



Blackburn with Darwen

Asset Management Prioritisation Tool

Signals Priority Identification Inputs and Outputs

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Signal Assets including Type

Site Number	Site Name	Type
2	Shear Brow / Revidge Road / Lammack Road / Pleckgate Road	Signal Junction
5	Accrington Road/Whitebirk Rd	Signal Junction
6	Preston Old Road/Buncer Lane	Signal Junction
7	Whalley New Rd / Plane St / Whalley Range	Signal Junction
8	Darwen St / Jubilee St / Mill Ln	Signal Junction
9	Preston New Rd / Billinge End Rd / Revidge Rd	Signal Junction
10	Mincing Ln / St Peters St	Signal Junction
11	Yew Tree Dr / Preston New Rd	Signal Junction
12	Bolton Rd/Russell Street	Signal Junction
13	Wainwright Way / Canterbury St	Signal Junction
14	Preston New Rd / Montague St	Signal Junction
16	Whitebirk Drive / Brownhill Drive / Whalley Old Rd	Signal Junction
17	Whitebirk Dr / Philips Rd	Signal Junction
19	Whalley Range / Brook House Ln / Earl St	Signal Junction
20	Yew Tree Dr / Lammack Rd	Signal Junction
21	Montague St / Feilden St	Signal Junction
22	Accrington Rd / Audley Range	Signal Junction
23	King St / Montague St	Signal Junction
24	Roman Road/Stopes Brow	Signal Junction
25	Blackamoor Rd / Walker Rd	Signal Junction
26	Darwen Street Bridge	Signal Junction
27	Bolton Rd / Aqueduct Rd	Signal Junction
28	Bolton Rd / Branch Rd	Signal Junction
29	Whalley New Rd / Parsonage Rd	Signal Junction
30	Audley Range / Queens Park Rd	Signal Junction
32	Park Rd / Russell St	Signal Junction
34	Ramsgreave Dr / Pleckgate Rd	Signal Junction
35	Bolton Rd / Hardman Way	Signal Junction
36	Church Street / Borough Rd / Bolton Rd	Signal Junction
37	Bury Street/Police Street	Signal Junction
38	Preston Old Rd / Witton Park	Signal Junction
39	Barbara Castle Way / Penny St / Larkhill	Signal Junction
40	Barbara Castle Way / Ainsworth St	Signal Junction
41	Barbara Castle Way / Victoria St	Signal Junction
42	Barbara Castle Way / Preston New Rd	Signal Junction
43	Green Lane / Canal Bridge	Signal Junction
44	Bolton Rd / Infirmary Rd	Signal Junction
45	Brownhill Dr / Emerald Ave	Signal Junction

46	Bolton Rd / Livesey Branch Rd / Ewood Park	Signal Junction
47	Brownhill Rbt / Brownhill Dr / Ramsgreave Dr / Whalley New Rd	Signal Junction
48	Blackburn Rd/Earcroft Way	Signal Junction
49	Bolton Rd/Cravens Brow/Oakdale	Signal Junction
51	Hardman Way / Redearth Rd / Sudell Rd / Bridge St	Signal Junction
52	Copy Nook / Higher Audley St	Signal Junction
53	Higher Eanam / Higher Barn St	Signal Junction
54	Lower Audley St / Bennington St / Higher Audley St / Audley Range	Signal Junction
55	Barbara Castle Way / Montague St	Signal Junction
56	Bolton Rd / Nova Scotia Retail Park	Signal Junction
57	Lower Audley St / Mayson St	Signal Junction
58	Higher Eanam / Eden St	Signal Junction
59	Blackburn Rd / Hollins Grove St / Earnsdale Rd	Signal Junction
60	M65 J4/Darwen Services	Signal Junction
62	Haslingden Road / Blackamoor Road / School Lane	Signal Junction
64	A6077 / M65 J5	Signal Junction
65	Furthergate / Burnley Rd	Signal Junction
66	Furthergate / Harwood St	Signal Junction
67	Carl Fogarty Way / Gorse St	Signal Junction
68	Issa Way / Roman Road / Newfield Drive	Signal Junction
5002	Whalley Range / Ribble Street	Pedestrian Crossing
5003	Bolton Rd / Longshaw Ln	Pedestrian Crossing
5004	Shadsworth Rd / Dunoon Dr	Pedestrian Crossing
5005	Shadsworth Rd / Rothesay Rd	Pedestrian Crossing
5006	Hollin Bridge St / Grafton St	Pedestrian Crossing
5007	Whalley New Rd / Bastwell Rd	Pedestrian Crossing
5009	Whalley Old Rd / St Stephens Rd	Pedestrian Crossing
5010	Shadsworth Rd / North Rd	Pedestrian Crossing
5011	Haslingden Road / Old Bank Lane	Pedestrian Crossing
5012	Montague St / Nab Lane	Pedestrian Crossing
5013	Redlam Brow / Garden St	Pedestrian Crossing
5014	Bank Top / Duckworth St	Pedestrian Crossing

5018	Preston Old Rd / Geddes St	Pedestrian Crossing
5020	Whalley New Rd / Emerald St	Pedestrian Crossing
5021	Livesey Branch Rd / Moorgate St	Pedestrian Crossing
5022	Preston New Rd / Saunders Rd	Pedestrian Crossing
5024	Livesey Branch Rd / Kings Rd	Pedestrian Crossing
5025	Wainwright Way / St Peter St	Pedestrian Crossing
5029	Blackburn Rd / Anchor Rd	Pedestrian Crossing
5031	Duckworth St / Heys Lane	Pedestrian Crossing
5032	Blackburn Rd / Cavendish St	Pedestrian Crossing
5033	Blackburn Rd / Hollins Rd	Pedestrian Crossing
5034	Blackburn Road/Darwen Vale HS	Pedestrian Crossing
5037	Brownhill Dr / Roe Lee Park / St Gabriels Ave	Pedestrian Crossing
5039	Bolton Rd / Stewart St	Pedestrian Crossing
5040	Buncer Lane / Higher Witton Rd	Pedestrian Crossing
5041	Astley Gate / Darwen St	Pedestrian Crossing
5042	Higher Audley St / Ciceley Ln	Pedestrian Crossing

Signal Priority Ranking Criteria

To take a data led approach to asset management, a set of criteria and scoring system has been developed. All signal sites were assigned a score according to the criteria below.

Type	Criteria	Scoring	Explanation
Hierarchy	A	20	Weighting based on the signal's location on the network through Road Classification
	B	15	
	C	10	
	U	5	
Accidents	Yes	5	If a traffic accident has occurred within 100m of the signal
	No	0	
Education	Yes	5	If the signal is within the vicinity of an education facility, i.e. School/Nursery
	No	0	
Healthcare	Yes	5	If the signal is within the vicinity of a Hospital, Clinic, Surgery etc
	No	0	
Retail	Yes	2	If the signal is within the vicinity of a Supermarket or Retail Park
	No	0	
Bus Stops	Yes	2	If the signal is within 100m of a Bus Stop incl. Bus Stations
	No	0	
Railway Station	Yes	2	If the signal is within the vicinity of a Railway Station
	No	0	
Speed Limit	60	9	Weighting based on the signal's location on the network through Speed Limit
	50	8	
	40	7	
	30	6	
	20	5	
Crossing Type	Signal Junction	2	Weighting dependant on the type of Signal
	Pedestrian Junction	0	

TSOG Application Additional Priority Ranking Criteria

In the case of the priority ranking for the TSOG application, a further priority was added to the existing Signal priority. Three key factors were established as common issues:

- Halogen Lamp Obsolescence;
- Communication Renewal; and
- Structural Issues.

Ensuring that signals already programmed for upgrade, either through other DfT Highway Maintenance funds or BSIP Programme, were not double counted these specific signals have been removed from the ranking process.

To utilise funds efficiently, the count of key factors at each signal location was also applied a scoring to prioritise those locations with multiple issues.

The criteria and assigned score:

Item	Criteria	Scoring	Explanation
Key Issue	Halogen Lamp Obsolescence	10	Weighting applied to the category of issue requiring funding, where the higher score deemed the highest priority requiring funding
	Communication Renewal	5	
	Structural Issues	8	
Count	3	10	Weighting applied for how many categories each signal is requiring funding for (i.e. Halogen Lamp Obsolescence and Structural Issues would have a Count of 2, therefore a scoring of 8)
	2	8	
	1	5	

TSOG Application Site Ranking

TSOG Priority	Site Code	Site Name
1	20	Yew Tree Dr / Lammack Rd
2	5033	Blackburn Rd / Hollins Rd
3	5032	Blackburn Rd / Cavendish St
4	5004	Shadsworth Rd / Dunoon Rd
5	14	Preston New Rd / Montague St
6	49	Bolton Rd Cravens Brow
7	44	Bolton Rd / Infirmary Rd
8	5005	Shadsworth Rd / Rothesay Rd
9	5018	Preston Old Rd / Geddes St
10	60	M65 J4 / Darwen Services
11	40	Barbara Castle Way / Ainsworth St
12	5021	Livesy Branch Rd / Moorgate St
13	5007	Whalley New Rd / Bastwell Rd
14	11	Yew Tree Dr / Preston New Rd
15	5012	Montague St / Nab Ln
16	5020	Whalley New Rd / Emerald St
17	32	Park Rd / Russell St
18	35	Bolton Rd / Hardman Way
19	55	Barbara Castle Way / Montague St
20	56	Bolton Rd / Nova Scotia Retail Park
21	5042	Higher Audley St / Ciceley Ln
22	5006	Hollin Bridge St / Grafton St
23	5034	Blackburn Rd / Darwen Vale
24	5	Accrington Rd / Whitebirk Rd
25	5022	Preston New Rd / Saunders Rd
26	5013	Bank top / Garden St
27	36	Darwen Circus / Borough Rd / Railway Rd / Bolton Rd
28	12	Bolton Rd / Russell St
29	5010	Shadsworth Rd / North Rd
30	5024	Livesy Branch Rd / Kings Rd
31	62	Haslingden Road / Blackamoor Rd
32	6	Preston Old Rd / Buncer Ln
33	7	Whalley New Road / Plane St
34	16	Whitebirk Dr / Brownhill Dr
35	46	Bolton Rd / Livesey Branch Rd
36	57	Lower Audley St / Mayson St
37	25	Blackamoor Rd / Walker Rd
38	47	Brownhill RAB / Ramsgreave Dr

39	5031	Duckworth St / Heys Ln
40	5029	Blackburn Rd / Anchor Ln
41	5003	Bolton Rd / Longshaw Ln
42	10	Mincing Ln / St Peters St
43	29	Whalley New Rd / Parsonage Rd
44	45	Brownhill Dr / Emerald Av
45	5040	Higher Witton Rd / Buncer Ln
46	68	Roman Rd / Issa Way
47	2	Pleckgate Rd / Revidge Rd
48	9	Preston New Rd / Revidge Rd
49	17	Whitebirk Dr / Phillips Rd
50	34	Ramsgreave Dr / Pleckgate Rd
51	59	Blackburn Rd / Hollins Grove St
52	19	Whalley Range / Brookhouse Ln
53	5037	Brownhill Dr / St. Gabriels Av
54	38	Preston Old Rd / Witton Park
55	67	Carl Fogarty Way / Gorse St
56	5041	Astley Gate / Darwen St
57	43	Green Ln Canal Bridge
58	8	Darwen St / Jubilee St

TSOG Signal Priority Sites

