

Appendix O High Level Mitigation Costs

Hop Oast Roundabout - Construction Cost Estimate

	DESCRIPTION	Q	UNIT	RATE	Total
	Cost based on Stantec drawing 48559/5501/SK004-P01				
1.1	Site Clearance				
	General site clearance	1	item	£3,000	£3,000
	Take down existing sign	30	no	£250	£7,500
	Break out existing kerb	1500	m	£20	£30,000
	Remove existing lighting column	13	no	£500	£6,500
	Remove existing traffic signal poles and controller	0	item	£7,500	£0
	Remove existing gully	23	no	£200	£4,600
	Removal VRS	320	m	£100	£32,000
1.2	Excavation and Disposal				
	Earthworks (material to be removed to tip off site)	2000	m ³	£12.50	£25,000
	Excavation in hard dig	3500	m ³	£25	£87,500
	Disposal	700	m ³	£50	£35,000
1.3	New kerbing				
	New kerbing	1600	m	£50	£80,000
	New edging	500	m	£30	£15,000
1.4	New Construction				
	New carriageway	2250	m ²	£100	£225,000
	Re-surface / overlay in layby area	2250	m ²	£25	£56,250
	New footway	1000	m ²	£50	£50,000
1.5	Street furniture, signing and road markings				
	Signage (small) - assumed to replace existing	30	no	£500	£15,000
	Signage (large)	10	no	£3,000	£30,000
	Road markings (single visit)	3	item	£10,000	£30,000
	Chevroflex	4	no	£500	£2,000
1.6	Drainage works				
	Gullies (new replacement gullies and additional from the scheme)	50	no	£500	£25,000
	Manholes (provisional)	30	no	£3,500	£105,000
	Drain runs (assumed using existing network) - provisional	500	m	£200	£100,000
1.7	Miscellaneous				
	Lighting columns	13	no	£3,000	£39,000
	Traffic signals new - controller, poles, ducting etc.	8	item	£30,000.00	£240,000
	Landscaping	1	item	£100,000.00	£100,000
	New VRS (assumed to replace removed barriers)	320	m	£60	£19,200
	Sub-Total				£1,362,550
	Add 20% Preliminaries including traffic management				£272,510
	Add 20% contingency				£327,012
	Total				£1,962,072

Exclusions:

Ground Investigation / poor ground issues

Site surveys - topo, drainage etc.

Utility Diversions

VAT

Professional fees

Legal fees

Ecology

Traffic Management

Traffic Regulation Orders

A24/A272 Buck Barn Junction

	DESCRIPTION	Q	UNIT	RATE	Total
	Cost based on Stantec drawing 48559/5501/003				
1.1	Site Clearance				
	General site clearance	1	item	£6,000	£6,000
	Take down existing sign	21	no	£250	£5,250
	Break out existing kerb	2150	m	£20	£43,000
	Remove existing lighting column	0	no	£500	£0
	Remove existing traffic signal poles and controller	20	item	£7,500	£150,000
	Remove existing gully	12	no	£200	£2,400
1.2	Excavation and Disposal				
	Excavation in hard dig	12000	m ³	£25	£300,000
	Excavation in soft	8150	m ³	£26	£211,900
	Disposal	4030	m ³	£50	£201,500
1.3	New kerbing				
	New kerbing	3210	m	£50	£160,500
	New edging	0	m	£30	£0
1.4	New Construction				
	New carriageway	960	m ³	£100	£96,000
	Re-surface / overlay in layby area	580	m ³	£25	£14,500
	New footway	30	m ²	£50	£1,500
1.5	Street furniture, signing and road markings				
	Signage (small) - assumed to replace existing	30	no	£500	£15,000
	Signage (large) - assumed to replace existing	10	no	£3,000	£30,000
	Road markings (single visit)	3	item	£10,000	£30,000
1.6	Drainage works				
	Gullies (new replacement gullies and additional from the scheme)	30	no	£500	£15,000
	Manholes (provisional)	20	no	£3,500	£70,000
	Drain runs (assumed using existing network) - provisional	1000	m	£200	£200,000
1.7	Miscellaneous				
	Lighting columns	20	no	£3,000	£60,000
	Traffic signals new - controller, poles, ducting etc.	30	item	£30,000.00	£900,000
	Landscaping	1	item	£100,000.00	£100,000
	New VRS (assumed to replace removed barriers)	1	m	£30,000	£30,000
	Sub-Total				£2,642,550
	Add 20% Preliminaries including traffic management				£528,510
	Add 20% contingency				£634,212
	Total				£3,805,272

Exclusions:

Ground Investigation / poor ground issues
 Site surveys - topo, drainage etc.
 Utility Diversions
 VAT
 Professional fees
 Legal fees
 Ecology
 Traffic Management
 Traffic Regulation Orders

Washington Roundabout

	DESCRIPTION	Q	UNIT	RATE	Total
	Cost based on Stantec drawing 48559/5501/002				
1.1	Site Clearance				
	General site clearance	1	item	£3,000	£3,000
	Take down existing sign	13	no	£250	£3,250
	Break out existing kerb	645	m	£20	£12,900
	Remove existing lighting column	8	no	£500	£4,000
	Remove existing traffic signal poles and controller	0	item	£7,500	£0
	Remove existing gully	7	no	£200	£1,400
1.2	Excavation and Disposal				
	Excavation in hard dig	500	m ³	£25	£12,500
	Excavation in soft	1820	m ³	£26	£47,320
	Disposal	2320	m ³	£50	£116,000
1.3	New kerbing				
	New kerbing	1200	m	£50	£60,000
	New edging	500	m	£30	£15,000
1.4	New Construction				
	New carriageway	2500	m ²	£100	£250,000
	Re-surface / overlay in layby area	2000	m ²	£25	£50,000
	New footway	1000	m ²	£50	£50,000
1.5	Street furniture, signing and road markings				
	Signage (small) - assumed to replace existing	20	no	£500	£10,000
	Signage (large) - assumed to replace existing	5	no	£3,000	£15,000
	Road markings (single visit)	3	item	£10,000	£30,000
1.6	Drainage works				
	Gullies (new replacement gullies and additional from the scheme)	30	no	£500	£15,000
	Manholes (provisional)	10	no	£3,500	£35,000
	Drain runs (assumed using existing network) - provisional	300	m	£200	£60,000
1.7	Miscellaneous				
	Lighting columns	17	no	£3,000	£51,000
	Traffic signals new - controller, poles, ducting etc.	24	item	£30,000.00	£720,000
	Landscaping	1	item	£10,000.00	£10,000
	New VRS (assumed to replace removed barriers)	0	m	£60	£0
	Sub-Total				£1,571,370
	Add 20% Preliminaries including traffic management				£314,274
	Add 20% contingency				£377,129
	Total				£2,262,773

Exclusions:

Ground Investigation / poor ground issues
 Site surveys - topo, drainage etc.
 Utility Diversions
 VAT
 Professional fees
 Legal fees
 Ecology
 Traffic Management
 Traffic Regulation Orders

Steyning Road

Description	Q	UNIT	RATE	TOTAL
1.1 Site Clearance				
General site clearance	1	item		
Take down existing signs	4	no.		
Remove existing illuminated bollard	3	no.		
Break out existing kerb	300	m		
Remove existing gully	9	no.		
Remove length of gully connection	45	m		
Break out existing traffic island	53	m ²		

1.2 Excavation and Disposal
Excavation in soft dig
Excavation hard dig

A24 / Steyning Road - Construction Cost Estimate					
	DESCRIPTION	Q	UNIT	RATE	Total
	Cost based on Stantec drawing 48559/5501_001				
1.1	Site Clearance				
	General site clearance	1	item	£3,000	£3,000
	Take down existing sign	2	no	£250	£500
	Break out existing kerb	217	m	£20	£4,340
	Remove existing lighting column	0	no	£500	£0
	Remove existing traffic signal poles and controller	0	item	£7,500	£0
	Remove existing gully	9	no	£200	£1,800
1.2	Excavation and Disposal				
	Excavation in hard dig	350	m ³	£25	£8,750
	Disposal	350	m ³	£50	£17,500
1.3	New kerbing				
	New kerbing	690	m	£50	£34,500
	New edging	0	m	£30	£0
1.4	New Construction				
	New carriageway	1000	m ²	£100	£100,000
	Re-instatement of existing carriageway to verge	750	m ²	£25	£18,750
	New footway	500	m ²	£50	£25,000
1.5	Street furniture, signing and road markings				
	Signage (small)	4	no	£500	£2,000
	Signage (large)	4	no	£3,000	£12,000
	Road markings (single visit)	2	item	£10,000	£20,000
1.6	Drainage works				
	Gullies (assumed to use existing pipe that will be extended)	10	no	£500	£5,000
	Manholes (provisional)	2	no	£3,500	£7,000
	Drain runs	200	m	£200	£40,000
1.7	Miscellaneous				
	Lighting columns	2	no	£3,000	£6,000
	Traffic signals reinstatement - controller, poles, ducting etc.	1	item	£30,000.00	£30,000
	Landscaping	1	item	£25,000.00	£25,000
	Sub-Total				£361,140
	Add 20% Preliminaries including traffic management				£72,228
	Add 20% contingency				£86,674
	Total				£520,042

Exclusions:

Ground Investigation / poor ground issues
 Site surveys - topo, drainage etc.
 Utility Diversions
 VAT

Professional fees
 Legal fees
 Traffic Management
 Traffic Regulation Orders
 Vehicle Restraint systems