

WASHINGTON

Avista 2019 Schedule 51

Cost

Workpapers

**Washington
Schedule 51
Summary**

	<u>Present</u>	<u>Proposed</u>
Developments	\$ 1,396	\$ 1,436
Builder/Service Charge	\$ 471	\$ 471

	<u>Present</u>	<u>Proposed</u>
<u>Overhead Primary Circuit:</u>		
Fixed Cost	\$ 4,323	\$ 4,253
Variable Cost	\$ 8.43	\$ 8.38

<u>Underground Primary Circuit</u>		
Fixed Costs	\$ 1,889	\$ 1,854
Variable Costs	\$ 11.24	\$ 11.23

<u>Underground Secondary Circuit</u>		
Fixed Costs	\$ 430	\$ 418
Variable Costs	\$ 9.93	\$ 10.42

<u>Overhead Secondary Circuit</u>		
Fixed Costs	\$ 1,785	\$ 1,774

Overhead Service Circuit	\$ 3.98	\$ 3.91
Underground Service Circuit	\$ 9.39	\$ 9.41

Overhead Transformer	\$ 2,381	\$ 2,310
Padmount Transformer	\$ 3,516	\$ 3,507



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858	Description: Development
Customer Name:	Est Date: Feb 18, 2019 7:37:44 AM
Work Zone: 15MIN	Design Version: 1
Service Address:	Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	1	116.95	\$0.00	\$4,999.69	\$0.00	\$14,480.92	\$0.00	\$0.00	\$11,417.35	\$0.00	\$2,164.62	\$0.00	\$10,008.35	\$0.00	\$43,070.93
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	25P-13-240/120 E \ UX \ TR	PAD XFMR, 25KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,242.46738915	\$2,242.47									
		50P-13-240/120 E \ UX \ TR	PAD XFMR, 50KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,521.664866077	\$2,521.66									
		CBLPUSH E \ UP \ EC	CABLE PUSH 4 HRS/CABLE/CONDUIT	1	651.30853334	\$651.31									
		BC15 E \ UP \ PC	BUSH CAP 15KV	2	31.67596302	\$63.35									
		GNDUG E \ UP \ GR	GROUND-AT PAD OR VAULT	2	104.71930281	\$209.44									
		JE1 E \ UP \ EN	JNCTN ENCL 1PH 15KV 4POS	2	1,086.78256162	\$2,173.57									
		JE1-GNDSLV E \ UP \ UE	GROUND SLV 1PH JE1 & JE1-25KV	2	375.16828485	\$750.34									
		37.5P-20-240/120 E \ UX \ TR	PAD XFMR, 37.5KVA, 1 PH, 20780/12000, 240/120V, NO TAPS	3	2,575.29265156	\$7,725.88									
		BOXPAD E \ UX \ UE	BOX PAD - 1PH PADMOUNT TRANSF	5	609.26904511	\$3,046.35									
		GNDUG E \ UX \ GR	GROUND-AT PAD OR VAULT	5	104.71930281	\$523.60									
		HH E \ UL \ HH	HANDHOLE 13 IN X 24 IN	8	213.94961182	\$1,711.60									
		2SWEEP E \ UP \ CD	SWEEP, 2 IN, 90 DEG PVC	12	23.47602245	\$281.71									
		EB15 E \ UP \ PC	ELBW 15KV FOR #1 ALCN	12	143.04862733	\$1,716.58									
		3SWEEP E \ UP \ CD	SWEEP, 3 IN, 90 DEG PVC	16	29.16706306	\$466.67									
		BUS40 E \ UV \ SC	SEC BUS - 4 POS, 1-SCREW CONN	24	55.71027161	\$1,337.05									
		3CDTPL E \ UV \ CD	CNDT-3 INCH PVC	1,230	3.57942983	\$4,402.70									
		4/0TXUG E \ UV \ SW	CABLE #4/0 UG TRIPLEX	1,353	2.49533581	\$3,376.19									
		2CDTPL E \ UP \ CD	CNDT-2 INCH PVC	2,010	1.71362536	\$3,444.39									
		1CN15 E \ UP \ EC	CABLE UG #1SOL-#2STR W/CN 15KV	2,211	2.90641803	\$6,426.09									
Overall - Total															\$43,070.93

Development Cost Per Lot		
Total Cost	Lots	Cost/Lot
\$ 43,071	30	\$ 1,436



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: Builder's Charge
 Est Date: Feb 18, 2019 7:46:25 AM
 Design Version: 2
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	2	2.55	\$0.00	\$109.01	\$0.00	\$95.40	\$0.00	\$0.00	\$248.95	\$0.00	\$17.86	\$0.00	\$0.00	\$0.00	\$471.22
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
	Install	2CDTPL E \ UV \ CD	CNDT-2 INCH PVC	50	1.79648987	\$89.82									
		DD24HOE E \ UV \ DT	BACKHOE 24 IN DIRT DITCH	50	5.1358573	\$256.79									
		2/0TXUG E \ UV \ SW	CABLE 2/0 UG TRIPLEX	55	2.26550257	\$124.60									
Overall - Total						\$471.22									



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: OH Primary Fixed
 Est Date: Feb 18, 2019 7:55:18 AM
 Design Version: 3
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	3	22.05	\$0.00	\$928.74	\$0.00	\$1,561.04	\$0.00	\$0.00	\$1,137.78	\$0.00	\$605.63	\$0.00	\$0.00	\$0.00	\$4,253.19

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
	Install	1X E \ OH \ GA	ANCHOR PLATE 1 IN X 10 FT	1	519.25960664	\$519.26
		45PCL3 E \ OH \ PL	POLE CDR 45 FT DIRT CLS 3	1	1,928.75349848	\$1,928.75
		GND E \ OH \ GR	GROUND ROD	1	87.48775776	\$87.49
		GND-THEFT DET E \ OH \ GR	GROUND THEFT DETERRENT COVER	1	104.55853976	\$104.56
		PIVT15-25 E \ OH \ IN	INSULATOR-PIN VISE TOP 15-25KV	1	48.46049863	\$48.46
		PP E \ OH \ PI	POLE TOP PIN SINGLE 15-35KV	1	59.8293596	\$59.83
		7/16DGKIT-LIGHT E \ OH \ GA	DOWN GUY KIT 7/16 LIGHT CONSTR	2	584.18454803	\$1,168.37
		DEINPL25 E \ OH \ IN	INSULATOR DEADEND 15/25KV PE	2	14.88446259	\$29.77
		NDE E \ OH \ IN	DEADEND NEUT (8KV)	2	12.17925669	\$24.36
		NPDEHW E \ OH \ HW	HDWRE D.E. NEUT 1 WAY ON POLE	2	28.13647334	\$56.27
		PDEHW E \ OH \ HW	HDWR DE - 1 WAY ON POLE	2	37.06831693	\$74.14
		CDEA4AC E \ OH \ CL	CLAMP D.E. AUTO FOR #4 ACSR	4	37.98365599	\$151.93

Overall - Total

\$4,253.19



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: OH Primary Variable
 Est Date: Feb 18, 2019 8:14:07 AM
 Design Version: 4
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	4	16.18	\$0.00	\$681.50	\$0.00	\$995.00	\$0.00	\$0.00	\$834.89	\$0.00	\$422.42	\$0.00	\$0.00	\$0.00	\$2,933.81
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	1RHE\OH\SR	SEC RACK, 1 SPOOL - HEAVY DUTY	1	134.8221551	\$134.82									
		45PCL3E\OH\PL	POLE CDR 45 FT DIRT CLS 3	1	1,932.33406962	\$1,932.33									
		GND\OH\GR	GROUND ROD	1	87.65017154	\$87.65									
		GND-THEFT DET\OH\GR	GROUND THEFT DETERRENT COVER	1	104.75264403	\$104.75									
		PIVT15-25E\OH\IN	INSULATOR-PIN VISE TOP 15-25KV	1	48.55046154	\$48.55									
		PE\OH\PI	POLE TOP PIN SINGLE 15-35KV	1	59.94042785	\$59.94									
		ST4E\OH\CL	PRFRMD TIE WIRE-SPOOL #4 ACSR	1	7.83863323	\$7.84									
		4ACSR\OH\EC	CNDTR 4 ACSR	770	0.72457329	\$557.92									
Overall - Total														\$2,933.81	

Overhead Primary Variable Cost		
Total Cost	Length (ft)	Cost/ft
\$ 2,934	350	\$ 8.38



Work Order Cost Estimate Assembly Listing

Data Source: Work Order

Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: OH Service
 Est Date: Feb 18, 2019 8:15:48 AM
 Design Version: 5
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	5	1.72	\$0.00	\$72.45	\$0.00	\$37.34	\$0.00	\$0.00	\$88.76	\$0.00	\$35.82	\$0.00	\$0.00	\$0.00	\$234.37
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
	Install	2TX E \ OH \ SW	CNDTR #2 TRIPLEX	66	3.55106061	\$234.37									
Overall - Total						\$234.37									

Overhead Service Variable Cost		
Total Cost	Length (ft)	Cost/ft
\$ 234	60	\$ 3.91



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: OH Transformer
 Est Date: Feb 18, 2019 8:20:17 AM
 Design Version: 6
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	6	18.72	\$0.00	\$788.46	\$0.00	\$44.58	\$0.00	\$0.00	\$965.94	\$0.00	\$341.52	\$0.00	\$8,707.70	\$0.00	\$10,848.20
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
	Install	100-13-120/240 E \ OH \ TR	OH XFMR, 100KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	2,949.50485381	\$2,949.50									
		15-13-120/240 E \ OH \ TR	OH XFMR, 15KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	1,050.11765533	\$1,050.12									
		25-13-120/240 E \ OH \ TR	OH XFMR, 25KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	1,157.23283589	\$1,157.23									
		37 5-13-120/240 E \ OH \ TR	OH XFMR, 37.5KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	1,324.51094755	\$1,324.51									
		50-20-120/240 E \ OH \ TR	OH XFMR, 50KVA, 1 PH, 12000/20780, 120/240V, NO TAPS	1	1,889.5964249	\$1,889.60									
		75-13-120/240 E \ OH \ TR	OH XFMR, 75KVA, 1PH, 7620/13200, 120/240120V, NO TAPS	1	2,477.23728251	\$2,477.24									
Overall - Total															\$10,848.20

OH Transformer	Unit Cost	% Used	% Cost
15-13-120/240	\$ 1,050.12	44.14%	\$ 463.52
25-13-120/240	\$ 1,157.23	28.24%	\$ 326.80
37-13-120/240	\$ 1,324.51	9.82%	\$ 130.07
50-20-120/240	\$ 1,889.60	11.75%	\$ 222.03
75-13-120/240	\$ 2,477.24	4.96%	\$ 122.87
100-13-120/240	\$ 2,949.50	1.09%	\$ 32.15
Total			\$ 1,297

Overhead Transformer Total		
Install	Transformer	Total
\$ 1,013	\$ 1,297	\$ 2,310



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: OH Transformer Install
 Est Date: Feb 18, 2019 8:23:29 AM
 Design Version: 7
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	7	5.8	\$0.00	\$244.31	\$0.00	\$322.15	\$0.00	\$0.00	\$299.27	\$0.00	\$146.82	\$0.00	\$0.00	\$0.00	\$1,012.55

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	18FGSOB E \ OH \ LF	18 IN FIBERGLASS SO BRACKET	1	274.5731787	\$274.57
		3R E \ OH \ SR	3 SPOOL RACK	1	182.6433276	\$182.64
		CO100 E \ OH \ XD	CUTOUT POLY 15,25,35KV 100A	1	199.11116861	\$199.11
		GNDT E \ OH \ GR	GROUND-OH TRANSFORMER	1	26.98246393	\$26.98
		LA10T E \ OH \ XD	TFMR LIGHTNING ARRESTER 10KV	1	199.01760133	\$199.02
		TMHW E \ OH \ HW	TRANSF MOUNTING HRDWR 3-25KVA	1	38.79533284	\$38.80
		3/0CUWP E \ OH \ RW	CNDTR, 3/0 COPPER WP	23	3.97508378	\$91.43

Overall - Total

\$1,012.55



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order: 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: 15MIN
 Service Address:

Description: UG Primary Fixed
 Est Date: Feb 18, 2019 8:24:56 AM
 Design Version: 8
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc	
78682	8	5.3		\$0.00	\$226.58	\$0.00	\$970.50	\$0.00	\$0.00	\$517.43	\$0.00	\$139.87	\$0.00	\$0.00	\$0.00	\$1,854.38

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	JE1 E \ UP \ EN	JNCTN ENCL 1PH 15KV 4POS	1	1,084.30574193	\$1,084.31
		JE1-GND SLV E \ UP \ UE	GROUND SLV 1PH JE1 & JE1-25KV	1	374.31326175	\$374.31
		2SWEEP E \ UP \ CD	SWEEP, 2 IN, 90 DEG PVC	2	23.6811976	\$47.36
		BC15 E \ UP \ EN	BUSH CAP 15KV	2	31.60377227	\$63.21
		EB15 E \ UX \ PC	ELBW 15KV FOR #1 ALCN	2	142.59552829	\$285.19

Overall - Total **\$1,854.38**



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: 15MIN
 Service Address:

Description: UG Primary Variable
 Est Date: Feb 18, 2019 8:26:11 AM
 Design Version: 9
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	9	35.64	\$0.00	\$1,523.62	\$0.00	\$1,667.18	\$0.00	\$0.00	\$3,479.38	\$0.00	\$294.49	\$0.00	\$0.00	\$0.00	\$6,964.67
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	CBLPUSH E \ UP \ EC	CABLE PUSH 4 HRS/CABLE/CONDUIT	1	627.33590138	\$627.34									
		2CDTPL E \ UP \ CD	CNDT-2 INCH PVC	620	1.65152569	\$1,023.95									
		DD36HOE E \ UP \ DT	BACKHOE 36 IN DIRT DITCH	620	5.48940091	\$3,403.43									
		1CN15 E \ UP \ EC	CABLE UG #1SOL-#2STR W/CN 15KV	682	2.80052728	\$1,909.96									
Overall - Total											\$6,964.67				

Underground Primary Variable		
Total Cost	Length (ft)	Cost/ft
\$ 6,965	620	\$ 11.23



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: 15MIN
 Service Address:

Description: UG Secondary Fixed
 Est Date: Feb 18, 2019 8:29:43 AM
 Design Version: 10
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	10	2.13		\$0.00	\$91.06	\$0.00	\$101.24	\$0.00	\$0.00	\$207.96	\$0.00	\$17.82	\$0.00	\$0.00	\$418.08

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
	Install	2SWEEP E \ UV \ CD	SWEEP, 2 IN, 90 DEG PVC	1	22.87501124	\$22.88
		3SWEEP E \ UV \ CD	SWEEP, 3 IN, 90 DEG PVC	1	28.39008245	\$28.39
		HH E \ UL \ HH	HANDHOLE 13 IN X 24 IN	1	206.14667666	\$206.15
		BUS40 E \ UV \ SC	SEC BUS - 4 POS, 1-SCREW CONN	3	53.55607655	\$160.67
Overall - Total						\$418.08



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: 15MIN
 Service Address:

Description: UG Secondary Variable
 Est Date: Feb 18, 2019 8:33:22 AM
 Design Version: 11
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	11	2.37	\$0.00	\$101.32	\$0.00	\$162.05	\$0.00	\$0.00	\$231.38	\$0.00	\$26.39	\$0.00	\$0.00	\$0.00	\$521.14
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
	Install	3CDTPL E \ UV \ CD	CNDT-3 INCH PVC	50	3.49308634	\$174.65									
		DD24HOE E \ UV \ DT	BACKHOE 24 IN DIRT DITCH	50	4.25844324	\$212.92									
		4/0TXUG E \ UV \ SW	CABLE #4/0 UG TRIPLEX	55	2.42842765	\$133.56									
Overall - Total						\$521.14									

Underground Secondary Variable		
Total Cost	Length (ft)	Cost/ft
\$ 521	50	\$ 10.42



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: UG Service
 Est Date: Feb 18, 2019 8:34:56 AM
 Design Version: 12
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	12	3.82	\$0.00	\$163.31	\$0.00	\$142.61	\$0.00	\$0.00	\$372.94	\$0.00	\$26.75	\$0.00	\$0.00	\$0.00	\$705.61
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	2CDTPE \ UV \ CD	CNDT-2 INCH PVC	75	1.81604718	\$136.20									
		DD24HOE E \ UV \ DT	BACKHOE 24 IN DIRT DITCH	75	5.11650229	\$383.74									
		2/0TXUG E \ UV \ SW	CABLE 2/0 UG TRIPLEX	82	2.26425353	\$185.67									
Overall - Total						\$705.61									

Underground Service Variable Cost

Total	Length (ft)	Cost/ft
\$ 706	75	\$ 9.41



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order: 1002911858

WO Number: 1002911858
Customer Name:
Work Zone: SMALLJOB
Service Address:

Description: UG Transformer
Est Date: Feb 18, 2019 8:36:10 AM
Design Version: 13
Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	13	27.66	\$0.00	\$1,182.48	\$0.00	\$25.14	\$0.00	\$0.00	\$2,700.30	\$0.00	\$59.81	\$0.00	\$13,408.93	\$0.00	\$17,376.66
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	100P-13-240/120 E \ UX \ TR	PAD XFMR, 100KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	3,861.38924444	\$3,861.39									
		15P-13-240/120-T E \ UX \ TR	PAD XFMR, 15KVA, 1 PH, 13200/7620, 240/120V, TAPS	1	2,378.32313939	\$2,378.32									
		25P-13-240/120 E \ UX \ TR	PAD XFMR, 25KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,408.78757465	\$2,408.79									
		37.5P-20-240/120 E \ UX \ TR	PAD XFMR, 37.5KVA, 1 PH, 20780/12000, 240/120V, NO TAPS	1	2,747.67130336	\$2,747.67									
		50P-13-240/120 E \ UX \ TR	PAD XFMR, 50KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,693.06711451	\$2,693.07									
		75P-13-240/120 E \ UX \ TR	PAD XFMR, 75KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	3,287.42162366	\$3,287.42									
Overall - Total															\$17,376.66

UG Transformer	Unit Cost	% Used	% Cost
15P-13-120/240	\$ 2,378.32	26.60%	\$ 632.63
25P-13-120/240	\$ 2,408.79	25.40%	\$ 611.83
37P-20-120/240	\$ 2,747.67	17.90%	\$ 491.83
50P-13-120/240	\$ 2,693.07	15.10%	\$ 406.65
75P-13-120/240	\$ 3,287.42	8.10%	\$ 266.28
100P-13-120/240	\$ 3,861.39	6.90%	\$ 266.44
Total			\$2,675.67

Underground Transformer Total		
Install	Transformer	Total
\$ 832	\$ 2,676	\$ 3,507



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order: 1002911858

WO Number: 1002911858
 Customer Name:
 Work Zone: SMALLJOB
 Service Address:

Description: UG Transformer Install
 Est Date: Feb 18, 2019 8:41:27 AM
 Design Version: 14
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	14	2.5		\$0.00	\$106.88	\$0.00	\$419.85	\$0.00	\$0.00	\$244.07	\$0.00	\$60.95	\$0.00	\$0.00	\$831.75
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	2SWEEP E \ UX \ CD	SWEEP, 2 IN, 90 DEG PVC	1	28.1638233	\$28.16									
		BC15 E \ UX \ PC	BUSH CAP 15KV	1	32.29667553	\$32.30									
		BOXPAD E \ UX \ UE	BOX PAD - 1PH PADMOUNT TRANSF	1	650.39008498	\$650.39									
		GNDUG E \ UX \ GR	GROUND-AT PAD OR VAULT	1	120.89941619	\$120.90									
Overall - Total						\$831.75									



Work Order Cost Estimate Assembly Listing

Data Source: Work Order
Data Updated Daily

Work Order 1002911858

WO Number:	1002911858	Description:	Secondary Pole Fixed Cost
Customer Name:		Est Date:	Feb 18, 2019 8:43:38 AM
Work Zone:	SMALLJOB	Design Version:	15
Service Address:		Crew Type:	OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	15	10.63		\$0.00	\$447.73	\$0.00	\$518.66	\$0.00	\$0.00	\$548.51	\$0.00	\$259.56	\$0.00	\$0.00	\$1,774.46

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
	Install	1RH E \ OH \ SR	SEC RACK, 1 SPOOL - HEAVY DUTY	1	135.18412344	\$135.18
		35PCL4 E \ OH \ PL	POLE CDR 35 FT DIRT CLS 4	1	1,639.27587656	\$1,639.28

Overall - Total **\$1,774.46**