

Traffic & Transportation Section 1.3 Public Transport

Smerson's Graan

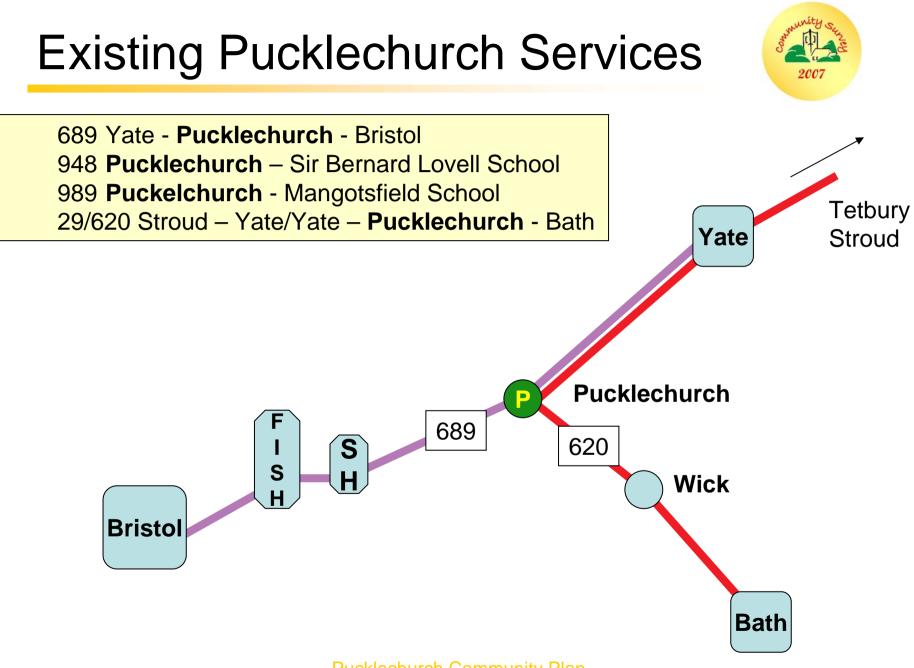
DRAFT until adopted by Parish Council

Agenda



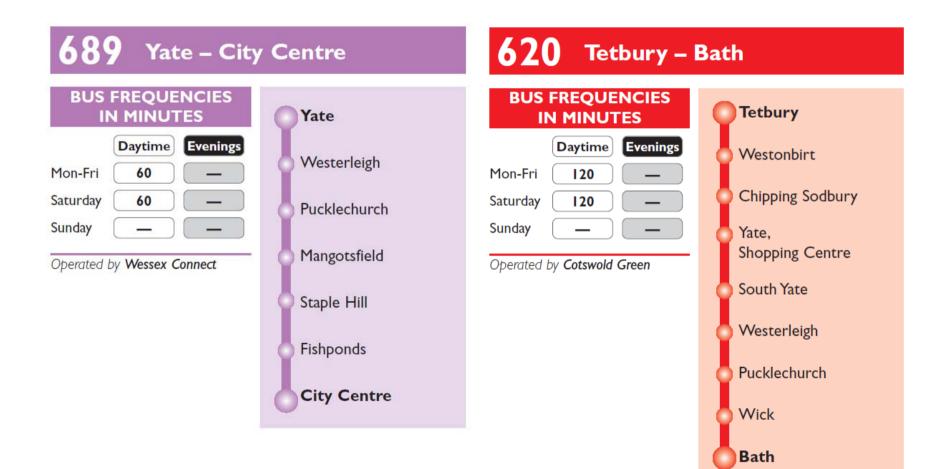
- Where are we today?
 - Existing Bus Service
 - Commuting in Pucklechurch
 - Financial Situation
- Where do we want to be?
 - Community Plan Results
 - Public Meetings
- How do we get there?
 - Priorities
 - Options





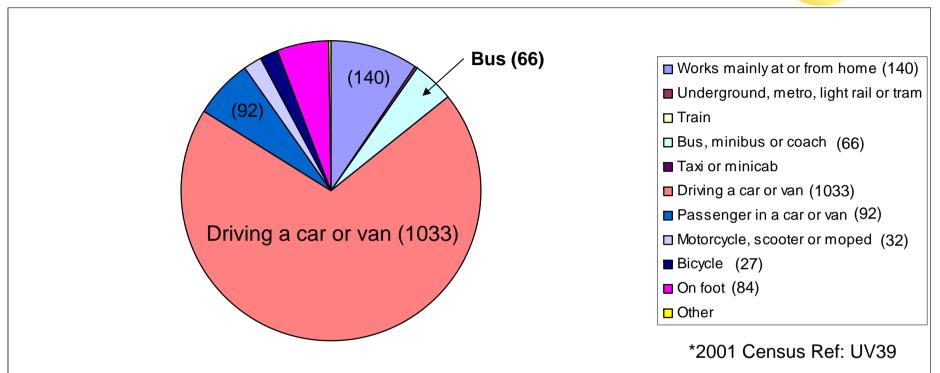
Route 689 & 620





Method of Travel to Work* - Resident Population





• On average residents of the Parish commute 35,085 Km (21,928 miles) per day** Equivalent to once round the world.

- 175,580 Km (110,000 miles) a week
- over 7 million km (4.4 million miles) a year

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    Enough to go to the moon and back 18 times!
    Pucklechurch Community Plan
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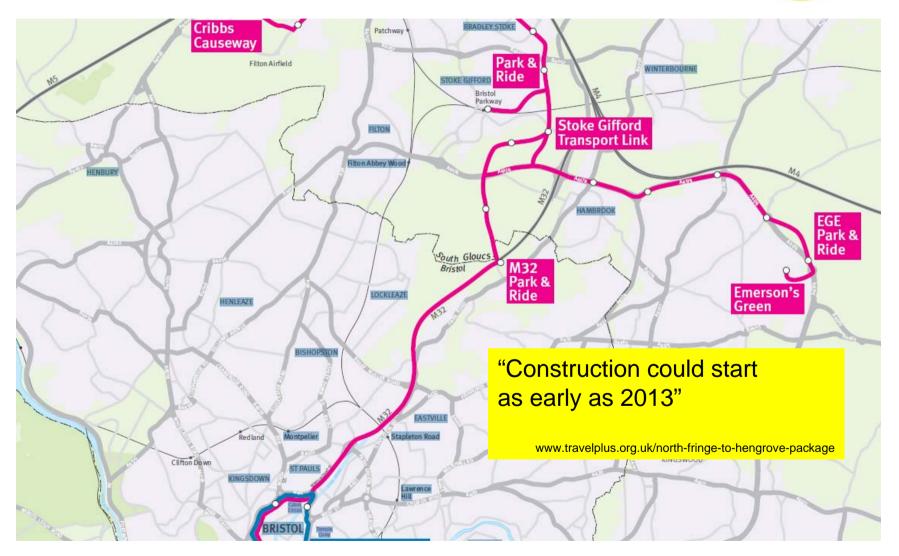
Current Financial Situation



- Level of use of the buses in Pucklechurch is not commercially viable
- Financial situation following the bank failures means councils will be looking for savings
- Any changes to the Bus service must come from
 - Existing budget
 - Higher Fares
 - Outside funding
 - People of Pucklechurch
 - Increased demand to make service commercially viable

Rapid Transit Route Emerson's Green to Bristol





Where do we want to be?



- Community Plan Results
 - Q44 Attitudes to Bus Travel
 - Q45 Where, when and how often
- Public Meetings
 - 13th January (in the snow!)
 - 9th March (Happy Circle)
 - 24th March (Public meeting)

Question 44

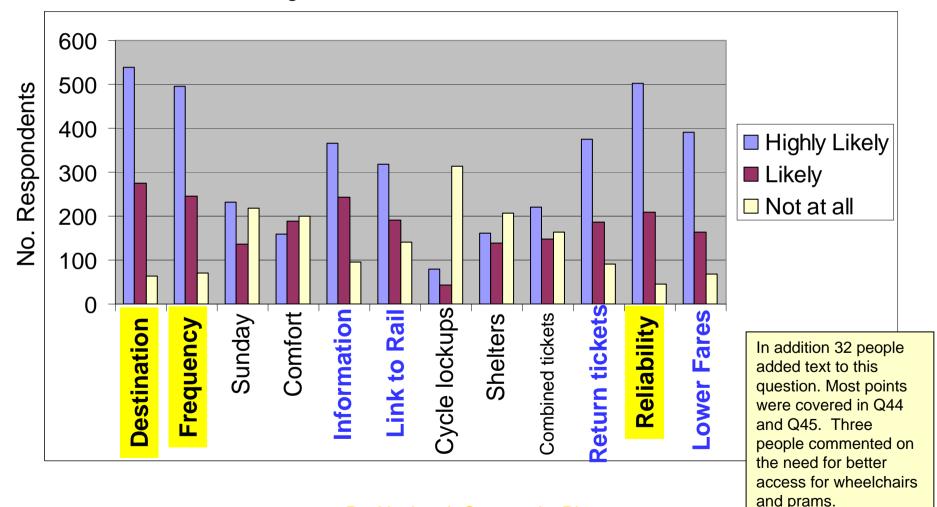


Q44 Which of these would attract you to use buses more? (tick all that apply)	Highly likely	likely	Not likely
Routes to where you want to go			
More frequent service			
Sunday service			
More comfortable buses			
More readily available route and time table information			
Bus links to railway stations			
Bicycle lock-ups at main bus stops			
Bus shelters			
Integrated bus ticketing with other services			
Return tickets available at all times			
Reliability of service			
Lower fares			
Nothing would make buses attractive to me		Go to	o Q46





91% (1158) of respondents answered this question 14% said that nothing would make buses attractive to them



Q44 Key Findings



- 77% (981) of total respondents indicated that buses could be made more attractive to them in one way or another
- Destinations, frequency and reliability of service were the most important factors for respondents with between 64% and 56% of respondents citing this at highly likely or likely to attract them to use buses more
- Better information, links to railway stations, return tickets and lower fares all scored over 40%
- Fourteen percent of respondents said that nothing could induce them to use the buses

Question 45



Q45 We need to understand the demand for bus services. Please indicate how often you would (or do) use buses to/from the following destinations. Also enter the time of day you would use the service. This is very important if you want an early or late service. (*tick one per row and add times*)

Destination	4 or 5 times a week	1 to 3 times a week	1 to 3 times a month	Departure time	Return time
Parkfield	0	0	0		
Fishponds/Staple Hill	0	0	0		
Bristol Central	0	0	0		
Westerleigh	0	0	0		
Chipping Sodbury	0	0	0		
Yate/Yate railway station	0	0	0		
Emerson's Green	0	0	0		
Frenchay hospital	0	0	0		
U.W.E. (Frenchay Campus)	0	0	0	с. С	, ,
Bristol Parkway Station	0	0	0		
Filton and Filton College	0	0	0	-	
Southmead hospital	0	0	0	i.	

continued ...

Question 45

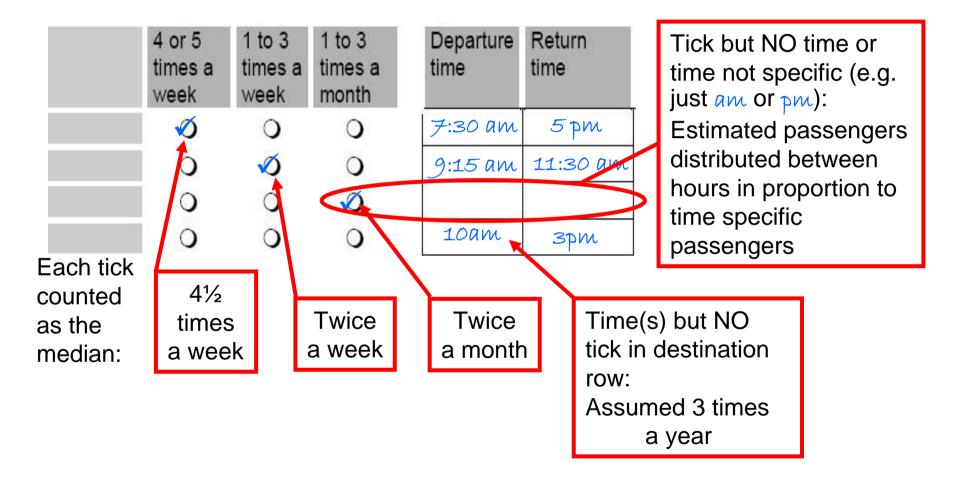


continued ...

Soundwell College	0	0
Kingswood	0	0
Longwell Green (Aspects Leisure Complex)	0	0
Keynsham area & Station	0	0
Park & ride (Brislington)	0	0
Wick	0	0
Park & ride (Lansdown)	0	0
Bath/Bath Bus Station	0	0
Other (Please state)	O	0

Q45: Estimating demand





Q45 Values of estimates



- Estimated passengers per day are calculated based on 7 days per week (Demand could increase by almost 20% to 44% if concentrated into 6 or 5 days a week excluding bank holidays).
- Commuters using buses take holidays that would reduce passenger estimates by perhaps around 8% for those in full time employment to 40% for students.
- The proportionate distribution of unspecific time passengers enhances estimates of peak time passengers.

Although the numbers of passengers estimated may be very approximate, the estimation method is consistent and the numbers allow useful comparisons between demand for bus destinations and times of travel.

Q45 Top 20 Bus destinations



в	us Destinations	Existing Bus Service	Num	nand: ber of onses	pa	ated ave issengei per day		в	us Destinations	Existing Bus Service	Dem Numb Respo	oer of		nated a asseng per day	ers
						0 50	100							0 50) 100
1	Bristol Central	689	450	35%	102			11	Bristol Parkway		155	12%	27		
2	Emerson's Green		308	24%	95			12	Park & Ride (Brislington)	904	98	8%	27		
3	Yate/Yate railway station	620 & 689*	271	21%	64		1	13	Southmead Hospital		104	8%	24		
4	Bath/Bath Bus Station	620	274	22%	53			14	Keynsham area & Station		79	6%	20		
5	Fishponds/ Staple Hill	689	228	18%	52			15	Filton and Filton College		44	3%	17		
6	Longwell Green (Aspects		226	18%	49			16	U.W.E. (Frenchay		53	4%	17		
7	Park & Ride (Lansdown)	31	233	18%	44			17	Parkfield		51	4%	15		
8	Kingswood		147	12%	36			18	Wick		64	5%	15		
9	Frenchay Hospital		143	11%	35			19	Westerleigh	620 & 689	49	4%	12		
10	Chipping Sodbury	620 + 29	156	12%	32			20	Soundwell College		41	3%	12		

* Neither bus route 620 or 689 includes Yate railway station.

770 people answered this question

61%

All %s are of the 1273 Individual questionnaires returned

Other destinations: 21 (1.6%) mentioned the Mall / Cribbs Causeway

Q45 Top 20 Bus destinations



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						0	50	100			5				0	50	100
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2	Emerson's Green		308	24%	95	-			12	Park & Ride (Brislington)	904	98	8%	27			
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10	Chipping Sodbury	620 + 29	156	12%	32				20	Soundwell College		41	3%	12			

* Neither bus route 620 or 689 includes Yate railway station.

Destinations in red were more popular with the 60+ age group

770 people answered this question 61%

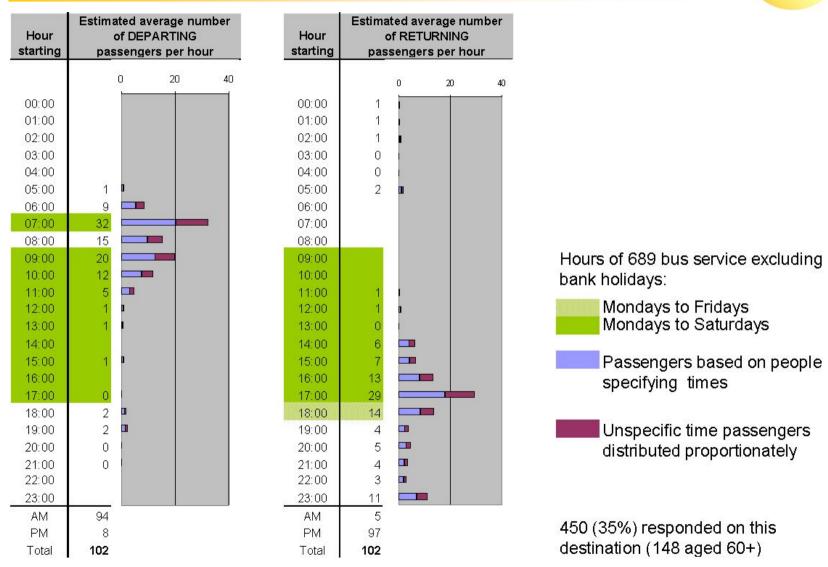


All %s are of the 1273 Individual questionnaires returned

Other destinations: 21 (1.6%) mentioned the Mall / Cribbs Causeway

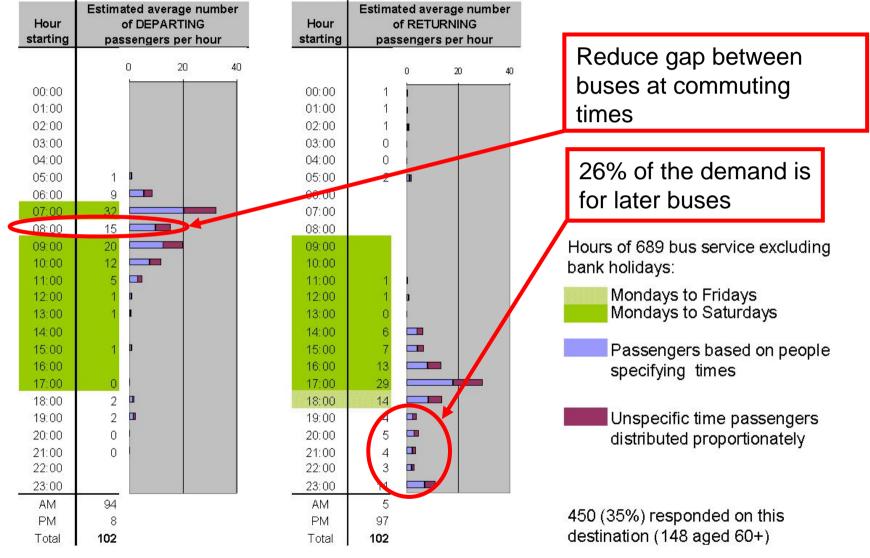
Q45 Bristol Central





Q45 Bristol Central





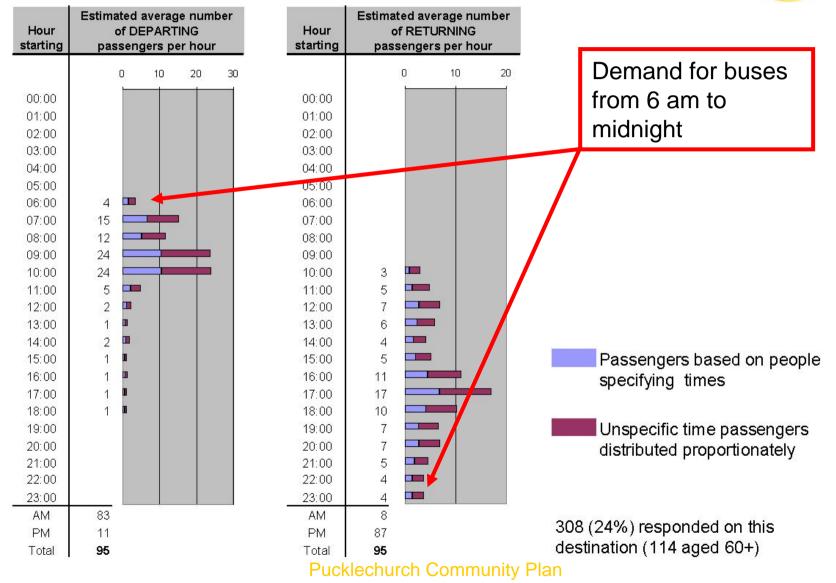
Q45 Emerson's Green



Hour starting	of DEF	verage number PARTING ers per hour	Hour starting		d avera RETURI engers p	NING		
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19:00			19:00	7				Unspecific time passengers
20:00			20:00	7				distributed proportionately
21:00			21:00	J				
22:00			22:00					
23:00			23:00	<u> </u>				
AM	83		AM	8				308 (24%) responded on this
PM	11		PM	87				· · ·
Total	95		Total	95				destination (114 aged 60+)
			Puck	dechurc	ch Co	mmu	nity	Plan

Q45 Emerson's Green





Q45 Yate/Yate railway station



Hour starting	of D	l average nu EPARTING ngers per ho		Hour starting
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06:00	6 🗖			06:00
07:00	6 🗖			07:00
08:00	9 🗖			08:00
09:00	21 =			09:00
10:00				10:00
11:00	5 🎟			11:00
12:00	1			12:00
13:00	2 🗖			13:00
14:00	1			14:00
15:00	1			15:00
16:00	0			16:00
17:00				17:00
18:00	0			18:00
19:00				19:00
20:00				20:00
21:00				21:00
22:00				22:00
23:00		55		23:00
AM	60			AM
PM	4			PM
Total	64			Total

Hour starting	1	of RET	verage r URNING ers per h	3
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10:00	1			
11:00	3			
12:00	8			
13:00	2			
14:00	2			
15:00	3			
16:00	11			
17:00	7			
18:00	10			
19:00	5			
20:00	2			
21:00	5			
22:00	4		R.	
23:00	1			
AM	4			
PM	60			
Total	64			

Hours of 620 or 689 bus services, excluding bank holidays: Mondays to Fridays Mondays to Saturdays but need to change for Yate railway station.

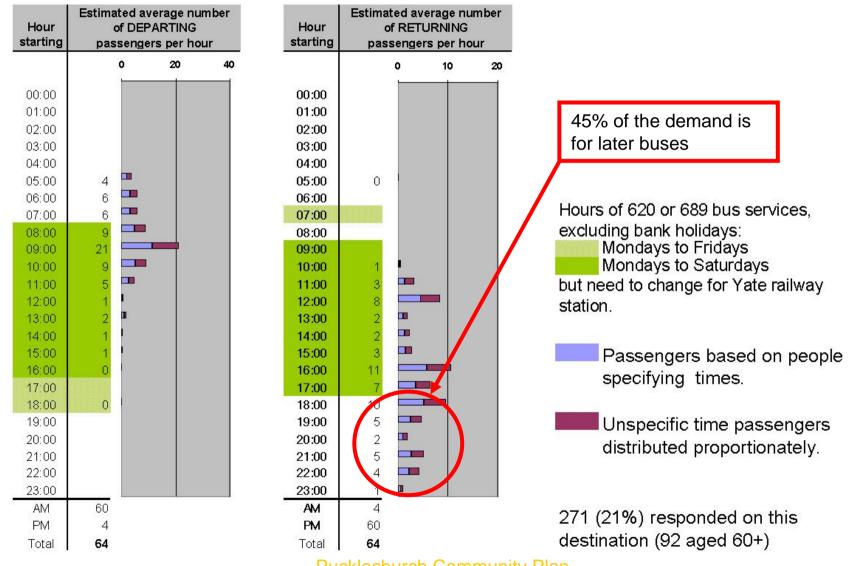
Passengers based on people specifying times.

Unspecific time passengers distributed proportionately.

271 (21%) responded on this destination (92 aged 60+)

Q45 Yate/Yate railway station

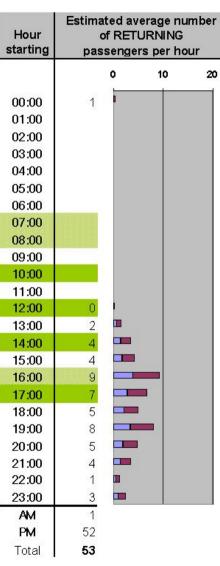




Q45 Bath/Bath Bus Station



Hour starting	c	f DEP/	erage nu ARTING 's per ho	
		0	10	20
00:00 01:00 02:00 03:00 04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00 12:00 13:00 14:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 15:00 20:00 21:00 22:00 22:00	4 5 6 12 19 3 1 0 0 1 1			
AM	49			
PM Total	3 53			



Over half of the demand is for more frequent and later buses

Hours of 620 bus service excluding bank holidays: Mondays to Fridays

Mondays to Saturdays

Passengers based on people specifying times

Unspecific time passengers distributed proportionately

274 (22%) responded on this destination (103 aged 60+)

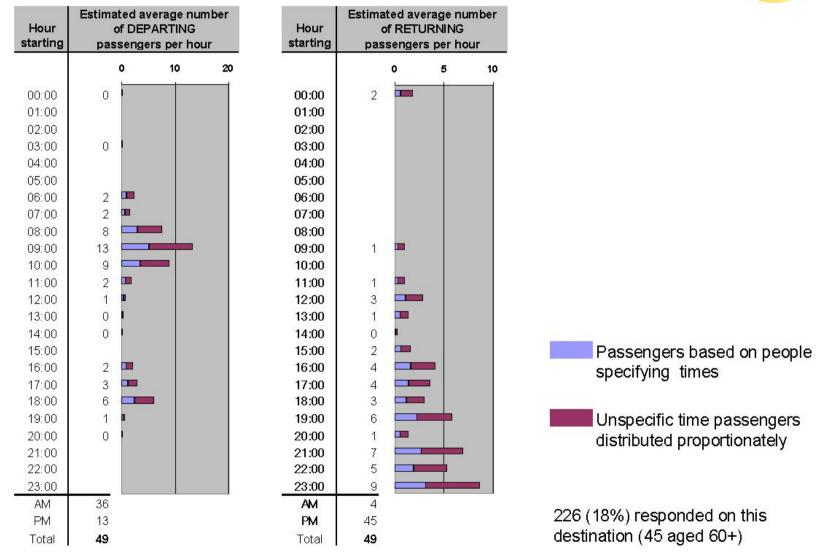
Q45 Fishponds/Staple Hill



Hour starting	Estimated av of DEP passenge	ARTING		Hour starting		FRETU			
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07:00	8			07:00					
08:00	6	,		08:00					
09:00	14			09:00					Hours of 689 bus service excluding
10:00	13			10:00	1				bank holidays:
11:00	3 💻			11:00	2				
12:00	0			12:00	4				Mondays to Fridays
13:00	1			13:00	2				Mondays to Saturdays
14:00	0 1			14:00	4				
15:00	1			15:00	7				Passengers based on people
16:00	2 🗖			16:00	6				specifying times
17:00				17:00	8 8				
18:00	0			18:00	8 1				
19:00 20:00	2 -			19:00 20:00	2				Unspecific time passengers
20.00				20:00	2				distributed proportionately
21.00				21:00	2				
22:00				23:00	4				
23.00 AM	45			AM	3				
PM	45 6			PM	49				228 (18%) responded on this
Total	52			Total	52				destination (86 aged 60+)

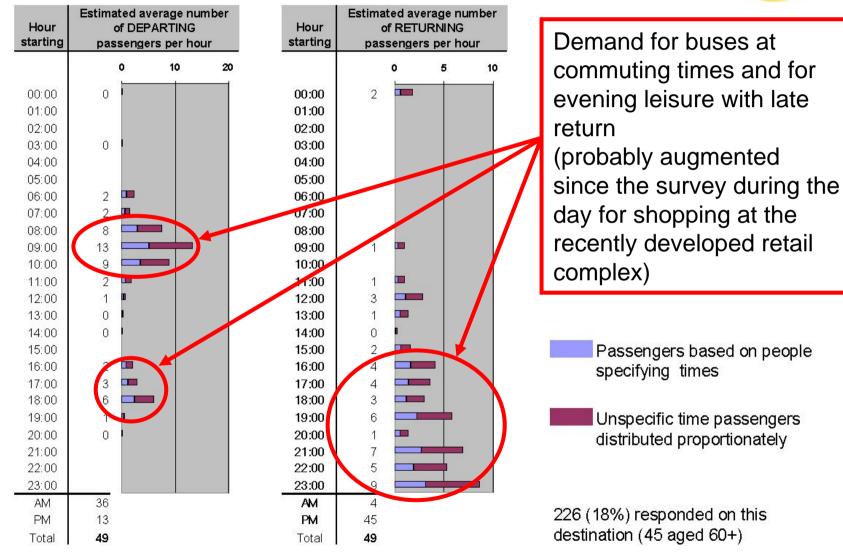


Q45 Longwell Green (Aspects L



Q45 Longwell Green (Aspects L





Q45 Kingswood



Hour starting	Estimated an of DEF passenge	PARTING		Hour starting	0	f RETU	rage nu RNING s per hoi		
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06:00	1			06:00					
07:00	9 🗖			07:00					
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15:00	0			15:00	0				Passengers based on people
16:00				16:00	1				specifying times
17:00				17:00	12				
18:00	0			18:00	6				
19:00	0			19:00	3				Unspecific time passengers
20:00				20:00	3				distributed proportionately
21:00				21:00	2				
22:00				22:00	0				
23:00		2		23:00	1	l	2		
AM	35			AM	1				147 (12%) responded on this
PM	1			PM	35				147 (12%) responded on this
Total	36			Total	36				destination (48 aged 60+)

Q45 Emerson's Green



Hour starting	Estimated average numbe of DEPARTING passengers per hour	r Hour starting	Estimated average number of RETURNING passengers per hour		
	0 10 20	30	0	10 20	
00:00		00:00			
01:00		01:00			
02:00		02:00			
03:00		03:00			
04:00		04:00			
05:00		05:00			
06:00	4 🎟	06:00			
07:00	15	07:00			
08:00	12	08:00			
09:00	24	09:00			
10:00	24	10:00	3 💻		
11:00	5 🏴	11:00	5 ===		
12:00	2 💻 🛛	12:00	7		
13:00	1 🛄	13:00	6		
14:00	2	14:00	4 💻		
15:00	1	15:00	5		Passengers based on people
16:00	1 🛄	16:00	11		specifying times
17:00	1	17:00	17		
18:00	1 💵	18:00	10		
19:00		19:00	'		Unspecific time passengers
20:00		20:00	7 5		distributed proportionately
21:00 22:00		21:00 22:00			
22:00		23:00	4		
AM	83	<u></u>	8		
PM	11	PM	87		308 (24%) responded on this
Total	95	Total	95		destination (114 aged 60+)
i otari I			klechurch C	ommunity	÷ – – – – – – – – – – – – – – – – – – –

Q45 - Key Findings

- Most popular destinations were:
 - Bristol Centre
 - Emerson's Green
 - Yate, Bath, Fishponds and Longwell Green
- Most demand on existing routes was during existing service times but clear clusters were identified for:
 - later commuting
 - night time leisure activities
- Frequency of Service
 - 620 Bath service was an issue
 - Some indication there is an issue with early morning 689 to Bristol service





How do we get there?



- What are the options?
 - Bus Link between Pucklechurch and Emerson's Green
 - Provides additional Destinations
 - Improved Service to Bath
 - Link to Longwell Green
- Funding
 - Can we make changes to existing service without increasing the budget?
 - What are the options to get additional funding?





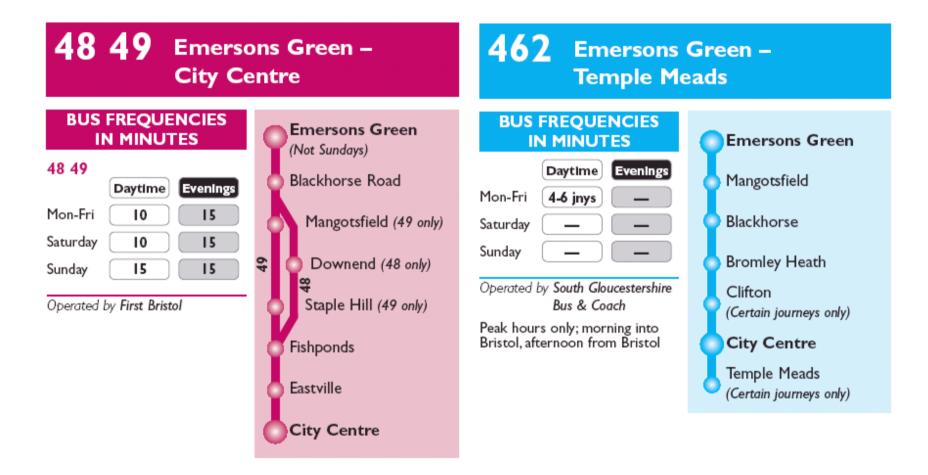
- Emerson's Green is a popular destination requested in the survey
- It is considered by many to have good services to many other destinations
- The idea of a shuttle bus between Pucklechurch and Emerson's Green was not part of the survey but has been proposed by several people



48	Emersons Green - Downend - Bristol City Centre
49	Emersons Green - Staple Hill - Bristol City Centre
459	Emersons Green - The Ridings School
462/462A	Emersons Green - Temple Meads or Clifton
517/518	Emersons Green - Bristol Parkway - Avonmouth (517)
	or Shirehampton (518)
686	Wooton-u-Edge – Yate – Emerson's Green –
	Soundwell Coll Kingswood

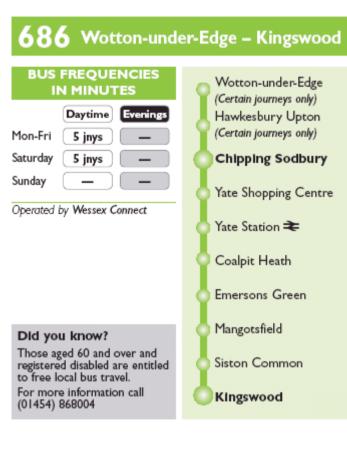
Route 48/49 and 462

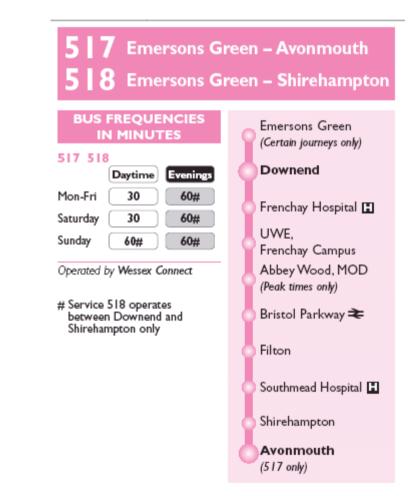


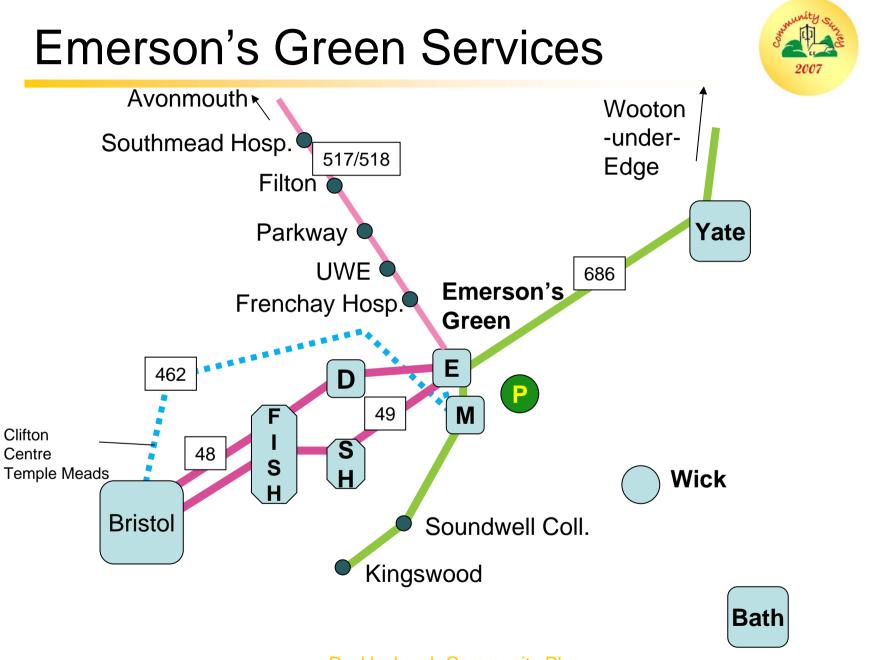


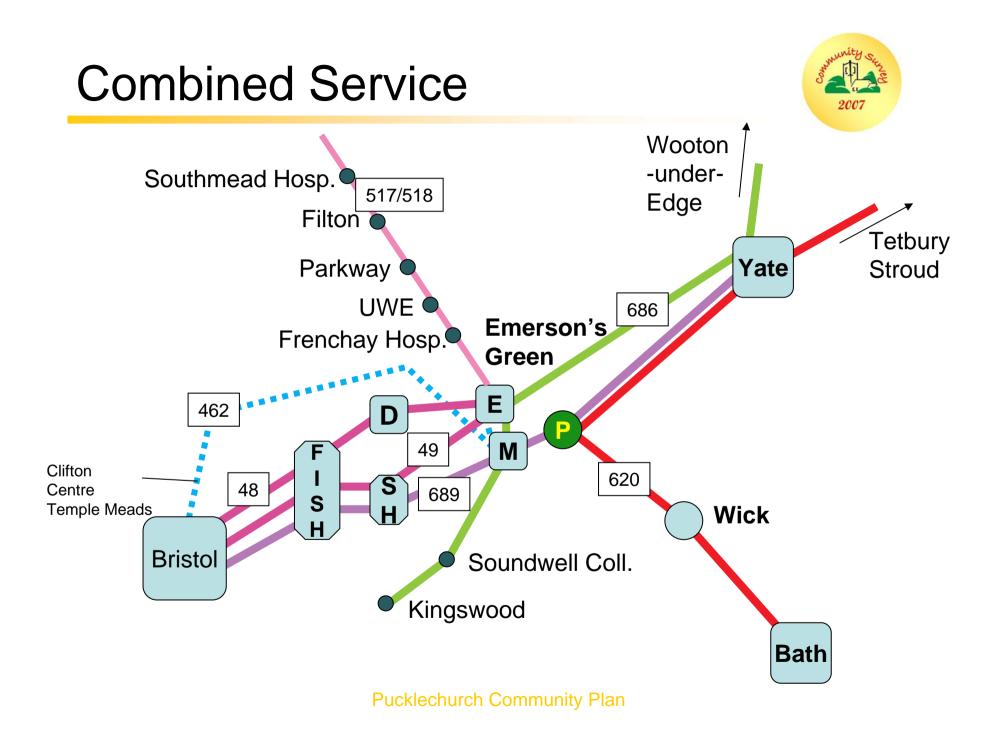
Route 686 & 517/518





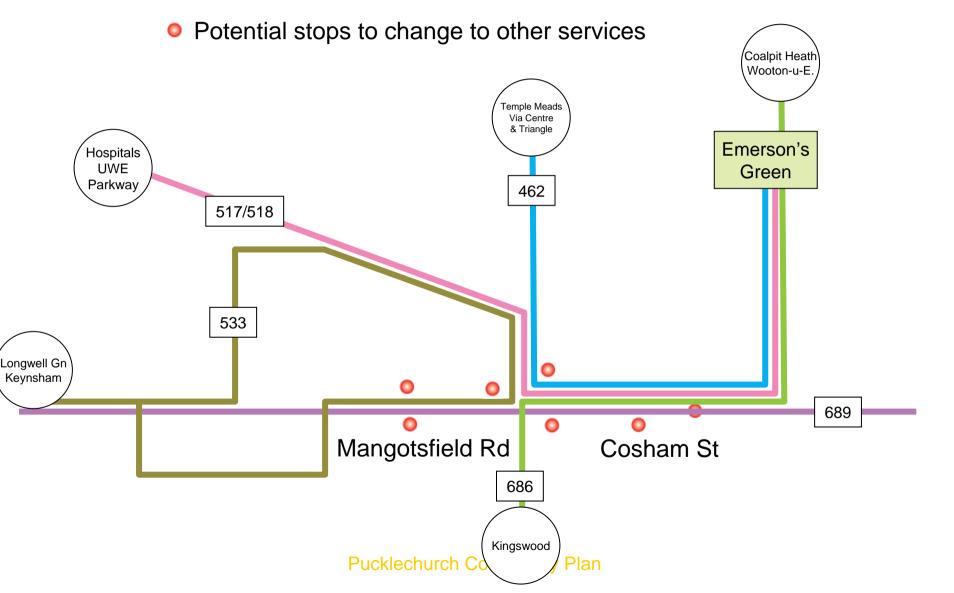






Existing link to Emerson's Green - But few good connections and not well known







- In the short term no additional funding will be available from government
- Any increase in service will have to be paid for from
 - Increased income (fares)
 - Outside funding
 - Local residents
 - Commercial Business Case

Priorities



- Short Term
 - More destinations including Emerson's Green
 - More frequent service
 - Increased reliability
 - Better Information
- Medium to Long Term
 - Further Extensions to the service
 - Improve Bath service

Options for a Service to Emerson's Green



- To meet the main identified requirement from survey of:
 - More destinations (via change at Emerson's Green)
 - Increased Frequency through Pucklechurch
 - Better Reliability
- Minimise Impact on existing Services

Bus Options	Destinat- ions	Frequency	Reliability	Funding	
1. Re-route 689 via Emerson's Green	Yes	Reduced	No change	Yes	Bus frequency reduced to 70+min intervals
2. Add Shuttle Bus between Pucklechurch and Emerson's Green	Yes	Yes	Yes	No (4)	4. See funding options
3. Replace 689 with shuttle bus	(Yes)	Yes	Yes	Yes	No service to/from Yate!
4. Run 689 between Yate and Emerson's Green	Yes	Yes	Yes (2)	Yes (1)	 Reduced cost by not running buses to Centre Increased reliability due to avoiding traffic in Bristol
5. Run 689 between Yate and Fishponds	Yes	No Change	Yes (2)	Yes (1)	
6. Run 689 to centre in peak periods and Fishponds off-peak	Yes(3)	No Change	Yes (3)	Yes (3)	3. Off-peak only



Additional Destinations with Emerson's Gn Link



Med

Low

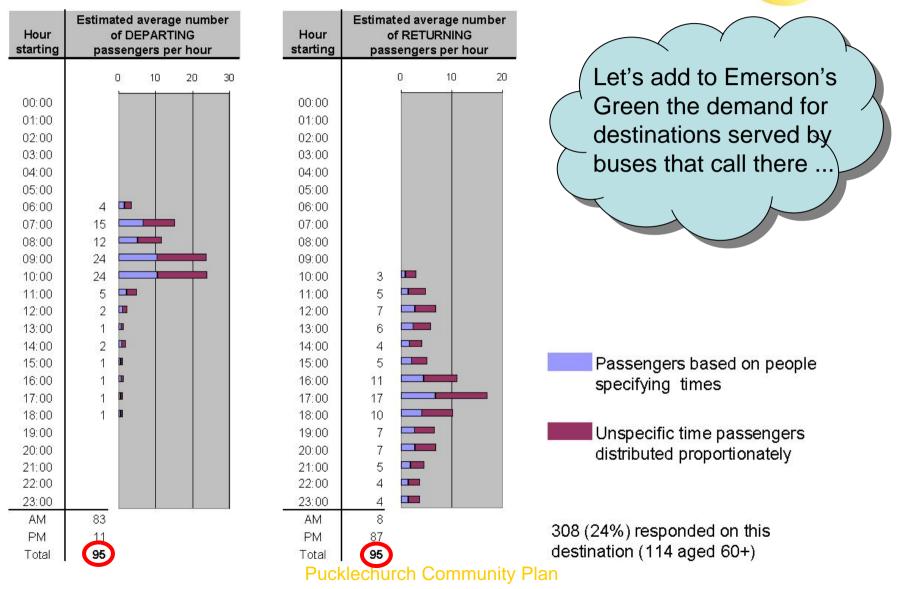
Destination	Existing Service	Link to Emerson's
Parkfield	No	No
Fishponds/Staple Hill	Yes	Yes*
Bristol Central	Yes	Yes – more frequent
Westerleigh	Yes	Yes – more frequent
Chipping Sodbury	No	No
Yate/Yate railway station	Yes/No**	Yes/No**
Emerson's Green	No	Yes
Frenchay hospital	No	Yes
U.W.E. (Frenchay Campus)	No	Yes
Bristol Parkway Station	No	Yes
Filton and Filton College	No/No	Yes/No
Southmead hospital	No	Yes
Soundwell College	No	Yes
Kingswood	No	Yes
Longwell Green (Aspects Leisure Complex)	No	No
Keynsham area & Station	No	No
Park & ride (Brislington)	No	No
Wick	Yes	No Change to 620
Park & ride (Lansdown)	Yes	No Change to 620
Bath/Bath Bus Station	Yes	No Change to 620

* Assumes 689 goes via Staple Hill / Fishponds

**Many buses from Yate shopping ctr to Yate station

Q45 Emerson's Green





Q45 Emerson's Green +



Bus Destinations via Emerson's Green	Bus Service from Emerson's Green	Demand: Number of Respons es	Estimated average passengers per day	% of Estimated Increased Total Passengers per day
Emerson's Green		308	95	26%
Fishponds/ Staple Hill	49	228	52	19%
Kingswood	686	147	36	12%
Frenchay Hospital	517 <i>1</i> 518	143	35	12%
Bristol Parkway Station	517 <i>1</i> 518	155	27	13%
Southmead Hospital	517 <i>1</i> 518	104	24	9%
Filton and Filton College	517 <i>1</i> 518	44	17	4%
U.W.E. (Frenchay Campus)	517 <i>1</i> 518	53	17	4%
Increased Estimated Totals		1182	303	100%
Estimated To		rs via Emerson'	s Green	
	200	250 300	350	400 450

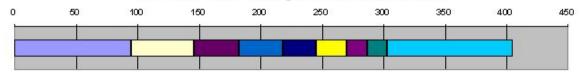
Pucklechurch Community Plan

Q45 Emerson's Green + +



Bus Destinations via Emerson's Green	Bus Service from Emerson's Green	Demand: Number of Respons es	Estimated average passengers per day	% of Estimated Increased Total Passengers per day
Emerson's Green		308	95	19%
Fishponds/ Staple Hill	49	228	52	14%
Kingswood	686	147	36	9%
Frenchay Hospital	517 <i>1</i> 518	143	35	9%
Bristol Parkway Station	517 <i>1</i> 518	155	27	9%
Southmead Hospital	517 <i>1</i> 518	104	24	6%
Filton and Filton College	517 <i>1</i> 518	44	17	3%
U.W.E. (Frenchay Campus)	517 <i>1</i> 518	53	17	3%
Bristol Central	48/49	450	102	35%
Increased Estimated Totals		1632	405	100%

Estimated Total Passengers via Emerson's Green



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Timetable Implications for Bristol If a change is needed at Emerson's



- More frequent buses from Pucklechurch (40 minutes)
 - We tried for a 30 minute service but timetable doesn't allow it
- Journey times to Bristol will go up
 - Due to extra route time for 48 & 49 services
 - Peak (am) to Bristol: 9 to 16 minutes
 - Peak (pm) from Bristol: 24 to 30+ mins (due to fast time of last bus!)
 - Off-peak up to 30 minutes
- Waiting time at Emerson's Green usually 3 to 5 minutes going to Bristol
- In event of missed connection extra waiting time is
 - To Bristol is between 6 and 10 minutes
 - From Bristol 40 minutes (but can minimise risk by taking slightly earlier bus from Bristol)
- 689 service should be reliable as little traffic between Yate and Emerson's Green



- Run by Volunteers from Pucklechurch
 - Organisation
 - Drivers from Community
- Car supplied by South Glos. (Possibly)
- Scheme management decides on
 - Operating hours
 - Destinations served
 - Booking and "on-demand" service levels (if applicable)
- Cost is governed by Inland Revenue currently 40p/mile (for the vehicle – so multiple users share cost)
- Some schemes have a minimum charge

For example (Not Confirmed)



- Only operates to destinations not covered by bus service
 - Destinations without a service
 - Evenings (up to certain time) and Sundays
- Booking in advance
- On demand
 - only at certain times
 - Try and respond within 30 minutes
 - Meet a bus to Emerson's Green

Costs

Destination	Cost
Emerson's Green Bus/Sainsbury's	£2
Emerson's Green other destinations	£2.5
Staple Hill	£2.75
Fishponds	£3.5
Longwell Green	£4.25
Frenchay Hospital	£4.5
Yate	£5
Bath	£9.5
Kingswood	£4
Chipping Sodbury	£4
Bristol Parkway	£6

Funding Options



- Spread cost between local villages (Wick, Abson, Doynton, Dyrham and Hinton)
 - Would require new service
 - Raise funds through Precept (Parish Council)
- Seek funding from developers
- Provide business case to support a commercial service
- Raise fares
- Get Support and funding for a Community Car Scheme

Option: Route Information



- Forty-eight percent of people said that better route and timetable information would be highly likely (29%) or likely (19%) to attract them to using buses more.
- The routing of buses through Pucklechurch is not clear to the uninitiated!
 - A bus to Yate can leave from either side of Abson Road in the village centre
 - 689 operates one way round Oaktree Ave bit the 620 operates two ways
 - The 620 uses Westerleigh Road past the church but the 689 uses Castle Road

Options for Discussion



- Erecting signs at each stop clearly stating the destinations that each stop serves and possible connections.
- Would it help to have Yate buses always use the same side of the road in the centre of the village
 - But this would not be easy!
- Run buses one-way round Oaktree Ave
 - Remove the need for bus stops on the trading estate side

Information at Bus Stops



- Not easy for new bus user
- What do people think about the new signs?

@ 12:21 Next buses from:
Goldfinch Way
689 @ 12:28
689 @ 12:47
689 @ 13:28
Thanx 4 txting traveline

Where is the destination? Only gives timetable not actual situation





- Extending the Emerson's Green link will make the following extensions to the service more attractive (less cost)
 - Later return from Bristol for commuters
 - Sunday Service
 - Night buses for leisure activities in Bristol
- Need to look at additional services for:
 - Longwell Green (including late evening service)
 - Improve Service to Bath

Questions





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