







Street Light no.	Location	Mounting Type	Comments	Photo	Replacement Budget
1	Top of footway – Broad Lane	Concrete Post	<p>Currently 35w Sox, Gamma 6 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Replace with Windsor inc steel column (24w PLL) £1,693</p>
2	Broad Lane north opposite Church Leys	Concrete Post	<p>Currently 35w Sox, Gamma 6 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Replace with Windsor inc steel column (24w PLL) £1,693</p>
9	Broad Lane – Saxon House	Steel Column Galvanised	<p>Currently 35w Sox, Phillips MI26 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Cut hockey stick off column, install Windsor head (24w PLL) £1,399</p>
26	Broad Lane	Steel Column Galvanised	<p>Currently 70w Son, WRLT SRL 870N Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Replace head with Windsor (24w PLL) £1,399</p>

28	Imley Lodge – 46 Broad Lane	Steel Column Galvanised	<p>Currently 35w Sox, Phillips MI26 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Cut hockey stick off column, install Windsor head (24w PLL) £1,399
32	32 Broad Lane	Steel Column Galvanised	<p>Speed watch sign attached.</p> <p>Currently 35w Sox, Phillips MI26 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Cut hockey stick off column, install Windsor head (24w PLL) £1,399
29	Broad Lane north opposite no. 14	Steel Column Galvanised	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Cut hockey stick off column, install Windsor head (24w PLL) £1,399
36	Broad Lane	Steel Column Galvanised	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Cut hockey stick off column, install Windsor head (24w PLL) £1,399

37	Bus Shelter –Broad Lane	Steel Column Galvanised	<p>Currently 55w Sox, Phillips MI36 Approx cost @15.75p/kwhr - £46.31</p> <p>Replacement Options A 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Cut hockey stick off column, install Windsor head (24w PLL) £1,399
3	Church Leys – 1 st on right	Concrete Post	<p>Currently 35w Sox, Gamma 6 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Option A - Replace with Windsor inc column (24w PLL) £0 Order Placed
4	Church Leys – outside no.9	Concrete Post	<p>Currently 35w Sox, Gamma 6 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Option A - Replace with Windsor inc column (24w PLL) £0 Order Placed
5	Church Leys – outside no. 19	Concrete Post	<p>Currently 35w Sox, Gamma 6 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace with Windsor inc column (24w PLL) £1,693



33	Corner of Spencer Close, Broad Lane	Steel Column Powder Coated Black	<p>Currently 70w Son, Urbis Alley Sealsafe Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260
34	Spencer Close	Steel Column Powder Coated Black	<p>Currently 70w Son, Urbis Alley Sealsafe Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260
35	Spencer Cl. Opposite no.2	Steel Column Powder Coated Black	<p>Currently 70w Son, Urbis Alley Sealsafe Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260
6	Lawyers Cl. South opposite no. 3	Bracket on BT pole	<p>Currently 70w Son, Phillips ME70 Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307


7	Lawyers Close	Bracket on BT pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Replace head with Windsor inc bracket (24w PLL) £0</p> <p>Order Placed</p>
8	22 Lawyers Close	Bracket on BT pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Replace head with Windsor inc bracket (24w PLL) £0</p> <p>Order Placed</p>
11	School Lane opposite no. 18	Bracket on Elec + BT pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Replace head with Windsor inc bracket (24w PLL) £1,307</p>
10	School Lane North opposite no.8	Bracket on old BT pole	<p>Currently 70w Son, Phillips ME70 Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		<p>Replace head with Windsor inc bracket (24w PLL) £1,307</p>

12	1 Rudgeway	Steel Column Galvanised	<p>Currently 70w Son, WRTL SRL 870N Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Cut hockey stick off column, install Windsor head (24w PLL) £1,399
13	49 The Green	Wall bracket	<p>Currently 50w Son, Windsor Decorative Approx cost @15.75p/kwhr - £42.34</p> <p>Replacement Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260
26	Red Lion The Green	Wall bracket	<p>Currently 70w Son, WRTL SRL 870N Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307
15	5 Mixbury Road	Bracket on new elec pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307

16	4 Bicester Hill Next to pub	Bracket on BT pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307
17	6 Bicester Hill	Bracket on BT pole	<p>Currently 70w Son, Phillips ME70 Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307
18	10 Bicester Hill	Bracket on BT pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307
14	The Green (opposite Red Lion)	Bracket on old BT pole	<p>Recently Replaced Currently (TBC) 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		£0

19	35A The Green	Bracket on elec pole	<p>Currently 50w Son, Windsor Decorative Approx cost @15.75p/kwhr - £42.34</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260
20	23 The Green, on shop & post office	Wall bracket	<p>Currently 50w Son, Windsor Decorative Approx cost @15.75p/kwhr - £42.34</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260
21	9/10 The Green	Wall bracket	<p>Currently 50w Son, Windsor Decorative Approx cost @15.75p/kwhr - £42.34</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260
22	Village Hall The Green	Wall bracket	<p>Currently 50w Son, Windsor Decorative Approx cost @15.75p/kwhr - £42.34</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Conversion Kit (24w PLL) £260

23	Cherry Trees, Church Lane North (next to allotments)	Bracket on pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307
24	The Barn, Church Lane	Bracket on elec pole	<p>Currently 35w Sox, Thorn Beta 5 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307
30	Church Lane, by kissing gates	Steel Column Galvanised	<p>Currently 35w Sox, Gamma 6 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor (24w PLL) Budget £1,000
34	Church Lane, opposite entrance to Church	Bracket on elec & BT pole	<p>Currently 70w Son, Urbis Alley Sealsafe Approx cost @15.75p/kwhr - £55.57</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Replace head with Windsor inc bracket (24w PLL) £1,307

31	Church Lane, next to no. 29	Steel Column Galvanised	<p>Currently 35w Sox, Gamma 6 Approx cost @15.75p/kwhr - £37.04</p> <p>Replacement 24w PLL Approx cost @15.75p/kwhr - £16.54</p>		Cut hockey stick off column, install Windsor head (24w PLL) £1,399
----	-----------------------------	----------------------------	--	---	---

Notes

Need to replace the Sox lights as a priority as Phillips have turned off production of the bulbs etc.

Cost calculations

Assumptions

Electricity cost 15.75p/kwhr (most recent EON Invoice)

Lights operating 4,200hrs/yr

Usage per light type:

Fixture	Usage	Kwhrs Usage	Annual Cost
24w PLL	25w	105.0	£16.54
35w Sox	56w	235.2	£37.04
36w PLL	38w	159.6	£25.14
45w CPO	46w	193.2	£30.43
50w Son	64w	268.8	£42.34
55w Sox	70w	294.0	£46.31
70w Son	84w	352.8	£55.57

Usage x Operating hours (kwhrs usage) x Unit Cost

Summary Light No	Replacement Cost	Running Cost		
		Current	Proposed	Saving
1	£1,693.00	£37.04	£16.54	£20.50
2	£1,693.00	£37.04	£16.54	£20.50
9	£1,399.00	£37.04	£16.54	£20.50
26	£1,399.00	£55.57	£16.54	£39.03
28	£1,399.00	£37.04	£16.54	£20.50
32	£1,399.00	£37.04	£16.54	£20.50
29	£1,399.00	£37.04	£16.54	£20.50
36	£1,399.00	£37.04	£16.54	£20.50
37	£1,399.00	£46.31	£16.54	£29.77
3	£0.00	£37.04	£16.54	£20.50
4	£0.00	£37.04	£16.54	£20.50
5	£1,693.00	£37.04	£16.54	£20.50
33	£260.00	£55.57	£16.54	£39.03
34	£260.00	£55.57	£16.54	£39.03
35	£260.00	£55.57	£16.54	£39.03
6	£1,307.00	£55.57	£16.54	£39.03
7	£0.00	£37.04	£16.54	£20.50
8	£0.00	£37.04	£16.54	£20.50
11	£1,307.00	£37.04	£16.54	£20.50
10	£1,307.00	£55.57	£16.54	£39.03
12	£1,399.00	£55.57	£16.54	£39.03
13	£260.00	£42.34	£16.54	£25.80
26	£1,307.00	£55.57	£16.54	£39.03
15	£1,307.00	£37.04	£16.54	£20.50
16	£1,307.00	£37.04	£16.54	£20.50
17	£1,307.00	£55.57	£16.54	£39.03
18	£1,307.00	£37.04	£16.54	£20.50
14	£0.00	£16.54	£16.54	£0.00
19	£260.00	£42.34	£16.54	£25.80
20	£260.00	£42.34	£16.54	£25.80
21	£260.00	£42.34	£16.54	£25.80
22	£260.00	£42.34	£16.54	£25.80
23	£1,307.00	£37.04	£16.54	£20.50
24	£1,307.00	£37.04	£16.54	£20.50
30	£1,000.00	£37.04	£16.54	£20.50
34	£1,307.00	£55.57	£16.54	£39.03
31	£1,399.00	£37.04	£16.54	£20.50
Total	£35,127.00	£1,571.05	£611.98	£959.07

Proposal

Replace all lights with Windsor style heads to include modern, energy efficient lamp fittings.

Upgrade existing Windsor lights with energy efficient fittings.

Total Cost £35,127.00 (Ex VAT)

Total Saving £959.07/yr

Funding Options

HS2 Community & Environment Fund

Salix Finance

Public Works Loan

Example Cost of Borrowing (using indicative Public Works Loan rate @ 2.17%)

Total Replacement £35,127.00 ex VAT

£37k (inc c5% contingency)

Repayment over 15 years £2,466.67

Interest @2.17% £802.90

Total Annual £3,269.57

Budget target cost £3,923.00

Reduced Public Works Loan indicative rate for <14.5 years @ 1.87%

Repayment over 11.5 years £3,217.39

Interest £691.90

Total £3,909.29