

Wantage and Grove Station
SLC Rail

18/06/2018
Revision 2.00
2Q17

Summary

Section / Area	Total Cost	Range of Costs	
		Max	Min
Site C	13,023,041	18,232,257	7,813,824
Site F Option 1	11,973,113	16,762,358	7,183,868

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Risks, Opportunities & Notes

All notes relating to estimating assumptions included on individual measurement sheets or listed below.

It is assumed that all works take place in accordance with Local Authority approvals and do not require additional or extraordinary land acquisition.

No inclusion for VAT has been made.

It is assumed that capacity of services and ducts are sufficient for described works unless otherwise stated.

It is assumed that excessive possession costs will be negotiated at the planning stages however the costs included within this estimate allows for 'normal' possession costs.

All groundworks and disposal costs included assume no asbestos or hazardous materials will need to be removed. Asbestos surveys and ground investigation should be utilised prior to working.

No fees for statutory authorities or third-party relationships have been included however costs for NR involvement have been allowed for in the Indirect costs section.

TOC compensation elements have been allowed for however these costs may change depending upon individual contractual arrangements at each location.

The base date for each estimate is 2nd Quarter 2017, there is no need at this stage for any inflation to be allocated to the costs within these estimates.

The estimates within this estimate should only be used in conjunction with the minimum and maximum range of costs.

The indirect percentage uplifts have been applied without any knowledge of the site or the conditions.

Opportunities to fine tune the estimate and subsequently decrease the estimate costs exist, particularly when the scope of railway works is clearer in definition and scope.

The possession regime assumed allows for 8 midweek night possessions and also assumes that the majority of the works can be carried out behind a blue fence regime with associated safe systems of working.

The main cost differential with Site E Option 1 revolves around the length of the new access road, required to traffic the site during construction and when the station is in full use and operation.

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Collection & Indirect Cost

Section / Area	Construction Cost	Contractors Prelims, PM & Insurances		Contractors Overheads & Profit		Design Costs		NR Sponsors Costs, NRFF, IRF etc		TOC Compensation		Client Management Costs		Total Cost	Estimating Certainty	
															+40%	-40%
Site C	7,399,455	26%	1,923,858	10%	739,946	10%	739,946	15%	1,109,918	5%	369,973	10%	739,946	13,023,041	18,232,257	7,813,824
Site F Option 1	6,802,905	26%	1,768,755	10%	680,291	10%	680,291	15%	1,020,436	5%	340,145	10%	680,291	11,973,113	16,762,358	7,183,868

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Site C

Item Ref	Description	Qty	Unit	Rate	Total	Notes
C/010	Site Clearance	51750	m2	5.00	258,750	Site Area, includes deveg and tree removal
C/020	Associated civil engineering works	1	Sum	50,000.00	50,000	Minimal allowance due to flat surroundings; allowance for cut and fill
C/030	Platforms; 2Nr; 142m long	852	m2	1,000.00	852,000	Assumed cross wall and plank construction
C/040	Secondary Means of Escape	426	m	165.00	70,290	Rate includes for fence 1 side of SME,
C/050	Steps to SME's	4	Nr	1,250.00	5,000	Concrete base, timber steps, keyclamp type handrail
C/060	Footbridge; 45m x 2m; Parapet Walls; Open sheltered roof; Lights	90	m2	3,150.00	283,500	
C/070	Lift	2	Nr	165,000.00	330,000	8 Person lift
C/080	Stairwell surrounding lift shaft on South Side of line	1	Nr	50,000.00	50,000	
C/090	Stairwell within station building	1	Nr	45,000.00	45,000	
C/100	Connection of footbridge to station building	1	Sum	50,000.00	50,000	Extra Over allowance to Station Fabric rate for structural strengthening and sealing etc.
C/110	Macemain type shelter	2	Nr	26,500.00	53,000	
C/120	Station Building	500	m2	2,200.00	1,100,000	Medium specification
C/130	Canopy to Station Entrance; steel	120	m2	275.00	33,000	Includes structural elements
C/140	CIS Screen	6	Nr	10,000.00	60,000	2 Screens in station, 2 Screens on each platform
C/150	Telecoms server and associated equipment	1	Sum	20,000.00	20,000	Server, Next Train Describer, Clock Interface, wiring, Real Time Links and air conditioning to server room
C/160	TVM	2	Nr	40,000.00	80,000	
C/170	PA System	1	Nr	37,120.00	37,120	Includes system server, wiring, trunking and speakers mounted on lighting columns or in station concourse (8 Nr Speakers)
C/180	CCTV	1	Nr	42,920.00	42,920	Includes system server, wiring, trunking and cameras mounted on lighting columns or in station concourse (10 Nr cameras)
C/190	Signage	1	Nr	9,500.00	9,500	Based upon 30 signs around station and platforms at £75, 5 signs at £250 and 4 Arterial Road signs at £1500
C/200	Ticket Barriers	4	Nr	37,500.00	150,000	
C/210	Works to Utility Diversions for Station	1	Sum	100,000.00	100,000	
C/220	Works to Café	1	Sum	13,000.00	13,000	£3k for seating and £10k for fit out
C/230	Security and Safety system allowances	1	Sum	75,000.00	75,000	£25k for Fire, £25k for Security and £25k for Help Points and BWIC
C/240	Station Site furniture; Cycle racks	1	Sum	25,000.00	25,000	
C/250	Station Site furniture; Seating etc	1	Sum	25,000.00	25,000	
C/260	Paving	1050	m2	90.00	94,500	On-Site walkways and also one side of access road
C/270	Road Way	5525	m2	185.00	1,022,125	Includes drainage, lining and kerbing
C/280	Car Parking; 350 Nr Spaces	350	Nr	1,750.00	612,500	Includes circulation space and landscaping
C/290	Lighting to Car Park	8	Nr	2,500.00	20,000	
C/300	Lighting to Platforms, Road and Station	40	Nr	2,200.00	88,000	
C/310	Extra over sum for shrub lined walkways and roads	750	m	35.00	26,250	
C/320	OLE Works	1	Sum	564,000.00	564,000	Assumes 8 Structure moves at £65k each, 4Nr Isolations at £6k each and registration / adjustments to 200m x 2 at £50/m
C/330	Signalling Works	1	Sum	574,000.00	574,000	Assumes 4 new signals at £100k each, 2000 hours at £75/hr for programming etc, £10k for Signal Sighting and 200m x 2 x £35/m for trougthing adjustments
C/340	Signal Moves	2	Nr	100,000.00	200,000	Signals in advance of new station
C/350	Update records	1	Nr	10,000.00	10,000	
C/360	Possessions	1	Sum	120,000.00	120,000	Assumes 8Nr Possessions possession management at £15k each
C/370	Water management; Attenuation and/or parking SUDS	1	Sum	100,000.00	100,000	
C/380	Works to existing highway on A338	1	Sum	150,000.00	150,000	
Scheme Costs					7,399,455	

Site F Option 1

Item Ref	Description	Qty	Unit	Rate	Total	Notes
F/010	Site Clearance	30000	m2	5.00	150,000	Site Area, includes deveg and tree removal
F/020	Associated civil engineering works	1	Sum	50,000.00	50,000	Minimal allowance due to flat surroundings; allowance for cut and fill
F/030	Platforms; 2Nr; 142m long	852	m2	1,000.00	852,000	Assumed cross wall and plank construction
F/040	Secondary Means of Escape	426	m	165.00	70,290	Rate includes for fence 1 side of SME,
F/050	Steps to SME's	4	Nr	1,250.00	5,000	Concrete base, timber steps, keyclamp type handrail
F/060	Footbridge; 45m x 2m; Parapet Walls; Open sheltered roof; Lights	90	m2	3,150.00	283,500	
F/070	Lift	2	Nr	165,000.00	330,000	8 Person lift
F/080	Stairwell surrounding lift shaft on South Side of line	1	Nr	50,000.00	50,000	
F/090	Stairwell within station building	1	Nr	45,000.00	45,000	
F/100	Connection of footbridge to station building	1	Sum	50,000.00	50,000	Extra Over allowance to Station Fabric rate for structural strengthening and sealing etc.
F/110	Macemain type shelter	2	Nr	26,500.00	53,000	
F/120	Station Building	500	m2	2,200.00	1,100,000	Medium specification
F/130	Canopy to Station Entrance; steel	120	m2	275.00	33,000	Includes structural elements
F/140	CIS Screen	6	Nr	10,000.00	60,000	2 Screens in station, 2 Screens on each platform
F/150	Telecoms server and associated equipment	1	Sum	20,000.00	20,000	Server, Next Train Describer, Clock Interface, wiring, Real Time Links and air conditioning to server room
F/160	PA System	1	Nr	37,120.00	37,120	Includes system server, wiring, trunking and speakers mounted on lighting columns or in station concourse (8 Nr Speakers)
F/170	CCTV	1	Nr	42,920.00	42,920	Includes system server, wiring, trunking and cameras mounted on lighting columns or in station concourse (10 Nr cameras)
F/180	Signage	1	Nr	9,500.00	9,500	Based upon 30 signs around station and platforms at £75, 5 signs at £250 and 4 Arterial Road signs at £1500
F/190	Ticket Barriers	4	Nr	37,500.00	150,000	
F/200	Works to Utility Diversions for Station	1	Sum	100,000.00	100,000	
F/210	Works to Café	1	Sum	13,000.00	13,000	£3k for seating and £10k for fit out
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F/230	Station Site furniture; Cycle racks	1	Sum	25,000.00	25,000	
F/240	Station Site furniture; Seating etc	1	Sum	25,000.00	25,000	
F/250	Paving	630	m2	90.00	56,700	On-Site walkways and also one side of access road
F/260	Road Way	3525	m2	185.00	652,125	Includes drainage, lining and kerbing
F/270	Car Parking; 350 Nr Spaces	350	Nr	1,750.00	612,500	Includes circulation space and landscaping
F/280	Lighting to Car Park	8	Nr	2,500.00	20,000	
F/290	Lighting to Platforms, Road and Station	40	Nr	2,200.00	88,000	
F/300	Extra over sum for shrub lined walkways and roads	750	m	35.00	26,250	
F/310	OLE Works	1	Sum	564,000.00	564,000	Assumes 8 Structure moves at £65k each, 4Nr Isolations at £6k each and registration / adjustments to 200m x 2 at £50/m
F/320	Signalling Works	1	Sum	574,000.00	574,000	Assumes 4 new signals at £100k each, 2000 hours at £75/hr for programming etc, £10k for Signal Sighting and 200m x 2 x £35/m for troughing adjustments
F/330	Signal Moves	2	Nr	100,000.00	200,000	Signals in advance of new station
F/340	Update records	1	Nr	10,000.00	10,000	
F/350	Possessions	1	Sum	120,000.00	120,000	Assumes 8Nr Possessions possession management at £15k each
F/360	Water management; Attenuation and/or parking SUDS	1	Sum	100,000.00	100,000	
F/370	Highway Works to Denchworth Road	1	Sum	150,000.00	150,000	Approximate sum for enhancements to estate roads for increased traffic.
Scheme Costs					6,802,905	

Estimate Information

Project Title:	Wantage and Grove Station
Client:	SLC Rail
Project Number:	2035
Date of Estimate:	18 June 2018
Cost Base Date:	2Q17
Estimate Version:	Revision 2.00