wanting to transport their children via cargo bikes or simply navigate the footpaths with a pushchair. Babies, children, and pregnant women will benefit from reduced congestion resulting from increased numbers participating in active travel and improved air quality.

### Race/ethnicity

Measures	Richmond upon Thames (%)
White	80.5
Asian	8.9
Mixed	5.5
Other	3.3
Black	1.9

Minority groups make up a combined total of 19.5% of the population in Richmond. People of Black, Asian and Ethnic Minority groups are currently underrepresented in walking and cycling compared to people of white backgrounds (Travel in London Annual Overview, 2023). Therefore, people of Black, Asian & Ethnic Minority groups are more likely to rely on a vehicle for transportation. The benefits realised from 20mph may encourage these groups to switch to more active travel use.

Religion and belief,
including non-belief

Geography	Richmond upon Thames (%)
Christian	45.4
No religion	37.9
Not answered	7.1
Muslim	4.3
Hindu	2.1
Sikh	1.0
Buddhist	0.8
Other religion	0.7
Jewish	0.6

## **Sexual orientation**

ONS Census 2021		
Geography	Richmond upon Thames	
Measures	Value	Percent
Sexual orientation		
Total: All usual residents aged 16 years and over	155,829	100.0
Straight or Heterosexual	138,752	89.0
Gay or Lesbian	2,894	1.9
Bisexual	1,848	1.2
Pansexual	120	0.1
Asexual	93	0.1
Queer	57	0.0
All other sexual orientations	220	0.1
Not answered	11,845	7.6

Figures outline that majority of the population in the borough is heterosexual (89%), with the next indicated sexual orientation being gay or lesbian (1.9%). It should also be noted that 7.6% of people did not answer.

Across groups i.e. older LGBT service users or Black, Asian & Minority Ethnic young men.

There is no service data available to determine any findings across groups.

Socio-economic status (to be treated as a protected characteristic under Section 1 of the Equality Act 2010) Include the following groups:

- Deprivation (measured by the 2019 English Indices of Deprivation)
- Low-income groups & employment
- Carers
- Care experienced people
- Single parents
- Health inequalities
- Refugee status

## **Deprivation – Indices of Deprivation 2019**

The English Indices of Deprivation 2019 rank each small area (Lower Super Output Area) in England from most deprived to least deprived, with 1 being the most and 10 being the least. Income, employment, education, health, crime, barriers to housing and services and living environment are the seven domains of deprivation.

Between 2015 and 2019 Richmond was within the 10% least deprived Local Authorities in England and was the least deprived London Borough. The borough ranks amongst the least deprived third of LAs in England for five of the seven deprivation domains (Barriers to Housing & Services; Education, Skills & Training; Employment; Health Deprivation & Disability; Income) and is the least deprived in England for Education, Skills and Training.

Low-income groups & employment – DWP 2023			
Measures Richmond London population (%) population			
People on Universal Credit	7.9	16.2	
People claiming out of work benefits	2.3	5	

Richmond has a considerably lower percentage of residents claiming Universal Credit or out of work benefits compared to London.

### **Income and Poverty- DWP and ONS**

Measure	Richmond population (%)	London population (%)
Households living in fuel poverty (2020)	8	Not available
Children living in families with Relative Low Income (2021/22)	5.1	15

### Occupation (Carers) – ONS Census 2021

7.2% of the borough's population were providing unpaid care and 2.8% were providing more than 20 hours of care a week. Over 3000 carers are registered with the Richmond Carers Centre.

### **Care experienced people – Department for Education 2023**

As of 31/03/23 there were 130 looked after children in Richmond, compared to 9,710 in London and 83,840 in England.

Households - ONS Census 2021		
Measures	Value	
Total: Out of married or civil partnership couples, cohabiting couple family, lone parent family and other single-family household in RuT.		
Lone parent family	7078	

Health Inequalities – ONS Marmot indicators			
Measures Richmond upon London Thames (years) (years)			
Inequality in life expectancy at birth – females (2018 – 20)	1.2	5.4	
Inequality in life expectancy at birth – males (2018 – 20)	5.3	7.5	

The figures above outline that Richmond has a lower inequality in life expectancy at birth compared to London for both females and males.

Measures	Richmond upon Thames (years)	England (years)
Life expectancy at birth in least deprived decile – females (2018 – 20)	85.9	86.3
Life expectancy at birth in least deprived decile – males (2018 – 20)	84.3	83.2
Life expectancy at birth in most deprived decile – females (2018 – 20)	83.4	78.3
Life expectancy at birth in most deprived decile – males (2018 – 20)	77.2	73.5

The figures above show that Richmond has a higher life expectancy in both its least and most deprived deciles compared to England, for both female and male residents. In addition, the most deprived deciles had a lower life expectancy, compared to higher deciles in Richmond for both male and female.

Life expectancy interconnects with people's socio-economic situations. Characteristically, lower decile people will live shorter lives as they are subject to greater heath inequalities. Among other factors, inequalities range from a lack of access to quality health services, the wider environments such as poor-quality housing, work settings, education, or access to green space, and behavioural risks to health such as drinking, smoking, physical inactivity, or poor diet. In turn, these inequalities can lead to long term health conditions and mental illness.

Refugees or migrants can be exposed to greater health challenges from severe health inequalities. This is worsened as they tend to use fewer health services compared to that of the local populations.

LBR Refugee Services Team data – 2023 AfC Schools Data - 2023		
Geography Richmond upon Than		
Scheme	Value	
Syrian Resettlement scheme (2015 – October 2023)	32	
Afghan Resettlement scheme (2021 – October 2023)	19	
Homes for Ukraine scheme (2022 – November 2023)	975	
Unaccompanied Asylum – seeking children	26	
Hong Kong BNO scheme	No exact data available, however proxy data shows 696 primary and secondary pupils are from Hong Kong. Further, 985 people indicated there were born in Hong Kong in the 2021 Census.	

# Data gaps

Data gap(s)	How will this be addressed?
No data gaps identified	

# 4. Impact

Protected group	Positive	Negative
Age	A lower speed limit of 20mph is expected to benefit all age groups through lower speeds, reduced traffic volumes, improved road safety and air quality and an improved environment supportive of active travel. This will be of particular benefit for those more vulnerable age groups (children and the elderly) who may find higher speeds to be a barrier to walking and cycling within the borough.	There are no negative impacts anticipated, however, should residents feel the need to feedback any comments or concerns then they can approach us in the usual way through our contact pages, social media etc. We also host regular Active Travel Advisory Group meetings with key representatives from local organisations who can feedback any concerns from their members.
Disability	All people will benefit from better air quality and reduced vehicle speed regardless of whether they have a	Even though speeds have lowered across many sites without the need for actual traffic calming measures,

	1	1
	disability or not. Those with disabilities will benefit from lower vehicle speed through less hostile walking environments, which in turn will lead to safer road crossing etc.	physical measures may be required in locations to ensure that 20mph is complied with. These can have an impact on those with disabilities. Alternatives to raised traffic calming features which can create discomfort will always be considered first. Should raised features be required then these will be designed in accordance with design standard to minimise discomfort to all users. Signage and post requirements may have a negative impact on those with disabilities, for this reason we will ensure minimum footway widths are retained and any new street furniture aligns with existing along a pavement.
Sex	In 2022/23 London wide, males averaged 0.49 vehicle trips per person per day, compared to females who averaged 0.38 trips per person per day (Travel in London Annual Overview, 2023). This is supported by London wide walking data, as females average 0.85 walking trips per person per day, while males averaged 0.76. In contrast, males averaged 0.09 trips per person per day via cycle, while females averaged 0.02 (Travel in London Annual Overview, 2023). While both males and females receive benefits from a lower speed limit, females are more likely to be advantaged as pedestrians and males as cyclists. It is assumed that numbers for active travel modes would further increase and that females may be more encouraged / confident to cycle seeing the improvements resulting from 20mph. Both males and females would receive positive impacts from reduced traffic congestion and improved air quality.	There are no negative impacts anticipated, however, should residents feel the need to feedback any comments or concerns then they can approach us in the usual way through our contact pages, social media etc. We also host regular Active Travel Advisory Group meetings with key representatives from local organisations who can feedback any concerns from their members.
Gender reassignment	There is no data suggesting impacts specific to gender reassignment.	There are no negative impacts anticipated, however, should residents feel the need to feedback any comments or concerns then they can approach us in the usual way through

Marriage and civil partnership	There is no data suggesting impacts specific to marriage and civil partnerships.	also host regular Active Travel Advisory Group meetings with key representatives from local organisations who can feedback any concerns from their members.  There are no negative impacts anticipated, however, should residents feel the need to feedback any comments or concerns then they can approach us in the usual way through our contact pages, social media etc. We also host regular Active Travel Advisory Group meetings with key representatives from local organisations who can feedback any concerns from their members.
Pregnancy and maternity	20mph will provide a safer environment for parents who are wanting to transport their children via cargo bikes or simply navigate the footpaths with a stroller. Babies, children, and pregnant women will benefit from reduced congestion resulting from increased numbers participating in active travel and improved air quality.	There are no negative impacts anticipated, however, should residents feel the need to feedback any comments or concerns then they can approach us in the usual way through our contact pages, social media etc. We also host regular Active Travel Advisory Group meetings with key representatives from local organisations who can feedback any concerns from their members.
Race/ethnicity	People of Black and Asian minority ethnic groups are currently underrepresented in walking and cycling compared to people of white backgrounds (Travel in London Annual Overview, 2023). In 2022/23, 29% of people of white ethnicity in London have cycled at least once in the last year, compared to 15% of people from Asian backgrounds and 15.2% of people with Black backgrounds (Travel in London Annual Overview, 2023). In terms of walking, in 2022/23 people of white ethnicity average 0.95 trips per person per day, while people of Asian backgrounds average 0.7 and people of Black backgrounds average 0.65 (Travel in London Annual Overview, 2023). It is considered that all ethnicities would benefit in some way from a lower limit of 20mph. Further, it is assumed that people of Black or	There are no negative impacts anticipated, however, should residents feel the need to feedback any comments or concerns then they can approach us in the usual way through our contact pages, social media etc. We also host regular Active Travel Advisory Group meetings with key representatives from local organisations who can feedback any concerns from their members.

	A sing prima vity, at basis are used and ba	
	Asian minority ethnic groups would be	
	more likely to cycle or walk if speeds	
	are lowered, collisions are reduced,	
	and air quality is improved.	_,
Religion and belief,	There is no data suggesting impacts	There are no negative impacts
including non-belief	specific to religion and beliefs.	anticipated, however, should residents
		feel the need to feedback any
		comments or concerns then they can
		approach us in the usual way through
		our contact pages, social media etc. We
		also host regular Active Travel Advisory
		Group meetings with key
		representatives from local
		organisations who can feedback any
		concerns from their members.
Sexual orientation	There is no data suggesting impacts	There are no negative impacts
	specific to sexual orientation.	anticipated, however, should residents
		feel the need to feedback any
		comments or concerns then they can
		approach us in the usual way through
		our contact pages, social media etc. We
		also host regular Active Travel Advisory
		Group meetings with key
		representatives from local
		organisations who can feedback any
		concerns from their members.
Socio-economic status	It is assumed that different socio-	There are no negative impacts
(to be treated as a	economic groups would benefit from a	anticipated, however, should residents
protected characteristic	lower speed limit as a result of lower	feel the need to feedback any
under Section 1 of the	speeds, better air quality and reduced	comments or concerns then they can
Equality Act 2010)	collisions. These improvements are	approach us in the usual way through
Include the following	expected to have a positive impact on	our contact pages, social media etc. We
groups:	travel choice encouraging more people	also host regular Active Travel Advisory
Deprivation (measured	to walk and cycle. This is particularly	Group meetings with key
by the 2019 English	beneficial if people have tight	representatives from local
Indices of Deprivation)	timeframes going between jobs or	organisations who can feedback any
Low-income groups &	activities. Further, cycling or walking is	concerns from their members.
employment	typically more reliable and an	
• Carers	affordable option when compared to	
Care experienced	that of a private vehicle or some forms	
people	of public transportation. All socio-	
Single parents	economic groups outlined would	
Health inequalities	receive positive impacts from reduced	
Refugee status	traffic congestion and improved air	
neragee status	quality. Data shows that low-income	
	households are well represented in	
	walking but underrepresented in	
	cycling (Travel in London Annual	
1	Overview, 2023). The benefits	

		associated with 20mph are expected to encourage more cycling and walking in the borough which is likely to be of benefit to low income families.	
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# 5. Actions to advance equality, diversity and inclusion

Action	Lead Officer	Deadline
Any future measures arising from review of collision and speed hotspots	Chris Smith /	Prior to
will be designed in accordance with design standards and consider the	scheme	implementation
needs of all users, this may include tactile paving, wheelchair friendly pram	engineer	
ramps, bus friendly raised tables etc.		
Any future proposals will be subject to public consultation with all	Chris Smith /	Prior to
residents and key stakeholders (including groups representing those with	scheme	implementation
disabilities, cycling, pedestrians etc.)	engineer	