

Appendix H.2 Bus Stop Review Analysis









Lucan to City Centre Core Bus Corridor Scheme

Bus Stop Review Analysis

March 2022

No.	Direction	Bus Stop		Existing Stop?	Proposal (Retained / Removed		Demand (Al	VI peak) 2028		Bus Lay-by o	or Onstreet	Proposed Bus Stop Capacity	Spacing of Bus Stops	Public Consultation Feedback (Any specific feedback on this
NO.	Direction	Name	No.	Existing stop?	/ New)	Local Services	Regional Services	Total Services	Passengers	Existing	Proposed	No. of Bays	(meters)	stop)
1		Lucan Retail Park	2234	Yes	Retained	17	0	17	2356	onstreet	onstreet	2	Start of Scheme	No
2		Hermitage Golf Club	2235	Yes	Removed			0	0	onstreet	N/A			No
3		Ballyowen Lane (near Hermitage Golf Club)	2236	Yes	Retained	45	5	50	4061	bus lay-by	bus lay-by	1	955	No
4		Hermitage Clinic (i)	2238	Yes	Removed			0	0	onstreet	N/A			
5		Hermitage Clinic (ii)	5056	Yes	Retained	48	2	50	4061	onstreet	onstreet	1	520	No
6		N4 inbound (near the inbound merge)	N/A	No	Removed			16	1960	N/A	bus lay-by	1		No
7		Liffey Valley, Kings Hospital	2239	Yes	Retained	53	19	72	6031	bus lay-by	bus lay-by	3	370	No
8		Hollyville Lawn, Lucan Old Road	4359	Yes	Removed			0	0	onstreet	N/A			
9	Inbound	Palmerstown, Old Lucan Road	4360	Yes	Removed			0	0	onstreet	N/A			
10		Mill Lane, Old Lucan Road	New	No	New	New	New	New	N/A	N/A	onstreet	1	180	No
11		Kennelsfort Road (Lower)	?	Yes	Removed			0	0	onstreet	N/A			
12		Chapelizod Bypass at Kennelsfort Road	2241	Yes	Retained	50	14	64	5751	onstreet	bus lay-by	1	1500	No
13		Palmerstown, Lucan Road (The Oval)	2242	Yes	Retained	50	14	64	5751	onstreet	bus lay-by	1	210	No
14		Chapelizod Bypass (over Chapelizod Hill Road)	New	No	New	46	14	60	5676	N/A	onstreet	1	1670	Yes
15		Islandbridge, Memorial Gardens gate	7435	Yes	Retained	50	40	90	6307	onstreet	onstreet	1	2300	Yes

No.	Direction	Bus Stop Name	Permeability Issue (Yes / No)	(I) Interchange Stop (i.e. stops both serving orbital and radial routes)	(II) If Yes, which Services	Distance from Controlled Pedestrian Crossing (meters)	Notes	Desgin Rationale
1		Lucan Retail Park	No	Yes	W4 (Orbital), 322, 323 &324 (Peak Time Routes)	15		 The existing Lucan Retail Park, Stop 2234, is proposed to be retained but relocated closer to the junction by approximately 25m. The existing stop was located approximately 90m from the controlled pedestrian crossing at the junction, the relocation will therefore improve pedestrian connecitivity to the stop. A double stop is proposed at this location due to the relatively high volumes or boarding and alighting, stop also serves orbital routes; A bus stop island has been introduced to enhance cycle permeability.
2		Hermitage Golf Club				>100		Existing bus stop is proposed to be removed due to: 1) The stop is situated over 100m from a pedestrian crossing; 2) Existing boarding and alighting data is relatively low; and 3) The stop is not paired with an outbound stop.
3		Ballyowen Lane (near Hermitage Golf Club)	No	Yes	321, 322, 323, 324, 325, 326, 327, 328 (Peak Time Routes)	Foot & Cycle Bridge (25m)		 Existing bus stop layby is proposed to be retained; Stop is located adjacent to existing golf club and residential catchment to the south of N4
4		Hermitage Clinic (i)				>100	Stop appears not to be in use	1) Existing stop to be removed. Stop is located in excess of 100m from a pedestrian crossing. 2) Stop located in close proximity to Stop 5056
5		Hermitage Clinic (ii)	Yes	No	N/A	50	1) Permeability - Existing boundary trees adjacent to bus stop	 1) Existing stop proposed to be retained 2) Minor relocation of the existing stop closer to the controlled pedestrian crossing; 3) A layby not proposed at this location for the following reasons: It is envisaged the majority of services will continue along the corridor therefore inline stop will not cause significant delay to bus journey times. Also their is an existing constraints at this location due to the existing stone wall boundary and trees.
6		N4 inbound (near the inbound merge)	Yes	No	N/A	>100	1) Permeability - Access for pedestrians	 1) Existing stop proposed to be removed for the following reasons: stop doesn't appear to be in use currently; stop is in an isolated location with no pedestrian crossing facilities; No catchment is available from this stop
7		Liffey Valley, Kings Hospital	No	Yes	G2 (Branch Route), S4 &W2 (Orbital Routes)	10		 1) Existing layby to be relocated west of its current location, for the following reasons: To provide a greater distance for buses exiting the layby to get in lane across M50; To tie in with a new pedestrian crossing into Liffey Valley shopping centre; To tie in with the cycle route along the quietway. 2) The existing layby has capacity for approx 2 buses. The new layby proposed to be extended to provide additional capacity. A total of 74 services is projected in the AM peak, proposed design will provide capacity for approx 5 buses stopping at this location, which will ensure there will be limited delay to bus journey time
8		Hollyville Lawn, Lucan Old Road						1) Bus stop to be removed from Old Lucan Road for the following reasons: - introduction of two way cycle route; - bus services not proposed along this section - Bus stops and services will be available in Palmerstown Village
9	Inbound	Palmerstown, Old Lucan Road						1) Bus stops on a services will be available in values of val
10	indoaria	Mill Lane, Old Lucan Road	No	No	N/A	10		 New stop proposed at this location for the following reasons: Stop located near nursing home; stop located in Palmerstown Village; Paired inbound and outbound stops
11		Kennelsfort Road (Lower)						2) Bus Stop island is proposed to minimise delay for cycle flows Existing bus stop proposed to be removed from this location for the for the following reasons: - nearby stops proposed on Chapelizod Bypass and also also Lucan Old Road.
12		Chapelizod Bypass at Kennelsfort Road	No	No	N/A	40		 1) Existing bus stop is proposed to be retained in its current location; 2) Proposals include a new controlled pedestrian crossing on Chapelizod bypass (eastern arm), to enhance pedestrian connectivity between inbound and outbound stops; 3) Existing in-line stop replaced by a new layby. This is due to the high volume of bus services in the morning peak, 64 buses per hour. Layby will assist to minimise delay along the corridor when a bus is stopped at this location 4) Bus stop island not required as advisory cycle route is along Lucan Road
13		Palmerstown, Lucan Road (The Oval)	No	No	N/A	30	1) Permeability - Pedestrian Crossing is proposed on the west arm of The Oval junction	 1) Existing stop proposed to be relocated prior to junction for the following reasons: Proposed layby to be introduced due to the high volumne of services on the CBC at this location; At the existing location, it was not feasible to introduce a layby due to the existing Petrol Filling Station. The proposed relocated stop utilises an existing grass verge to accomodate the layby; New pedestrian footpath and crossing proposed to connect the inbound and outbound stops
14		Chapelizod Bypass (over Chapelizod Hill Road)	No	No	N/A	10		1) Proposed double layby. Stop proposed to provide enhance accessibility for the nearby residential and commercial areas to CBC
15		Islandbridge, Memorial Gardens gate	Yes	No	N/A	80	1) Permeability - Existing boundary wall and trees adjacent to bus stop	 1) Existing stop to be retained but proposed to be relocated closer to the junction for the following reasons: Proposed to be located immediately adjacent to a controlled pedestrian crossing; proposed to be located near to the entrance of the memorial gardens 2) Layby considered at this location but due to existing land constraints associated with the existing memorial gardens and boundary wall, layby at this location deemed not feasible

No.	Direction	Bus Stop		Existing Stop?	Proposal (Retained / Removed		Demand (Al	VI peak) 2028		Bus Lay-by	or Onstreet	Proposed Bus Stop Capacity	spacing of Bus stops	Public Consultation Feedback (Any specific feedback on this
NO.	Direction	Name	No.	Existing Stop?	/ New)	Local Services	Regional Services	Total Services	Passengers	Existing	Proposed	No. of Bays	(meters)	stop)
16		Kilmainham Jail, Islandbridge, Memorial Park	2722	Yes	Retained	50	40	90	6307	onstreet	onstreet	2	350	<u>Yes</u>
17	-	Heuston Station, Saint John's Road West	4413	Yes	Retained	62	42	104	7578	onstreet	onstreet	2-3	1160	No
18		Heuston Station	New	No	New	New	New	New	N/A	N/A	onstreet	1	100	No
												Average Spacing (m):	847	
1	-	Heuston Station, Victoria Quay	4320	Yes	Retained	23	0	23	TBC	onstreet	onstreet	1	460	No
2		Outside Heuston Train Station / Heuston St	2637	Yes	Retained	57	24	81	1520	onstreet	onstreet	1	190	No
3		Islandbridge / SCR, Chapelizod Bypass	2721	Yes	Retained	43	6	49	9	onstreet	onstreet	2	1025	No
4		Memorial Gardens	7012	Yes	Retained	43	6	49	1135	onstreet	onstreet	1	385	<u>Yes</u>
5	-	Chapelizod Bypass (over Chapelizod Hill Road)	New	No	New	43	4	47	1113	N/A	onstreet	1	2300	Yes
6		Palmerstown Drive, Lucan Road	2201	Yes	Removed			51	1128	onstreet	onstreet	1		No
7	-	The Oval	7239	Yes	Retained	47	4	51	993	onstreet	bus lay-by	1	1660	No
8	1	Palmerstown, Lucan Road	TBC	Yes	Retained	47	4	51	993	onstreet	bus lay-by	1	320	No
9		Palmerston, Palmerstown Village	2212	Yes	Retained	N/A	N/A	N/A	N/A	onstreet	onstreet	1	200	No
10		Mill Lane, Old Lucan Road	New	No	New	New	New	N/A	N/A	N/A	onstreet	1	365	No
11		Old Lucan Rd / Kenelsfort Road	New	No	Removed	New	New	N/A	N/A	N/A	onstreet		200	No
12		Hollyville Lawn, Old Lucan Road	4357	Yes	Removed			0	0	onstreet	N/A			

No.	Direction	Bus Stop	Permeability Issue	(I) Interchange Stop (i.e. stops both serving orbital	(II) If Yes, which Services	Distance from Controlled Pedestrian Crossing	Notes	Desgin F
		Name	(Yes / No)	and radial routes)		(meters)		
16		Kilmainham Jail, Islandbridge, Memorial Park	Yes	No	N/A	220	1) Permeability - Existing boundary wall and trees adjacent to bus stop	1) Existing stop prop 2) Layby considered at this location but not 3) Relocating the stop closer to the pedestrian cross retension of the left turn lane, to cater for the approv 2019 s 4) Double stop proposed to cater for 2 buses stopp and alighting data du
17		Heuston Station, Saint John's Road West	No	Yes	O, S2 & N2 (Orbital Routes)	70		 Existing stop location is proposed to be retained. T line stop for the l to cater for a new bus stop island to pro Physical constraints from achieving a layby at
18		Heuston Station	No	Yes	O, S2 & N2 (Orbital Routes)	15		1) New two way bus gate infront of Heuston Stati provide direct acces
			1					-
1		Heuston Station, Victoria Quay	No	Yes	O, S2 & N2 (Orbital Routes)	15		1) Proposed PC3 drawing does now not extend to
								1) Existing stop proposed to be relocated east to a ne
2		Outside Heuston Train Station / Heuston St	No	Yes	O, S2 & N2 (Orbital Routes)	20		be intr 2) Double stop layby proposed d 3) Relocated bus stops to be situa 4) Note: The existing stop caters for 3 buses. It was r HSE due to the constraints (existing mature trees). Th supplement the pro-
3		Islandbridge / SCR, Chapelizod Bypass	Yes	No	N/A	165	1) Permeability - Existing boundary wall and trees adjacent to bus stop. Bus Stop is far from the R11/R148 junction	 Existing bus stop is proposed to be relocated existence of the clocated within 100m of the clocated within 100m of the clocated within 100m of the clocated at this location due to the and embankment at this location, an inline 3) Double stop proposed due
4		Memorial Gardens	Yes	No	N/A	85	1) Permeability - Existing boundary wall and trees adjacent to bus stop	 1) Existing Memorial Gardens stop is proposed to located adjacent to a 2) A layby was considered at this location due to th and embankment at this location, an inline 3) A double stop was considered at this location b information, it was considered that a single stop w
5		Chapelizod Bypass (over Chapelizod Hill Road)	No	No	N/A	10		1) Proposed new stop at Chapelizod Hill Road, 2) Proposed double layby, the layby will facilitate b waiting buses upor 3) Double stop proposed at this location to
6		Palmerstown Drive, Lucan Road	No	No	N/A	200		 1) Existing stop propose The stop is not paire Stop not situated within 10 Due to the high volume of services, a layby is a prefintroduce layby at this lo It was considered that stop can be removed
7		The Oval	No	No	N/A	70		1) Existing stop proposed to be retained, layby to be bus journ
8	-	Palmerstown, Lucan Road	No	No	N/A	15	1) Permeability - Pedestrian Crossing is proposed	1) Existing stop retained, layby introduced due to the assist to minimise impact of wait
9		Palmerston, Palmerstown Village	No	No	N/A	15		1) Existing stop proposed to be removed . Stop is loc the village (Mill Lane), which is a more suitable loca greater catchment area, whilst also facilitating the r
10		Mill Lane, Old Lucan Road	No	No	N/A	20		1) Proposed new stop to serve Palmerstown Village and also situated 2) Stop was proposed at PC2 stage, it is now propose Palmersto
11]	Old Lucan Rd / Kenelsfort Road	No	No	N/A	20		 Stop was proposed at PC2 stage on Lucan Road (a been removed due to rationalisation, given that a sto junction. This will assist to enhance
12		Hollyville Lawn, Old Lucan Road						1) Bus stop to be removed from Old - introduction of to - bus services not prop - Bus stops and services will be

gin Rationale
proposed to be retained.
not feasible due to existing physical constraints;
crossing considered but not feasible due to the proposed
prox 400 left turners in the morning peak hour (from base
19 surveys);
opping. This is due to the relatively high (>100) boarding
a during the peak periods
ed. The existing layby is proposed to be amended to an in- the following reasons:
provide enhanced off road facility for cyclists.
y at this location due to the existing station building
Station. New inbound stop proposed at this location to
ccess to station and luas
to Victoria Quay. Stop removed from Bus Stop Analysis
a new location to allow for a double bus stop and layby to introduced.
ed due to the high volume of services
ituated adjacent to pedestrian crossing
as not feasible to accomodate a triple stop infront of the
s). Therefore the existing online stop has been retained to
e proposed double layby
ed east by approximately 70m to ensure the bus stop is
he controlled pedestrian crossing;
o the volume of services, but due to existing railway line
nline service was considered more appropriate; due to the high volume of services.
d to be relocated west by approx 50m to ensure stop is
to a pedestrian crossing;
o the volume of services, but due to existing railway line
nline service was considered more appropriate;
on but following a review of the boarding and alighting
p would be sufficient for the anticipated demand at this
location
bad, which will enhance accessibility to the corridor ate buses stopping at this location to minimise impact of
upon bus journey times.
n to cater for potential demand at this locaiton.
posed to be removed due to:
aired with an inbound stop;
in 100m of a pedestrian crossing;
preferred arrangement of this corridor. It is not feasible to
his location without landtake.
noved and catchment served by stop at the Oval
 be introduced to minimise impact of waiting buses upon ourney times.
the high volume of services along the corridor, layby will
waiting buses upon bus journey times
s located within the village, but a new stop is proposed in
location to accommodate waiting facilities and provide a
he rationalisation of stops to improve bus journey times.
lage. Stop is located on Mill Lane to cater for catchment
ted near nursing home
posed to relocate the stop to facilitate better catchment in
erstown Village
ad (at the junction with Kennelsfort Lower). Stop has now
a stop is already located along Lucan Road at the Mill Lane
nce bus journey times through the village
Old Lucan Road for the following reasons:
of two way cycle route; proposed along this section
l be available in Palmerstown Village
a a a a a a a a a a a a a a a a a a a

No.	Direction	Bus Stop		Existing Stop?	Proposal (Retained / Removed / New)	Demand (AM peak) 2028				Bus Lay-by or Onstreet		Proposed Bus Stop Capacity	spacing of bus stops	Public Consultation Feedback (Any specific feedback on this
		Name	No.			Local Services	Regional Services	Total Services	Passengers	Existing	Proposed	No. of Bays	(meters)	stop)
13		Liffey Valley	2213	Yes	Retained	50	8	58	1074	bus lay-by	bus lay-by	3	1400	No
14		Clarion Hotel	2214	Yes	Retained	45	5	50	1009	bus lay-by	bus lay-by	1	360	No
15		St Loman's Hospital	2215	Yes	Retained	45	5	50	1009	onstreet	bus lay-by	2	650	No
16		Ballyowen Lane	2216	Yes	Retained	45	5	50	1004	bus lay-by	bus lay-by	1	435	No
17		Ballyowen, Slip Road onto the N4	4599	Yes	Retained	27	0	27	482	onstreet	onstreet	1 Average Spacing:	500 697	No

No.	Direction	Bus Stop	Permeability Issue	(I) Interchange Stop (i.e. stops both serving orbital	(II) If Yes, which Services	Distance from Controlled Pedestrian Crossing	Notes	Desgin R	
		Name	(Yes / No)	and radial routes)		(meters)		Dosyn Ru	
13		Liffey Valley	No	Yes	G2 (Branch Route), S4 &W2 (Orbital Routes)	15		 1) Existing layby to be relocated west of its - To tie in with a new pedestrian crossi 2) The existing layby has capacity for approx 2 buses additional capacity. A total of 74 services is projec capacity for approx 5 buses stopping at this location, journed 	
14		Clarion Hotel	Yes	No	N/A	>100	1) Permeability - Pedestrian crossing required towards the	 Bus stop and layby proposed to be retained as a indicating the sto 	
15		St Loman's Hospital	No	No	N/A	170		 Existing stop proposed to be upgraded to a doub permits and also to minimise the impact or 	
16		Ballyowen Lane	Yes	No	N/A	>100	 Permeability - Existing boundary wall and trees 	1) Existing stop proposed to be upgraded to a layby. L also to minimise the impact of stop	
17		Ballyowen, Slip Road onto the N4	Yes	Yes	W4 (Orbital)	115		1) Existing bus stop to be retained. Ayby considered feasiling bus stop to be retained.	

Rationale

- its current location, for the following reasons: rossing into Liffey Valley shopping centre; uses. The new layby proposed to be extended to provide ojected in the AM peak, proposed design will provide ion, which will ensure there will be limited delay to bus
- rney time as a relatively high volume of boarding and alighting,
- as a relatively high volume of boarding and alignting, e stop is well utilised. double layby. Layby proposed at this location as space act of stopping buses upon bus journey times. by. Layby proposed at this location as space permits and stopping buses upon bus journey times. dered at this location but due to constraints, it is not logatible
- asible.

















































