

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

RECEIVED
OCT 11 2017
 LAKE COUNTY
 ROAD OPERATIONS

Invoice

DATE	INVOICE #
10/11/2017	7524

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			9/27/2017			
QUANTITY	ITEM CODE	DESCRIPTION			PRICE EACH	AMOUNT
		G3111-J, south shoulder of CR 48 east of US 27 approx. 100 feet				
25	LakeG003	Re-Alignment of Existing Guardrail			18.00	450.00
50	LakeG005	Guardrail Panels			24.00	1,200.00
2	LakeG006	Guardrail Posts			85.00	170.00
1	LakeG013	Full Rounded Buffer End Section			125.00	125.00
3	LakeG035	Reflectors			25.00	75.00
50	LakeG039	Removal Disposal of Existing Guardrail			5.00	250.00
<i>RM 10-11-17</i>					Subtotal	\$2,270.00
<i>Skoutz 10/13/17</i>					Sales Tax (0.00)	\$0.00
					Total	\$2,270.00

WORK ACCEPTED

INVOICE TO RISK: 10/16/17

AM
 10/13/17

BP
 10/13



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: 8/29/2017
 E-Mail: gbhsinc@bellsouth.net Pages: 3

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

WORK QUOTE REQUEST

Road Name: CR 48 Segment Number: 1-3111-14

Guardrail Number: G3111-J

Location: south shoulder of CR 48 east of US 27 approx. 100 feet

Nearest City: Leesburg

Section: 6 Township: 21 Range: 24

Length of damage if not an end: end damaged plus approx. 53 LF

Ends damaged? Yes No

If yes, how many? one

Comments: _____

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 8-29-2017

County Representative

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

BP
8/29

Quote

Guardrail
Work Quote Request
All prices include installation

Project Name and Location

Contractor

G3111-J, CR 48

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	25	LF	\$ 18	\$ 450.00
4.	New Guardrail-Including Post, Offset Blocks, Reflectors, Delineator Assemblies, Hardware etc.		LF	\$	\$
5.	Guardrail Panels	62.5	LF	\$ 24	\$ 1500.00
6.	Guardrail Posts	5	EA	\$ 85	\$ 425.00
7.	Encased Guardrail Post		EA	\$	\$
8.	Offset Blocks	10	EA	\$ 25	\$ 250.00
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	1	EA	\$ 125	\$ 125.00
14.	Anchor Plate Assembly		EA	\$	\$
15.	Type II End Anchorage Assembly		EA	\$	\$
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	4	EA	\$ 25	\$ 100.00
36.	4" Linear Reflective System (include the manufacture type and specifications)		EA	\$	\$
37.	6" Linear Reflective System (include the manufacture type and specifications)		EA	\$	\$
38.	Brackets for Linear Reflective System		EA	\$	\$

39. Removal/Disposal of Existing Guardrail	<u>62.5</u>	LF	\$ 5	\$ 312.50
40. Special Safety Pipe Rail	_____	LF	\$ _____	\$ _____
41. Miscellaneous Asphalt Paving	_____	SY	\$ _____	\$ _____
42. Miscellaneous Concrete Paving	_____	SY	\$ _____	\$ _____
43. Shop Bent (Radius)	_____	LF	\$ _____	\$ _____
44. Miscellaneous sod installed	_____	SF	\$ _____	\$ _____

Total Guardrail Cost Quote:

\$ 312.50

ALB

**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 Conc 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:

\$ _____

**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:

\$ 3162.50

County Representative

Print Brenda L. Press

Sign [Signature]

Date 9.14.2017

Contractor Representative

Print Scott Griffin

Sign [Signature]

Date 9-14-17

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



LAKE COUNTY
FLORIDA

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G31U-T
CR48

08:18:2017 09:28



G3111-J
CR48



08:18:2017 09:26

G 3111-5
CR 48



10.04.2017 13:22

W/ELT

G3111-J
CR48
Repaired GRH

10.04.2017 13:24





G-3111-5
CR 48

10:04:2017 13:22