

Grading & Bush Hog Services, Inc.
 PO Box 844
 Middleburg, FL 32050-0844

RECEIVED

JAN 30 2018

LAKE COUNTY
 ROAD OPERATIONS

Invoice

DATE	INVOICE #
1/30/2018	7764

BILL TO
Lake County Department of Public Works Road Ops Division PO Box 7800 Tavares, FL 32778

SHIP TO

Contract Number	TERMS	REP	Completed D...	VIA	Fin. No.	PROJECT
16-0411A			1/23/2018			
QUANTITY	ITEM CODE	DESCRIPTION			PRICE EACH	AMOUNT
		G3156-G, West side of driveway at 16138 CR 448				
12.5	LakeG003	Re-Alignment of Existing Guardrail			18.00	225.00
1	LakeG015	Type II End Anchorage Assembly			425.00	425.00
12.5	LakeG039	Removal Disposal of Existing Guardrail			5.00	62.50

JK 2/6/18

OK TO PAY - FY 17/18
 PO#: 20180909
 Acct#: 1120.5053200.830467
 Goods Recd: 1/25/18

KB 2/2/18

Subtotal	\$712.50
Sales Tax (0.00)	\$0.00
Total	\$712.50

AB 2-5-18

2/6/18

BP 2/5/18

**Guardrail
Work Quote Request**
All prices include installation

Project Name and Location

Contractor

G3156-G, CR 448

GBH

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1.	Resetting Guardrail (Single Face)		LF	\$	\$
2.	Resetting Guardrail (Double Face)		LF	\$	\$
3.	Re-alignment of existing guardrail	<u>12.5</u>	LF	<u>\$ 18</u>	<u>\$ 225.00 ✓</u>
4.	New Guardrail-Including Post, Offset Blocks, Reflectors, Delineator Assemblies, Hardware etc.		LF	\$	\$
5.	Guardrail Panels	<u>12.5</u>	LF	<u>\$ 24</u>	<u>\$ 300.00</u>
6.	Guardrail Posts		EA	\$	\$
7.	Encased Guardrail Post		EA	\$	\$
8.	Offset Blocks	<u>20</u>	EA	<u>\$ 25</u>	<u>\$ 500.00</u>
9.	Special End Shoes		EA	\$	\$
10.	Terminal Connector		EA	\$	\$
11.	Flared End Section		EA	\$	\$
12.	Half Rounded End Section		EA	\$	\$
13.	Full Rounded Buffer End Section		EA	\$	\$
14.	Anchor Plate Assembly		EA	\$	\$
15.	Type II End Anchorage Assembly	<u>1</u>	EA	<u>\$ 425</u>	<u>\$ 425.00 ✓</u>
16.	End Anchorage Assembly Type MELT		EA	\$	\$
17.	End Anchorage Assembly Type CRT		EA	\$	\$
18.	End Anchorage Assembly Type ET-2000		EA	\$	\$
19.	End Anchorage Assembly Type SRT-350 (8 post system)		EA	\$	\$
20.	End Anchorage Assembly Type BEST		EA	\$	\$
21.	End Anchorage Assembly Type LET		EA	\$	\$
22.	End Anchorage Assembly Type SKT-350		EA	\$	\$
23.	End Anchorage Assembly Type FLEAT-350		EA	\$	\$
24.	End Anchorage Assembly Type REGENT		EA	\$	\$
25.	Repair Existing Bridge End Assembly		EA	\$	\$
26.	Steel Anchor Post (Bridge)		EA	\$	\$
27.	Concrete Anchor Post (Bridge)		EA	\$	\$
28.	End Post with Special End Shoe Recess (Bridge)		EA	\$	\$
29.	Special Steel Guardrail Post for Single or double face Guardrail (where culverts or other structures precludes Normal installation).		EA	\$	\$
30.	Transition Panel from trie-beam to w-beam		EA	\$	\$
31.	Detail J Bridge Anchorage		EA	\$	\$
32.	ET 2000 Extruder Head		EA	\$	\$
33.	SKT - 350 Extruder Head		EA	\$	\$
34.	FLEAT 350 Extruder Head		EA	\$	\$
35.	Reflectors		EA	\$	\$
36.	4" Linear Reflective System (include the manufacture type and specifications)		EA	\$	\$
37.	6" Linear Reflective System (include the manufacture type and specifications)		EA	\$	\$

G3156-G, CR 448

- 38. Brackets for Linear Reflective System
- 39. Removal/Disposal of Existing Guardrail
- 40. Special Safety Pipe Rail
- 41. Miscellaneous Asphalt Paving
- 42. Miscellaneous Concrete Paving
- 43. Shop Bent (Radius)
- 44. Miscellaneous sod installed

	EA	\$	\$	
<i>12.525</i>	LF	\$	\$	<i>125.00 62.50-</i>
	LF	\$	\$	
<i>2</i>	SY	\$	\$	<i>75 150.00</i>
	SY	\$	\$	
	LF	\$	\$	
	SF	\$	\$	

Total Guardrail Cost Quote:

~~\$ 1275.00~~ **\$ 712.50**
AB 1-16-18 *AB 1-29-18*

QUADGUARD SYSTEM
Work Quote Request

Project Name and Location

n/a

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1.	Crash Cushion (Reset)		EA	\$	\$
2.	Crash Cushion (Clean & Inspect)		EA	\$	\$
3.	Attenuator F&I (Fender Panel)		EA	\$	\$
4.	Attenuator F&I (Diaphragm)		EA	\$	\$
5.	Attenuator F&I (Side Panel Cone Con)		EA	\$	\$
6.	Attenuator F&I (Hazard Reflt-9 Button)		EA	\$	\$
7.	Attenuator F&I (Trans Panel Assembly)		EA	\$	\$
8.	Attenuator F&I (Cartridge Assembly)		EA	\$	\$
9.	Attenuator F&I (Nose Assembly)		EA	\$	\$
10.	Attenuator F&I (End Shoe, Vertical)		EA	\$	\$
11.	Attenuator F&I (Backup Assem Ten Strt)		EA	\$	\$
12.	Attenuator F&I (Backup Assem Concrete)		EA	\$	\$
13.	Attenuator F&I (Monorail, 1 Bay)		EA	\$	\$
14.	Attenuator F&I (Monorail, 2 Bay)		EA	\$	\$
15.	Attenuator F&I (Monorail, 3 Bay)		EA	\$	\$
16.	Attenuator F&I (Mushroom Bolt Assm)		EA	\$	\$
17.	Attenuator F&I (Anchor MP 3 Kit)		EA	\$	\$
18.	Attenuator F&I (Neoprene Grommet)		EA	\$	\$
19.	Attenuator (Remove)		EA	\$	\$
20.	Attenuator (High Speed) F&I (Diaphragm)		EA	\$	\$
21.	Attenuator (High Speed) F&I (Nose Assembly)		EA	\$	\$

Total Quadguard Cost Quote:

\$ _____

G3156-G, CR 448

HANDRAIL
Work Quote Request

Project Name and Location

n/a

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
22.	Posts 2" NPS (Sch. 40)	_____	LF	\$ _____	\$ _____
23.	Rails 2" NPS (Sch. 40)	_____	LF	\$ _____	\$ _____
24.	Rail joint/splice	_____	EA	\$ _____	\$ _____
25.	Handrail joint/splice	_____	EA	\$ _____	\$ _____
26.	Handrail 1 1/2" NPS	_____	LF	\$ _____	\$ _____
27.	Handrail support bar 1"	_____	LF	\$ _____	\$ _____
28.	Mounting base plates	_____	EA	\$ _____	\$ _____
29.	Anchors/bolts	_____	EA	\$ _____	\$ _____
30.	Two rail assembly	_____	LF	\$ _____	\$ _____
31.	Three rail assembly	_____	LF	\$ _____	\$ _____

Total Handrail Cost Quote:

\$ _____

Emergency Response Fee

\$ _____

Total Project Cost Estimate:

\$ 1275.00 712⁵⁰

County Representative

Print Brenda Press

Sign [Signature]

Date 1.16.18

Contractor Representative

Print Scott Griffin

Sign [Signature]

Date 01/10/2018

**** Please complete, sign, and return to Lake County



LAKE COUNTY
FLORIDA

To: Grading & Bush Hog Service, Inc. From: Public Works Road Operations Div.
Contact: Scott Griffin Phone: (352) 343-6439
Phone: (904) 276-3314 Date: 1/9/2018
E-Mail: gbhsinc@bellsouth.net Pages: 3

Re: 16-0411A, Guardrail / Handrail Repair Service Request

WORK QUOTE REQUEST

Road Name: CR 448 Segment Number: 1-3156-34

Guardrail Number: G3156-G

Location: West side of driveway at 16138 CR 448

Nearest City: Tavares

Section: 8 Township: 20 Range: 26

Length of damage if not an end: 14 feet

Ends damaged? Yes No

If yes, how many? one

Comments: Repair asplalt base as needed

Questions should be addressed and agreed upon in writing by either the Project Manager or designee prior to the performance of work.

Approved by: Robert Baker 1-9-2018

County Representative

Work completed OK to Pay Date :	Invoice #	
Approved by:	Goods Received	