## **LUCY'S MILL BRIDGE MODELLING**

The Marina

Central Stratford

Banbury Rd area

North Stratford

The Rec

Clifford Chambers area

A study of present and potential use for a full accessible Lucy's Mill Bridge

Marina

CC

Rec

CenS

BanbR

NorthS

Total

#### Current users + potential users Stratford Areas (definitions for the purpose of creating modelling areas) Workers W Old Stratford OldS Old Town As defined by Severn Meadows rd through to Chestnut Walk Dog walkers DW West Stratford WestS Housing to both sides of the Evesham rd Recreation - Adult(s) RA Town Centre West **TCWest** Commercial activities between Sheep Street and Chestnut Walk Bridgetown - Shipston Rd Recreation - Adults + Children RAC BridgeT Housing alongside main arterial route and on long established estate **RCY** Recreation - Cycle specific Trinity Mead and Rosebird TM+R Housing on new estate, shops, services, new schools (1) Shoppers - Service Users S The Marina Marina Visitors + workers (3) TΑ Clifford Chambers area CC Walking and cycling traffic from the village and surrounds Tourists - Adult(s) Tourists - Adult + Children TAC Visitors parking in this area - Sports Club attendees (2) - use of riverbank walk The Rec Rec Central Stratford CenS Visitors crossing to the south of Stratford from the Town Centre School Children SCCH Banbury Rd area BanbR Housing alongside and to the East of this road (1) Sports Club attendees (2) SCA North Stratford NorthS Housing around the Alcester and Birmingham Rds М Marina Users (3) New projects Current non-users 2018 The Marina (3) 2020-22 School Development To the west of Trinity Mead Rd and in the surrounds of Rosebird (1) Wheelchair users WH 2020-22 Sports Club Development The proposed enlargement of Stratford Sports Club to include all-weather facilities on the playing fields of the WHD Wheelchair users with dogs 2018-19 Upgrading of the public footpath alongside Severn Meadows rd (south of the river) (4) Adults with mobility problems AM Adults with young children AYC Tourists with mobility issues TM TYC Tourists with young children User number methodology Fixed Population Variable Population Low Medium Peak 35.00% 75.00% 10.00% Old Stratford OldS 1261 West Stratford WestS 2790 Town Centre West **TCWest** 271 Bridgetown - Shipston Rd BridgeT 1076 Trinity Mead and Rosebird TM+R 1871

150

600

70

280

200

800

5000

6000

300

3139

15416 26124

32124

20

80

No of boats

Car parking spaces

Peak visitor/shopper numbers

Average people per boat

People/car

3 Sports Club Attendees

200

# MODELS - Lucy's Mill Bridge

	Population	,,,	1-5s	6-12s	Populatio	n Split 19-65s	66-75s	75+s
Area	ropulation		1-35	0-125	13-105	19-005	00-738	75+8
OldS	1261		39	50	34	594	223	321
Current users + potentia	l users							
Workers		W	0	0	0	3.00%	3.00%	0
Dog walkers		DW	0	0	0	15.00%	10.00%	2.00%
Recreation – Adult(s) Recreation – Adults + Chil	ldra	RA RAC	0 10.00%	0 10.00%	0 10.00%	20.00% 10.00%	30.00% 0	5.00%
Recreation – Adults + Crill Recreation – Cycle specifi		RCY	10.00%	10.00%	10.00%	5.00%	0	0
Shoppers – Service Users		S	0	0	0.00%	10.00%	5.00%	2.00%
School Children	(1)	SCCH	2.00%	5.00%	10.00%	0.00%	0.0070	0
Sports Club attendees	(2)	SCA	0	5.00%	5.00%	5.00%	2.00%	0
Current non-users (No p	er 1000)							
Wheelchair users		WH	0.5	0.5	1	2	2	2
Wheelchair users with dog	as	WHD	0	0	1	1	1	1
Adults with mobility proble		AM	0	0	0	5	100	200
Adults with young children		AYC	3	3	0	3	0	0
Actuals								
Workers		W	0	0	0	17.82	6.69	0
Dog walkers		DW	0	0	0	89.1	22.3	6.42
Recreation – Adult(s)		RA	0	0	0	118.8	66.9	16.05
Recreation – Adults + Chil		RAC	3.9	5	3.4	59.4	0	0
Recreation – Cycle specifi		RCY	0	0	3.4	59.4	0	0
Shoppers – Service Users		S	0	0	0	59.4	11.15	6.42
School Children	(1)	SCCH	0.78	2.5	3.4	0	0	0
Sports Club attendees	(2)	SCA	0	2.5	1.7	29.7	4.46	0
Wheelchair users		WH	0.0195	0.025	0.034	1.188	0.446	0.642
Wheelchair users with dog		WHD	0	0	0.034	0.594	0.223	0.321
Adults with mobility proble		AM	0	0	0	2.97	22.3	64.2
Adults with young children		AYC	0.117	0.15	0	1.782	0	0
					Populatio	n Snlit		
	Population		1-5s	6-12s	13-18s	19-65s	66-75s	75+s
Area	0700		107	004	100	1500	240	007
WestS	2790		187	204	183	1580	349	287
Current users + potentia	l users							
Workers		W	0	0	0	3.00%	1.00%	0
Dog walkers		DW	0	0	0	15.00%	10.00%	2.00%

Recreation – Adult(s)	RA	0	0	0	20.00%	30.00%	5.00%
Recreation - Adults + Children	RAC	10.00%	10.00%	10.00%	10.00%	0	0
Recreation - Cycle specific	RCY	0	0	10.00%	5.00%	0	0
Shoppers – Service Users	S	0	0	0	2.00%	1.00%	1.00%
School Children (1)	SCCH	2.00%	5.00%	10.00%	0	0	0
Sports Club attendees (2)	SCA	0	5.00%	5.00%	5.00%	2.00%	0
Current non-users (No per 1000)							
Wheelchair users	WH	0.5	0.5	1	2	2	2
Wheelchair users with dogs	WHD	0	0	1	1	1	1
Adults with mobility problems	AM	0	0	0	5	100	200
Adults with young children	AYC	3	3	0	3	0	0
Actuals							
Workers	W	0	0	0	47.4	3.49	0
Dog walkers	DW	0	0	0	237	34.9	5.74
Recreation – Adult(s)	RA	0	0	0	316	104.7	14.35
Recreation – Adults + Children	RAC	18.7	20.4	18.3	158	0	0
Recreation – Cycle specific	RCY	0	0	18.3	158	0	0
Shoppers – Service Users	S	0	0	0	31.6	3.49	2.87
School Children (1)	SCCH	3.74	10.2	18.3	0	0	0
Sports Club attendees (2)	SCA	0	10.2	9.15	79	6.98	0
Wheelchair users	WH	0.0935	0.102	0.183	3.16	0.698	0.574
Wheelchair users with dogs	WHD	0	0	0.183	1.58	0.349	0.287
Adults with mobility problems	AM	0	0	0	7.9	34.9	57.4
Adults with young children	AYC	0.561	0.612	0	4.74	0	0

	opulation	1-5s	6-12s	13-18s	19-65s	66-75s	75+s
Area TCWest	271	3	4	11	178	23	52
Current users + potential use	ers						
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Childrer Recreation – Cycle specific Shoppers – Service Users School Children (1 Sports Club attendees (2	RCY S ) SCCH	0 0 0 0 0 0 0 0.00%	0 0 0 0 0 0 0.00%	0 0 0 0 0.00% 0 0.00%	0.00% 0.00% 20.00% 0.00% 5.00% 0	0.00% 0.00% 0.00% 0 0.00% 0	0.00% 0.00% 0.00% 0 0.00%
Current non-users (No per 1	000)						
Wheelchair users Wheelchair users with dogs Adults with mobility problems Adults with young children	WH WHD AM AYC	0 0 0 3	0 0 0 3	0 0 0 0	2 0 5 0	0 0 100 0	0 0 200 0
Actuals							
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Childrer Recreation – Cycle specific Shoppers – Service Users School Children (1 Sports Club attendees (2	RCY S ) SCCH	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 35.6 0 0 8.9 0	0 0 0 0 0 0	0 0 0 0 0 0
Wheelchair users Wheelchair users with dogs Adults with mobility problems Adults with young children	WH WHD AM AYC	0 0 0 0.009	0 0 0 0.012	0 0 0	0.356 0 0.89 0	0 0 2.3 0	0 0 10.4 0
	opulation	1-5s	6-12s	13-18s	19-65s	66-75s	75+s
Area BridgeT	1076	67	94	61	547	153	154
Current users + potential use	ers						
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Childrer Recreation – Cycle specific	W DW RA RAC RCY	0 0 0 10.00% 0	0 0 0 10.00% 0	0 0 0 10.00% 10.00%	6.00% 15.00% 25.00% 10.00% 20.00%	4.00% 10.00% 15.00% 0	0 2.00% 5.00% 0

Shoppers – Service Users School Children Sports Club attendees	(1) (2)	S SCCH SCA	0 1.00% 0	0 5.00% 0.00%	0 10.00% 0.00%	10.00% 0 0.00%	5.00% 0 0.00%	2.00% 0 0
Current non-users (No pe	, ,	00/1		0.0070	0.0070	0.00%	0.0070	
Wheelchair users		WH	0.5	0.5	1	2	2	2
Wheelchair users with dog	js	WHD	0	0	1	1	1	1
Adults with mobility probler		AM	0	0	0	5	100	200
Adults with young children		AYC	3	3	0	3	0	0
Actuals								
Workers		W	00	00	00	33	06	00
Dog walkers		DW	00	00	00	82	15	03
Recreation – Adult(s)		RA	00	00	00	137	23	80
Recreation - Adults + Child	dren	RAC	07	09	06	55	00	00
Recreation - Cycle specific	С	RCY	00	00	06	55	00	00
Shoppers - Service Users		S	00	00	00	55	08	03
School Children	(1)	SCCH	01	05	06	00	00	00
Sports Club attendees	(2)	SCA	00	00	00	00	00	00
Wheelchair users		WH	0.0335	0.047	0.061	1.094	0.306	0.308
Wheelchair users with dog	ıs	WHD	0	0	0.061	0.547	0.153	0.154
Adults with mobility probler	ms	AM	0	0	0	2.735	15.3	30.8
Adults with young children		AYC	0.201	0.282	0	1.641	0	0

Population		1-5s	6-12s	13-18s	19-65s	66-75s	75+s
Area 1871		165	218	164	1144	119	61
Current users + potential users							
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Children Recreation – Cycle specific Shoppers – Service Users School Children (1)	W DW RA RAC RCY S SCCH	0 0 0 10.00% 0 0	0 0 0 10.00% 0 0	0 0 0 10.00% 10.00% 0 10.00%	3.00% 10.00% 15.00% 10.00% 5.00% 10.00% 0	3.00% 8.00% 10.00% 0 0 5.00%	0 2.00% 5.00% 0 0 2.00%
Sports Club attendees (2)	SCA	0	0.00%	0.00%	0.00%	0.00%	0
Current non-users (No per 1000)							
Wheelchair users Wheelchair users with dogs Adults with mobility problems Adults with young children	WH WHD AM AYC	0.5 0 0 3	0.5 0 0 3	1 1 0 0	2 1 5 3	2 1 100 0	2 1 200 0
Actuals							
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Children Recreation – Cycle specific Shoppers – Service Users School Children (1) Sports Club attendees (2)	W DW RA RAC RCY S SCCH SCA	00 00 00 17 00 00 00	00 00 00 22 00 00 00	00 00 00 16 16 00 16	34 114 172 114 114 114 00 00	04 10 12 00 00 06 00	00 01 03 00 00 01 00
Wheelchair users Wheelchair users with dogs Adults with mobility problems Adults with young children	WH WHD AM AYC	0.0825 0 0 0.495	0.109 0 0 0.654	0.164 0.164 0	2.288 1.144 5.72 3.432	0.238 0.119 11.9 0	0.122 0.061 12.2 0
Population		1-5s	6-12s	13-18s	19-65s	66-75s	75+s
Area 200		0% 0	2% 4	5% 10	50% 100	37% 74	6% 10 12
Current users + potential users							
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Children Recreation – Cycle specific Shoppers – Service Users	W DW RA RAC RCY S	0 0 0 70.00% 0 0	0 0 0 70.00% 0 0	0 0 0 70.00% 0.00%	0.00% 0.00% 70.00% 70.00% 0.00% 90.00%	0.00% 0.00% 70.00% 0 0 90.00%	0 0.00% 0.00% 0 0

School Children Sports Club attendees	(1) (2)	SCCH SCA	0.00%	0.00% 0.00%	0.00% 0.00%	0 0.00%	0 0.00%	0
Current non-users (No	per 1000)							
Wheelchair users Wheelchair users with do Adults with mobility probl Adults with young childre	ems	WH WHD AM AYC	0.5 0 0 3	0.5 0 0 3	1 1 0 0	2 1 5 3	2 1 15 0	2 1 50 0
Actuals								
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Ch Recreation – Cycle speci Shoppers – Service User School Children Sports Club attendees	fic	W DW RA RAC RCY S SCCH SCA	00 00 00 00 00 00 00 00	00 00 00 03 00 00 00	00 00 00 07 07 00 00	00 00 70 70 70 90 00	00 00 52 00 00 67 00	00 00 00 00 00 00 00
Wheelchair users Wheelchair users with do Adults with mobility probl Adults with young childre	ems	WH WHD AM AYC	0 0 0 0	0.002 0 0 0.012	0.01 0.01 0 0	0.2 0.1 0.5 0.3	0.148 0.074 1.11 0	0.024 0.012 0.6 0

Populati	on	1-5s	6-12s	13-18s	19-65s	66-75s	75+s	100.000/
Area 800	)	12% 96	12% 96	12% 96	40% 320	18% 144	6% 48	100.00%
Current users + potential users								
Workers Dog walkers	W DW	0	0	0	0.00% 5.00%	0.00% 5.00%	2.00%	
Recreation – Adult(s) Recreation – Adults + Children	RA RAC	0 30.00%	0 30.00%	0 30.00%	40.00% 30.00%	10.00% 0	5.00%	
Recreation – Cycle specific Shoppers – Service Users	RCY S	0 0	0	0.00% 0	5.00% 40.00%	0 30.00%	0 2.00%	
School Children (1) Sports Club attendees (2)	SCCH SCA	0.00% 0	0.00% 0.00%	0.00% 0.00%	0 0.00%	0 0.00%	0	
Current non-users (No per 1000)								
Wheelchair users	WH	0.5	0.5	1	2	2	2	
Wheelchair users with dogs	WHD	0	0	1	1	1	1	
Adults with mobility problems Adults with young children	AM AYC	0 3	0 3	0 0	5 3	100 0	200	
Actuals								
Workers	W	00	00	00	00	00	00	
Dog walkers Recreation – Adult(s)	DW RA	00 00	00 00	00 00	16 128	07 14	01 02	
Recreation – Adults + Children	RAC	29	29	29	96	00	00	
Recreation – Cycle specific	RCY	00	00	29	96	00	00 01	
Shoppers – Service Users School Children (1)	S SCCH	00 00	00 00	00 00	128 00	43 00	00	
Sports Club attendees (2)	SCA	00	00	00	00	00	00	
Wheelchair users	WH	0.048	0.048	0.096	0.64	0.288	0.096	
Wheelchair users with dogs	WHD	0	0	0.096	0.32	0.144	0.048	
Adults with mobility problems Adults with young children	AM AYC	0.288	0.288	0 0	1.6 0.96	14.4 0	9.6 0	
Populati Area	on	1-5s 0%	6-12s 0%	13-18s 5%	19-65s 95%	66-75s 0%	75+s 0%	100.00%
CC 300	)	0	0	15	285	0	0	100.0078
Current users + potential users								
Workers	W	0	0	0	3.00%	3.00%	0	
Dog walkers	DW	0	0	0	10.00%	0.00%	0.00%	
Recreation – Adult(s) Recreation – Adults + Children	RA RAC	5.00%	5.00%	0 5.00%	15.00% 5.00%	10.00% 0	5.00%	
Recreation – Cycle specific	RCY	0	0.00%	0.00%	0.00%	0	0	
Shoppers – Service Users	S	0	0	0	5.00%	0.00%	0.00%	

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School Children Sports Club attendees	(1) (2)	SCCH SCA	0.00%	0.00% 0.00%	3.00% 2.00%	0 5.00%	0 0.00%	0
Current non-users (No		00/1	v	0.0076	2.0076	3.0076	0.0070	U U
	,							
Wheelchair users		WH	0	0	0	0	0	0
Wheelchair users with do	ogs	WHD	0	0	0	0	0	0
Adults with mobility problem	ems	AM	0	0	0	0	0	0
Adults with young childre	n	AYC	3	3	0	3	0	0
Actuals								
Workers		W	00	00	00	09	00	00
Dog walkers		DW	00	00	00	29	00	00
Recreation – Adult(s)		RA	00	00	00	43	00	00
Recreation - Adults + Ch	ildren	RAC	00	00	01	14	00	00
Recreation - Cycle speci	fic	RCY	00	00	01	14	00	00
Shoppers - Service User	s	S	00	00	00	14	00	00
School Children	(1)	SCCH	00	00	00	00	00	00
Sports Club attendees	(2)	SCA	00	00	00	14	00	00
Wheelchair users		WH	0	0	0	0	0	0
Wheelchair users with do	ogs	WHD	0	0	0	0	0	0
Adults with mobility proble	•	AM	0	0	0	0	0	0
Adults with young childre		AYC	0	0	0	0.855	0	0

Area	Population		1-5s 8%	6-12s 8%	13-18s 15%	19-65s 40%	66-75s 23%	75+s 6%	100.00%
CenS	5000		400	400	750	2000	1150	300	100.007
Current users + potentia	l users								
Workers		W	0	0	0	0.00%	0.00%	0	
Dog walkers		DW	0	0	0	10.00%	0.00%	0.00%	
Recreation – Adult(s)		RA	0	0	0	15.00%	10.00%	5.00%	
Recreation – Adults + Chil		RAC	10.00%	10.00%	10.00%	10.00%	0	0	
Recreation – Cycle specifi		RCY	0	0	10.00%	5.00%	0	0.000/	
Shoppers – Service Users School Children	(1)	S SCCH	0.00%	0 0.00%	0 0.00%	0.00%	0.00% 0	0.00%	
Sports Club attendees	(2)	SCA	0.00%	1.00%	1.00%	1.00%	0.00%	0	
Current non-users (No p	er 1000)								
Wheelchair users		WH	0.5	0.5	1	2	2	2	
Wheelchair users with dog	gs	WHD	0	0	1	1	1	1	
Adults with mobility proble		AM	0	0	0	5	100	200	
Adults with young children		AYC	3	3	0	3	0	0	
Actuals									
Workers		W	00	00	00	00	00	00	
Dog walkers		DW	00	00	00	200	00	00	
Recreation – Adult(s)		RA	00	00	00	300	115	15	
Recreation – Adults + Chil		RAC	40	40	75 75	200	00	00	
Recreation – Cycle specifi Shoppers – Service Users		RCY S	00 00	00 00	75 00	200 00	00 00	00 00	
School Children	(1)	SCCH	00	00	00	00	00	00	
Sports Club attendees	(2)	SCA	00	04	08	20	00	00	
Wheelchair users		WH	0.2	0.2	0.75	4	2.3	0.6	
Wheelchair users with dog	gs	WHD	0	0	0.75	2	1.15	0.3	
Adults with mobility proble	ms	AM	0	0	0	10	115	60	
Adults with young children		AYC	1.2	1.2	0	6	0	0	
	Population		1-5s	6-12s	13-18s	19-65s	66-75s	75+s	
Area BanbR	3139		209	327	248	1760	334	261	
			209	321	240	1760	334	201	
Current users + potentia	l users								
Workers		W	0	0	0	0.50%	0.50%	0	
Dog walkers		DW	0	0	0	5.00%	0.00%	0.00%	
Recreation – Adult(s)		RA	0	0	0	10.00%	4.00%	1.00%	
Recreation – Adults + Chil		RAC	5.00%	5.00%	5.00%	5.00%	0	0	
Recreation – Cycle specifi		RCY	0	0	5.00% 0	5.00%	0	0	
Shoppers – Service Users		S	0	0	0	2.00%	1.00%	0.00%	

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School Children	(1)	SCCH	0.00%	0.00%	0.00%	0	0	0
Sports Club attendees	(2)	SCA	0	0.00%	0.00%	0.00%	0.00%	
Current non-users (No p	er 1000)							
Wheelchair users	ems	WH	0.5	0.5	1	2	2	2
Wheelchair users with do		WHD	0	0	1	1	1	1
Adults with mobility proble		AM	0	0	0	5	100	200
Adults with young children		AYC	3	3	0	3	0	0
Actuals								
Workers Dog walkers Recreation – Adult(s) Recreation – Adults + Chi Recreation – Cycle specif Shoppers – Service Users School Children Sports Club attendees	ic	W DW RA RAC RCY S SCCH SCA	00 00 00 10 00 00 00	00 00 00 16 00 00 00	00 00 00 12 12 00 00	09 88 176 88 88 35 00	02 00 13 00 00 03 00	00 00 03 00 00 00 00
Wheelchair users	ems	WH	0.1045	0.1635	0.248	3.52	0.668	0.522
Wheelchair users with do		WHD	0	0	0.248	1.76	0.334	0.261
Adults with mobility proble		AM	0	0	0	8.8	33.4	52.2
Adults with young children		AYC	0.627	0.981	0	5.28	0	0

	Population	1-5s	6-12s	13-18s	19-65s	66-75s	75+s
Area NorthS	15416	920	1051	933	9325	1600	1677
Current users + potential us	sers						
	DW RA RAC RCY S SCCH 2) SCA	0 0 0 1.00% 0 0 0.00%	0 0 1.00% 0 0 0.00% 0.10%	0 0 1.00% 1.00% 0 0.00% 0.10%	0.10% 0.00% 2.00% 3.00% 2.00% 0.10% 0	0.00% 0.00% 1.00% 0 0.00% 0	0 0.00% 0.00% 0 0 2.00% 0
Current non-users (No per	1000)						
Wheelchair users Wheelchair users with dogs Adults with mobility problems Adults with young children	WH WHD AM AYC	0.5 0 0 3	0.5 0 0 3	1 1 0 0	2 1 5 3	2 1 100 0	2 1 200 0
Actuals							
	DW RA RAC RCY S SCCH 2) SCA	0 0 0 9.2 0 0 0	0 0 10.51 0 0 0	0 0 0 9.33 9.33 0 0	9.325 0 186.5 279.75 279.75 9.325 0 9.325	0 0 16 0 0 0	0 0 0 0 0 33.54 0
Wheelchair users Wheelchair users with dogs Adults with mobility problems Adults with young children	WH WHD AM AYC	0.46 0 0 2.76	0.5255 0 0 3.153	0.933 0.933 0 0	18.65 9.325 46.625 27.975	3.2 1.6 160 0	3.354 1.677 335.4 0
Actuals Total		1-5s	6-12s	13-18s	19-65s	66-75s	75+s
	W DW RA RAC RCY S SCCH SCA	00 00 00 134 00 00 05	00 00 00 155 00 00 17 18	00 00 00 177 177 00 45 20	159 855 1682 1135 1135 546 00	22 89 417 00 00 141 00	00 17 61 00 00 48 00

od	

		139	190	419	5663	681	127	7219
Wheelchair users	WH	01	01	02	35	08	06	
Wheelchair users with dogs	WHD	00	00	02	17	04	03	
Adults with mobility problems	AM	00	00	00	88	411	633	
Adults with young children	AYC	06	07	00	53	00	00	
		07	09	05	193	423	642	1279

e Rec (2)