

A47 Blofield to North Burlingham

F r o m A S T	Noise	
	Air Quality	
	Greenhouse gases	
	Landscape	
	Townscape	
	Historic Environment	
	Biodiversity	
	Water Environment	
Env Comments		
T o t a l s	Large adverse	-3
	Moderate adverse	-2
	Slight adverse	-1
	Neutral	0
	Slight beneficial	1
	Moderate Beneficial	2
Large Beneficial	3	
Total from above		

ENVIRONMENTAL RANKING

Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8
Neutral	Slight adverse	Slight adverse	Slight adverse	Moderate adverse	Slight beneficial	Slight beneficial	Slight beneficial
Neutral	Neutral	Slight adverse	Slight adverse	Neutral	Neutral	Neutral	Neutral
Neutral	Neutral	Neutral	neutral	Neutral	Neutral	Neutral	Neutral
Neutral	Slight adverse	Moderate adverse	Moderate adverse	Moderate adverse	Moderate adverse	Slight adverse	Slight adverse
Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral
Slight adverse	Slight adverse	Slight adverse	Slight adverse	Slight adverse	Slight adverse	Slight adverse	Slight adverse
Slight adverse	Slight adverse	Large Adverse	Large Adverse	Slight adverse	Slight adverse	Slight adverse	Slight adverse
Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral

Option 5 close to Lingwood including local Church and Primary School which significantly increases exposure to noise / new road visual intrusion

0	0	1	1	0	0	0	0
0	0	1	1	2	1	0	0
2	4	3	3	2	2	3	3
6	4	3	3	4	4	4	4
0	0	0	0	0	1	1	1
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

-2	-4	-8	-8	-6	-3	-2	-2
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1	5	7	7	6	4	1	1
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Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8
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Benchmark	currently scored / measured as
4.215	length in KM
0	0-3
28.12	area in ha (new)
1	0-6
0	0-3
6	0-6
0	0-3
0	0-3

m e a s u r e d	Length (common start and end point) (km)		
	Construction Impact		
	Landtake (Fence to Fence excluding areas of existing roads) (Ha)		
	General Alignment - standards		
	Accomodation works		
	Geotechnical		
	Structures		
	Impact on Stats		
	Eng comment:		
	Buildability		
	Landtake		
General Alignment			
Accomodation works			
Geotechnical			
Structures			
Impact on Stats			
sum of engineering ranks			

4.215	4.23	4.43	4.295	4.55	4.34	4.24	4.22
0	1	3	3	3	2	2	1
28.12	30.05	33.53	26.87	21.22	22.13	22.45	20.3
1	4	2	2	5	1	6	6
0	0	1	1	1	2	3	3
6	6	0	2	1	3	5	6
0	2	3	3	2	2	1	1
0	2	3	3	2	1	1	1

Numerous STAS located in / around verge of existing line of A47. High Pressure Gas Main located in the southern verge, extending East towards Acle. Medium Pressure Gas Main heading south towards Lingwood. Some 11kv Over Heads in Area. Worst affecting Options 1,6,7,8.

8	6	1	1	1	4	4	6
6	7	8	5	2	3	4	1
7	4	5	5	3	7	1	1
7	7	4	4	4	3	1	1
1	1	8	6	7	5	4	1
8	3	1	1	3	3	6	6
8	3	1	1	3	5	5	5
45	31	28	23	23	30	25	21

ENGINEERING RANKING

8	7	5	2	2	6	4	1
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Length (common start and end point) (km)	
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4.215	4.23	4.43	4.295	4.55	4.34	4.24	4.22
Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8

Transportation Impact	
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4.215	4.23	4.43	4.295	4.55	4.34	4.24	4.22
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TRANSPORTATION RANKING

1	3	7	5	8	6	4	2
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ome	
90.974	
113.718	
1.25	

New D2 Construction Length (km)	
Offline Length	
Online Length	
Cost	
Benefits	
BCR	

Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8	Benchmark	%
3.7	3.8	4.2	4.03	4.5	4	3.85	3.88	3.7	
0	2.925	3.495	3.32	3.92	3.19	2.92	3.04	0	0
3.7	0.875	0.705	0.71	0.58	0.81	0.93	0.84	3.7	1
90.974	81.446	88.946	85.483	94.580	85.278	82.696	82.942	90.974	
113.718	113.315	108.199	111.600	105.345	110.443	113.047	113.583	113.718	
1.250	1.391	1.216	1.306	1.114	1.295	1.367	1.369	1.25	

cost/km	offline	online	multiplier	1.2
cost/km	20.48964	24.58757		

BCR RANKING

6	1	7	4	8	5	3	2
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Combination of Rankings from Environmental, Engineering, Transportation, BCR to give overall ranking								
Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8	
sum of 4 ranks								
16	16	26	18	24	21	12	6	
3	3	8	5	7	6	2	1	
Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Option 7	Option 8	

COMBINED RANKING 2 - RANKING BY COMBINING RANKING PLACES FROM EACH OF 5 RANKINGS ABOVE