

ROUGH ORDER COST ESTIMATE
**Woodend East ODP
Do Minimum**

 Checked by: Nigel Lister
 Date: 19/09/2007

Item	Description	Unit	Quantity	Rate	Amount
1	PRELIMINARY & GENERAL				
1.1	Establishment on Site	LS	1	\$2,000.00	\$2,000.00
1.2	Traffic Control	LS	1	\$40,000.00	\$40,000.00
1.3	Survey Mark Protection and Reinstatement (Provisional Item)	PS	1	\$5,000.00	\$5,000.00
1.4	Geotechnical Investigation (20 testpits and scalas)	LS	1	\$6,500.00	\$6,500.00
1.5	Protection and Relocation of Existing Services (Provisional Sum)	PS	1	\$8,000.00	\$8,000.00
2	EXCAVATION AND EARTHWORKS				
2.1	Cut to Waste (Solid) (Includes 30% contingency)	m ³	12,569	\$10.00	\$125,685.00
2.2	Bulkfill (Solid) (Includes 20% contingency)	m ³	700	\$25.00	\$17,500.00
2.3	Undercut unsuitable Material (Provisional Item)	m ³	70	\$18.00	\$1,260.00
2.4	Backfill unsuitable areas (Provisional Item)	m ³	70	\$30.00	\$2,100.00
2.5	Strip Topsoil, Stockpile and Spread (100mm depth)	m ³	1,530	\$12.50	\$19,125.00
3	PAVEMENT CONSTRUCTION				
3.1	Tie Into Existing Seal	No	3	\$500.00	\$1,500.00
3.2	M/4 AP40 (solid) for Pavement Construction (150mm depth) (excludes Gladstone Rd from Petries to Pegasus)	m ³	2,171	\$65.00	\$141,141.00
3.3	AP65 (solid) for Pavement Construction (depth - 350mm local, 400mm collector) (excludes Gladstone Rd from Petries to Pegasus)	m ³	5,089	\$43.00	\$218,809.80
3.4	Geogrid (Provisional Item)	m ²	30	\$6.00	\$180.00
3.5	Filter Fabric (Provisional Item)	m ²	13,576	\$3.00	\$40,728.00
5	FOOTPATH & CYCLEWAY				
5.1	New Footpath (including Asphaltic Concrete)	m ²	4,185	\$35.00	\$146,475.00
5.2	Combined Cycleway & Walkway (from Petries Rd to Park)	m ²	-	\$35.00	\$0.00
5.3	New Footpath in Urban Area (700m x 1.6m)	m ²	1,120	\$35.00	\$39,200.00
6	SURFACING				
6.1	Grade 3&5 chipseal	m ²	18,900	\$5.50	\$103,950.00
6.2	Asphaltic Concrete	m ²	-	\$40.00	\$0.00
7	TRAFFIC CALMING				
7.1	Traffic Islands	No	-	\$3,000.00	\$0.00
7.2	Holland Pavers at thresholds	m ²	-	\$100.00	\$0.00
8	DRAINAGE WORKS				
8.1	Removal to waste of existing Headwalls / Wingwalls	LS	-	\$4,000.00	\$0.00
8.2	Design, Supply and Install Culvert Unit	LS	-	\$10,000.00	\$0.00
8.3	Construct new Headwall and Wingwalls	LS	-	\$4,000.00	\$0.00
8.4	Stormwater Pipe (300mm diam) (30% of length of K&C)	m	1,049	\$184.00	\$193,016.00
8.5	Double Sumps (every 50m)	No	70	\$1,500.00	\$105,000.00
8.6	Extend Culverts	No	3	\$1,500.00	\$4,500.00
8.7	Kerb & Channel (excl basecourse)	m	3,495	\$40.00	\$139,800.00
8.8	Swale Drain Formation	m	700	\$6.00	\$4,200.00
9	FENCE WORK				
9.1	Remove Existing Fence	m	1,620	\$4.00	\$6,480.00
9.2	Erect New Temporary Fence	m	1,620	\$10.00	\$16,200.00
10	SIGNAGE & MARKINGS				
10.1	Pavement Marking	LS	1	\$8,000.00	\$8,000.00
10.2	Relocate Existing Signs	No	-	\$240.00	\$0.00
10.3	Install New Give Way Signs	No	-	\$400.00	\$0.00
10.4	Install New Permanent Warning Signs	No	-	\$380.00	\$0.00
11	LAND PURCHASE	m ²	4,840	\$25.00	\$121,000.00
12	PROFESSIONAL FEES	LS	1	\$139,700.00	\$139,700.00
	TOTAL COST (Excluding GST)				\$1,657,049.80
				TOTAL (Rounded)	\$1,657,000.00

ROUGH ORDER COST ESTIMATE
Woodend East ODP
Option 1 - Eders Road as Collector Road

Item	Description	Unit	Quantity	Rate	Amount
1	PRELIMINARY & GENERAL				
1.1	Establishment on Site	LS	1	\$2,000.00	\$2,000.00
1.2	Traffic Control	LS	1	\$97,000.00	\$97,000.00
1.3	Survey Mark Protection and Reinstatement (Provisional Item)	PS	1	\$5,000.00	\$5,000.00
1.4	Geotechnical Investigation (40 testpits and scalas)	LS	1	\$13,000.00	\$13,000.00
1.5	Protection and Relocation of Existing Services (Provisional Sum)	PS	1	\$10,000.00	\$10,000.00
2	EXCAVATION AND EARTHWORKS				
2.1	Cut to Waste (Solid) (Includes 30% contingency)	m ³	43,520	\$10.00	\$435,200.00
2.2	Bulkfill (Solid) (Includes 20% contingency)	m ³	2,195	\$25.00	\$54,862.50
2.3	Undercut unsuitable Material (Provisional Item)	m ³	130	\$18.00	\$2,340.00
2.4	Backfill unsuitable areas (Provisional Item)	m ³	130	\$30.00	\$3,900.00
2.5	Strip Topsoil, Stockpile and Spread (100mm depth)	m ³	7,227	\$12.50	\$90,340.25
3	PAVEMENT CONSTRUCTION				
3.1	Tie Into Existing Seal	No	3	\$500.00	\$1,500.00
3.2	M/4 AP40 (solid) for Pavement Construction (150mm depth)	m ³	7,289	\$65.00	\$473,785.00
3.3	AP65 (solid) for Pavement Construction (depth - 350mm local, 400mm collector)	m ³	19,793	\$43.00	\$851,099.00
3.4	Geogrid (Provisional Item)	m ²	70	\$6.00	\$420.00
3.5	Filter Fabric (Provisional Item)	m ²	32,200	\$3.00	\$96,600.00
4	FOOTPATH & CYCLEWAY				
4.1	New Footpath (including Asphaltic Concrete and urban cycleway)	m ²	5,110	\$35.00	\$178,850.00
4.2	Combined Cycleway & Walkway (from Petries Rd to Park)	m ²	4,725	\$35.00	\$165,375.00
4.3	New Footpath in Urban Area (700m x 1.6m)	m ²	1,120	\$35.00	\$39,200.00
5	SURFACING				
5.1	Grade 3&5 chipseal	m ²	47,680	\$5.50	\$262,240.00
5.2	Asphaltic Concrete	m ²	12	\$40.00	\$480.00
6	TRAFFIC CALMING				
6.1	Traffic Islands	No	6	\$3,000.00	\$18,000.00
6.2	Holland Pavers at thresholds	m ²	210	\$100.00	\$21,000.00
7	DRAINAGE WORKS				
7.1	Removal to waste of existing Headwalls / Wingwalls	LS	1	\$4,000.00	\$4,000.00
7.2	Design, Supply and Install Culvert Unit	LS	1	\$10,000.00	\$10,000.00
7.3	Construct new Headwall and Wingwalls	LS	1	\$4,000.00	\$4,000.00
7.4	Stormwater Pipe (300mm diam) (30% of length of K&C)	m	1,040	\$184.00	\$191,360.00
7.5	Double Sumps (every 50m)	No	69	\$1,500.00	\$103,500.00
7.6	Extend Culverts	No	3	\$1,500.00	\$4,500.00
7.7	Kerb & Channel (excl basecourse)	m	3,465	\$40.00	\$138,600.00
7.8	Swale Drain Formation	m	4,480	\$6.00	\$26,880.00
8	FENCE WORK				
8.1	Remove Existing Fence	m	4,160	\$4.00	\$16,640.00
8.2	Erect New Temporary Fence	m	4,160	\$10.00	\$41,600.00
9	SIGNAGE & MARKINGS				
9.1	Pavement Marking	LS	1	\$10,000.00	\$10,000.00
9.2	Relocate Existing Signs	No	13	\$240.00	\$3,120.00
9.3	Install New Give Way Signs	No	2	\$400.00	\$800.00
9.4	Install New Permanent Warning Signs	No	2	\$380.00	\$760.00
10	LAND PURCHASE	m ²	12,490	\$25.00	\$312,250.00
11	PROFESSIONAL FEES	LS	1	\$337,800.00	\$337,800.00
	TOTAL COST (Excluding GST)				\$4,028,001.75
				TOTAL (Rounded)	\$4,028,000.00

ROUGH ORDER COST ESTIMATE
Woodend East ODP
Option 2 - Gladstone Road as Collector Road

Item	Description	Unit	Quantity	Rate	Amount
1	PRELIMINARY & GENERAL				
1.1	Establishment on Site	LS	1	\$2,000.00	\$2,000.00
1.2	Traffic Control	LS	1	\$97,000.00	\$97,000.00
1.3	Survey Mark Protection and Reinstatement (Provisional Item)	PS	1	\$5,000.00	\$5,000.00
1.4	Geotechnical Investigation (40 testpits and scalas)	LS	1	\$13,000.00	\$13,000.00
1.5	Protection and Relocation of Existing Services (Provisional Sum)	PS	1	\$10,000.00	\$10,000.00
2	EXCAVATION AND EARTHWORKS				
2.1	Cut to Waste (Solid) (Includes 30% contingency)	m ³	38,020	\$10.00	\$380,200.00
2.2	Bulkfill (Solid) (Includes 20% contingency)	m ³	2,195	\$25.00	\$54,862.50
2.3	Undercut unsuitable Material (Provisional Item)	m ³	130	\$18.00	\$2,340.00
2.4	Backfill unsuitable areas (Provisional Item)	m ³	130	\$30.00	\$3,900.00
2.5	Strip Topsoil, Stockpile and Spread (100mm depth)	m ³	6,802	\$12.50	\$85,020.25
3	PAVEMENT CONSTRUCTION				
3.1	Tie Into Existing Seal	No	3	\$500.00	\$1,500.00
3.2	M/4 AP40 (solid) for Pavement Construction (150mm depth)	m ³	7,288	\$65.00	\$473,720.00
3.3	AP65 (solid) for Pavement Construction (depth - 350mm local, 400mm collector)	m ³	19,748	\$43.00	\$849,164.00
3.4	Geogrid (Provisional Item)	m ²	70	\$6.00	\$420.00
3.5	Filter Fabric (Provisional Item)	m ²	32,200	\$3.00	\$96,600.00
5	FOOTPATH & CYCLEWAY				
5.1	New Footpath (including Asphaltic Concrete and urban cycleway)	m ²	5,160	\$35.00	\$180,600.00
5.2	Combined Cycleway & Walkway (from Petries Rd to Park)	m ²	4,725	\$35.00	\$165,375.00
5.3	New Footpath in Urban Area (700m x 1.6m)	m ²	1,120	\$35.00	\$39,200.00
6	SURFACING				
6.1	Grade 3&5 chipseal	m ²	47,380	\$5.50	\$260,590.00
6.2	Asphaltic Concrete	m ²	24	\$40.00	\$960.00
7	TRAFFIC CALMING				
7.1	Traffic Islands	No	6	\$3,000.00	\$18,000.00
7.2	Holland Pavers at thresholds	m ²	420	\$100.00	\$42,000.00
8	DRAINAGE WORKS				
8.1	Removal to waste of existing Headwalls / Wingwalls	LS	-	\$4,000.00	\$0.00
8.2	Design, Supply and Install Culvert Unit	LS	-	\$10,000.00	\$0.00
8.3	Construct new Headwall and Wingwalls	LS	-	\$4,000.00	\$0.00
8.4	Stormwater Pipe (300mm diam) (30% of length of K&C)	m	1,049	\$184.00	\$193,016.00
8.5	Double Sumps (every 50m)	No	70	\$1,500.00	\$105,000.00
8.6	Extend Culverts	No	3	\$1,500.00	\$4,500.00
8.7	Kerb & Channel (excl basecourse)	m	3,495	\$40.00	\$139,800.00
8.8	Swale Drain Formation	m	4,480	\$6.00	\$26,880.00
9	FENCE WORK				
9.1	Remove Existing Fence	m	4,160	\$4.00	\$16,640.00
9.2	Erect New Temporary Fence	m	4,160	\$10.00	\$41,600.00
10	SIGNAGE & MARKINGS				
10.1	Pavement Marking	LS	1	\$10,000.00	\$10,000.00
10.2	Relocate Existing Signs	No	13	\$240.00	\$3,120.00
10.3	Install New Give Way Signs	No	2	\$400.00	\$800.00
10.4	Install New Permanent Warning Signs	No	2	\$380.00	\$760.00
11	LAND PURCHASE	m ²	11,439	\$25.00	\$285,975.00
12	PROFESSIONAL FEES	LS	1	\$332,400.00	\$332,400.00
	TOTAL COST (Excluding GST)				\$3,941,942.75
				TOTAL (Rounded)	\$3,942,000.00

ROUGH ORDER COST ESTIMATE
Woodend East ODP
Option 3 - Petries Road as Collector Road

Item	Description	Unit	Quantity	Rate	Amount
1	PRELIMINARY & GENERAL				
1.1	Establishment on Site	LS	1	\$2,000.00	\$2,000.00
1.2	Traffic Control	LS	1	\$97,000.00	\$97,000.00
1.3	Survey Mark Protection and Reinstatement (Provisional Item)	PS	1	\$5,000.00	\$5,000.00
1.4	Geotechnical Investigation (40 testpits and scalas)	LS	1	\$13,000.00	\$13,000.00
1.5	Protection and Relocation of Existing Services (Provisional Sum)	PS	1	\$10,000.00	\$10,000.00
2	EXCAVATION AND EARTHWORKS				
2.1	Cut to Waste (Solid) (Includes 30% contingency)	m ³	41,320	\$10.00	\$413,200.00
2.2	Bulkfill (Solid) (Includes 20% contingency)	m ³	3,392	\$25.00	\$84,787.50
2.3	Undercut unsuitable Material (Provisional Item)	m ³	130	\$18.00	\$2,340.00
2.4	Backfill unsuitable areas (Provisional Item)	m ³	130	\$30.00	\$3,900.00
2.5	Strip Topsoil, Stockpile and Spread (100mm depth)	m ³	7,344	\$12.50	\$91,803.25
3	PAVEMENT CONSTRUCTION				
3.1	Tie Into Existing Seal	No	3	\$500.00	\$1,500.00
3.2	M/4 AP40 (solid) for Pavement Construction (150mm depth)	m ³	7,202	\$65.00	\$468,130.00
3.3	AP65 (solid) for Pavement Construction (depth - 350mm local, 400mm collector)	m ³	19,741	\$43.00	\$848,863.00
3.4	Geogrid (Provisional Item)	m ²	70	\$6.00	\$420.00
3.5	Filter Fabric (Provisional Item)	m ²	32,200	\$3.00	\$96,600.00
5	FOOTPATH & CYCLEWAY				
5.1	New Footpath (including Asphaltic Concrete and urban cycleway)	m ²	5,160	\$35.00	\$180,600.00
5.2	Combined Cycleway & Walkway (from Petries Rd to Park)	m ²	4,725	\$35.00	\$165,375.00
5.3	New Footpath in Urban Area (700m x 1.6m)	m ²	1,120	\$35.00	\$39,200.00
6	SURFACING				
6.1	Grade 3&5 chipseal	m ²	47,380	\$5.50	\$260,590.00
6.2	Asphaltic Concrete	m ²	12	\$40.00	\$480.00
7	TRAFFIC CALMING				
7.1	Traffic Islands	No	6	\$3,000.00	\$18,000.00
7.2	Holland Pavers at thresholds	m ²	210	\$100.00	\$21,000.00
8	DRAINAGE WORKS				
8.1	Removal to waste of existing Headwalls / Wingwalls	LS	-	\$4,000.00	\$0.00
8.2	Design, Supply and Install Culvert Unit	LS	-	\$10,000.00	\$0.00
8.3	Construct new Headwall and Wingwalls	LS	-	\$4,000.00	\$0.00
8.4	Stormwater Pipe (300mm diam) (30% of length of K&C)	m	1,062	\$184.00	\$195,408.00
8.5	Double Sumps (every 50m)	No	71	\$1,500.00	\$106,500.00
8.6	Extend Culverts	No	3	\$1,500.00	\$4,500.00
8.7	Kerb & Channel (excl basecourse)	m	3,540	\$40.00	\$141,600.00
8.8	Swale Drain Formation	m	4,460	\$6.00	\$26,760.00
9	FENCE WORK				
9.1	Remove Existing Fence	m	4,160	\$4.00	\$16,640.00
9.2	Erect New Temporary Fence	m	4,160	\$10.00	\$41,600.00
10	SIGNAGE & MARKINGS				
10.1	Pavement Marking	LS	1	\$10,000.00	\$10,000.00
10.2	Relocate Existing Signs	No	13	\$240.00	\$3,120.00
10.3	Install New Give Way Signs	No	2	\$400.00	\$800.00
10.4	Install New Permanent Warning Signs	No	2	\$380.00	\$760.00
11	LAND PURCHASE	m ²	13,553	\$25.00	\$338,825.00
12	PROFESSIONAL FEES	LS	1	\$337,200.00	\$337,200.00
TOTAL COST (Excluding GST)					\$4,047,501.75
TOTAL (Rounded)					\$4,048,000.00

ROUGH ORDER COST ESTIMATE
Woodend East ODP
Option 4 - Judsons Road as Collector Road

 Checked by: Nigel Lister
 Date: 19/09/2007

Item	Description	Unit	Quantity	Rate	Amount
1	PRELIMINARY & GENERAL				
1.1	Establishment on Site	LS	1	\$2,000.00	\$2,000.00
1.2	Traffic Control	LS	1	\$124,000.00	\$124,000.00
1.3	Survey Mark Protection and Reinstatement (Provisional Item)	PS	1	\$6,000.00	\$6,000.00
1.4	Geotechnical Investigation (52 testpits and scalas)	LS	1	\$16,900.00	\$16,900.00
1.5	Protection and Relocation of Existing Services (Provisional Sum)	PS	1	\$11,000.00	\$11,000.00
2	EXCAVATION AND EARTHWORKS				
2.1	Cut to Waste (Solid) (Includes 30% contingency)	m ³	60,920	\$10.00	\$609,200.00
2.2	Bulkfill (Solid) (Includes 20% contingency)	m ³	4,416	\$25.00	\$110,390.00
2.3	Undercut unsuitable Material (Provisional Item)	m ³	230	\$18.00	\$4,140.00
2.4	Backfill unsuitable areas (Provisional Item)	m ³	230	\$30.00	\$6,900.00
2.5	Strip Topsoil, Stockpile and Spread (100mm depth)	m ³	9,664	\$12.50	\$120,803.25
3	PAVEMENT CONSTRUCTION				
3.1	Tie Into Existing Seal	No	5	\$500.00	\$2,500.00
3.2	M/4 AP40 (solid) for Pavement Construction (150mm depth)	m ³	9,293	\$65.00	\$604,045.00
3.3	AP65 (solid) for Pavement Construction (depth - 350mm local, 400mm collector)	m ³	26,273	\$43.00	\$1,129,739.00
3.4	Geogrid (Provisional Item)	m ²	70	\$6.00	\$420.00
3.5	Filter Fabric (Provisional Item)	m ²	44,600	\$3.00	\$133,800.00
5	FOOTPATH & CYCLEWAY				
5.1	New Footpath (including Asphaltic Concrete and urban cycleway)	m ²	5,160	\$35.00	\$180,600.00
5.2	Combined Cycleway & Walkway (from Petries Rd to Park)	m ²	4,725	\$35.00	\$165,375.00
5.3	New Footpath in Urban Area (700m x 1.6m)	m ²	1,120	\$35.00	\$39,200.00
6	SURFACING				
6.1	Grade 3&5 chipseal	m ²	60,280	\$5.50	\$331,540.00
6.2	Asphaltic Concrete	m ²	12	\$40.00	\$480.00
7	TRAFFIC CALMING				
7.1	Traffic Islands	No	8	\$3,000.00	\$24,000.00
7.2	Holland Pavers at thresholds	m ²	210	\$100.00	\$21,000.00
8	INTERSECTION WORKS (SH1)				
8.1	New intersection	LS	1	\$30,000.00	\$30,000.00
8.2	Close and remove existing intersection	LS	1	\$15,000.00	\$15,000.00
9	DRAINAGE WORKS				
9.1	Removal to waste of existing Headwalls / Wingwalls	LS	-	\$4,000.00	\$0.00
9.2	Design, Supply and Install Culvert Unit	PS	1	\$10,000.00	\$10,000.00
9.3	Construct new Headwall and Wingwalls	PS	1	\$4,000.00	\$4,000.00
9.4	Stormwater Pipe (300mm diam) (30% of length of K&C)	m	1,062	\$184.00	\$195,408.00
9.5	Double Sumps (every 50m)	No	71	\$1,500.00	\$106,500.00
9.6	Extend Culverts	No	3	\$1,500.00	\$4,500.00
9.7	Kerb & Channel (excl basecourse)	m	3,540	\$40.00	\$141,600.00
9.8	Swale Drain Formation	m	6,960	\$6.00	\$41,760.00
10	FENCE WORK				
10.1	Remove Existing Fence	m	5,600	\$4.00	\$22,400.00
10.2	Erect New Temporary Fence	m	6,680	\$10.00	\$66,800.00
11	SIGNAGE & MARKINGS				
11.1	Pavement Marking	LS	1	\$15,000.00	\$15,000.00
11.2	Relocate Existing Signs	No	15	\$240.00	\$3,600.00
11.3	Install New Give Way Signs	No	3	\$400.00	\$1,200.00
11.4	Install New Permanent Warning Signs	No	4	\$380.00	\$1,520.00
12	LAND PURCHASE	m ²	34,253	\$25.00	\$856,325.00
13	PROFESSIONAL FEES	LS	1	\$430,400.00	\$430,400.00
	TOTAL COST (Excluding GST)				\$5,590,045.25
			TOTAL (Rounded)		\$5,590,000.00