

**MERA - Radio System Upgrade
2020-001A Tiburon, Dollar Hill, Stewart Point
Cost Estimate Summary
CO 02 Tiburon Structural Upgrade**

Company:	Fidato	CO No.:	1 Rev 1
Date:	13-Oct-21	PCO No.:	
Project Scope:	Tiburon Structural Upgrade	Bulletin / RFI No.:	

Description: Tiburon Structural Upgrade:
Includes: Temp Bracing, Cut/Grind/Remove gussets and hand holes, add 2 half round plates and weld, new hand holes installed, fab/install angle clips, 8 - 20' and 8 - 6'-6" DYWIDAG rods, core base plate and core to 6'-6" depth, Hilti epoxy rods in place, scan foundation.

Quotation based on DYWIDAG rods being able to be cored in foundation without hitting rebar.

MERA to remove/replace all cables from inside pole for cutting/grinding/welding.

Total Direct Labor		\$	31,756.73	(From Page 2)
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Total Materials (All applicable taxes included)		\$	39,856.59	(From Page 3)
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Total Equipment (All applicable taxes and rental costs included)		\$	1,920.00	(From Page 4)
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Estimate of Direct Cost Subtotal		\$	73,533.32	
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Fee					
	Direct Labor Fee	20%	\$	6,351.35	
	Material & Equipment Fee	15%	\$	6,266.49	

Fee Subtotal		\$	12,617.83	
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Subcontractors		\$	17,600.00	(From Page 5)
	Subcontractor's Markup	15%	\$	2,640.00

Subcontractor Subtotal		\$	20,240.00	
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Insurance and Bonds				
	Insurance			Included
	Payment and Performance Bonds	1.80%	\$	1,915.04

Insurance and Bonds Subtotal		\$	1,915.04	
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Total Cost of Change		\$	108,306.19	
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Time Extension Requested (working days)			90	
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Shop Drawings		14 days
Shop Drawing Review		14 days
Fabrication / Procurment		28 days
Installation		28 days
Asbuilts / Close out		7 days

MERA - Radio System Upgrade
2020-001A Tiburon, Dollar Hill, Stewart Point
Labor Summary
CO 02 Tiburon Structural Upgrade

Company:	<u>Fidato</u>	CO No.:	<u>1 Rev 1</u>
Date:	<u>13-Oct-21</u>	PCO No.:	<u></u>
Project Scope:	<u>Tiburon Structural Upgrade</u>	Bulletin / RFI No.:	<u></u>
<p>Tiburon Structural Upgrade: Includes: Temp Bracing, Cut/Grind/Remove gussets and hand holes, add 2 half round plates and weld, new hand holes installed, fab/install angle clips, 8 - 20' and 8 - 6'-6" DYWIDAG rods, core base plate and core to 6'-6" depth, Hilti epoxy rods in place, scan foundation.</p> <p>Quotation based on DYWIDAG rods being able to be cored in foundation without hitting rebar.</p> <p>MERA to remove/replace all cables from inside pole for cutting/grinding/welding.</p>			
CO 02 Tiburon Structural Upgrade			
Hours	Labor Classification	S.T. Rate	Total Cost
127.33	Journeyman	\$ 123.34	\$ 15,704.69
127.3	Foreman	\$ 139.98	\$ 16,052.04
			\$ 31,756.73

MERA - Radio System Upgrade
2020-001A Tiburon, Dollar Hill, Stewart Point
Material and Labor
CO 02 Tiburon Structural Upgrade

Description	Quantity	Unit Cost	Unit	Total Material	Labor	Unit	Total Hours
Tiburon Structural Upgrade							
Drill and Install Holo-Bolts - 160 - 60 original	100	\$ 8.50	E	\$ 850.00	0.420	E	42.00
Install U-bolts - 208 - 78 original	130	\$ 12.50	E	\$ 1,625.00	0.200	E	26.00
Install Angle Clips - small - 48 - 18 original	30	\$ 240.00	E	\$ 7,200.00	0.400	E	12.00
Install Angle Clips - large - 8 - 3 original	5	\$ 950.00	E	\$ 4,750.00	3.000	E	15.00
Half Round Plate and Port Holes	1	\$ 4,200.00	E	\$ 4,200.00		E	0.00
Install 20'-0" DWYIDAG - 8 - 3 original	5	\$ 6,982.00	E	\$ 6,982.00	4.000	E	20.00
Install 6'-6" DWYIDAG - 8 - 3 original	5		E	\$ -	2.000	E	10.00
Epoxy - Hilti HID-RE 500-SD - 8 - 3 original	5	\$ 475.00	E	\$ 2,375.00	4.000	E	20.00
Scanning	Inc	\$ -	E	\$ -	0.000	E	0.00
Temp Bracing of Tower	1	\$ 8,500.00	E	\$ 8,500.00		E	0.00
Fire watch during welding/grinding/cutting	1		E	\$ -	40.000	E	40.00
Fire Mitigation	1		E	\$ -	8.000	E	8.00
Layout	1				8.000	E	8.00
As-Built Update	1					E	0.00
Safety/Covid-19 requirements (.35 hour per day)					0.350		8.44
Non-productive Time (.5 hour per day)					0.500		12.06
Procure Material / Deliver to site / Staging	1				10.000	E	10.00

Subtotal Material Cost	\$ 36,482.00	Subtotal Install Hrs.	231.51
Material Tax 9.25%	\$ 3,374.59	Supervision / General Conditions	23.15
Total Material Cost	\$ 39,856.59	Subtotal Labor Hrs.	254.66

MERA - Radio System Upgrade
2020-001A Tiburon, Dollar Hill, Stewart Point
Equipment
CO 02 Tiburon Structural Upgrade

Company:	Fidato	CO No.:	1 Rev 1
Date:	13-Oct-21	PCO No.:	
Project Scope:	Tiburon Structural Upgrade	Bulletin / RFI No.:	

Description:

Bid Item	Quantity	Description	Unit	Unit Cost	Total Cost
Bid Item 1	0.80	Knuckle Boom	Monthly	\$ 2,400.00	\$ 1,920.00
Bid Item 1					
Bid Item 1					
Bid Item 1					
Bid Item 1					
Bid Item 1					

\$ 1,920.00

MERA - Radio System Upgrade
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Subcontractors/Vendors Summary

Company:

Date:

13-Oct-21

PCO No.:

Project Scope:

Tiburon Structural Upgrade

Bulletin / RFI No.:

Description:

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Contractor	Description	Total Cost
ACW Steel	Welding/Metalwork	\$ 5,800.00
Cal Cut & Core	Coring for DYWIDAG	\$ 15,600.00
Cal Cut & Core	CREDIT for original scope coring	\$ (3,800.00)

\$ 17,600.00