

RECEIVED

FEB 29 2016

LAKE COUNTY ROAD OPERATIONS

Estep Construction, Inc.

Fax: 407-884-6904  
689 Binion Road  
Apopka, FL 32703

Invoice

Date	Invoice #
2/29/2016	732

Bill To
Lake County PW Road Operations 12901 County Landfill Rd Tavares, FL 32778

CC/Ship To:
Contract #13-0607 mod 2 PO #20160025 CR 439 Box Culverts

P.O./Contract #	Terms	Due Date	Ship Date	Ship Via	Project
20160025	Due on receipt	2/29/2016	2/29/2016		16-02/G

Item	Description	Quantity		Unit Pr...	Amount
1	<sup>439</sup> CR 436 [Bridge #114021, .3 miles south of CR 42] Cleaning Box Culverts - [North Side] - 4'x11'x3'x46'	56.22		CY 80.00	4,497.60
1	Cleaning Box Culverts - [South Side] - 4'x11'x2'x46'	37.48		CY 80.00	2,998.40
	Pictures Attached				

*JK* 3/2/16

OK TO PAY  
ESTEP CONSTRUCTION INC  
PO#: 20160032  
Acct#: 1120.5053200.830460  
Goods Recd: 2 / 26 / 16

Thank you for your business.	Total	<sup>4/15 3-1-16</sup> \$7,496.00 <sub>103/2/29</sub>
------------------------------	-------	---

Balance Due	\$7,496.00
-------------	------------

*JK* 3/2/16 *BR* 3/1



LAKE COUNTY  
FLORIDA

Date: 1-27-2016

Estep Construction, Inc.  
689 S. Binion Road, Apopka, FL 32703

Subject: Project Order Form  
Contract No. 13-0607, Storm Water Pipe/Water Quality Unit  
Cleaning, Video Recording and Related Services  
Purchase Order No. 20150035

Dear Estep Construction:  
Please find below a request for services under the Storm Water Pipe/Water Quality Unit Cleaning, Video Recording and Related Services Contract No. 13-0607. A description of the requested services and project specific information is listed below.

Any questions or discrepancies regarding the pipe size, length or amount of blockage must be addressed and agreed upon between the Contractor and the Project Manager prior to performing any work. Any work performed without agreement by all parties shall be paid in accordance with the terms and conditions of the Contract. Invoices should be sent to 12901 County Landfill Road, Tavares, FL 32778.

Pursuant to the Contract, all work shall begin within fourteen (14) calendar days from receipt of this notice. Please make sure to contact our office regarding the scheduling of this work.

PIPE LOCATION: Road Number: 7483 Segment Number: 3-7483-12

Road Name: CR 439 Address: Bridge # 114021 .3 miles south of CR 42

Section: 3 Township: 18 Range: 27 Closest City: Altoona

PIPE SPECIFICATIONS:

Diameter: box culvert Length: 43' feet Number of Manholes/Inlets: \_\_\_\_\_

Percentage of Blockage: 10% or less 11% - 30% above 30% X

WORK DESCRIPTION:

Clean a two sided box culvert 4' H. X 11' W X 43' long

Work Completed and OK to PAY:	<u>2/26/2016</u>	Invoice #	<u>732</u>
	<u>Robert Baker</u>		<u>2/26/2016</u>
	Inspected by		Date



LAKE COUNTY  
FLORIDA

Date

Estep Construction, Inc.  
689 S. Binion Road, Apopka, FL 32703

Subject: Project Order Form  
Contract No. 13-0607, Storm Water Pipe/Water Quality Unit  
Cleaning, Video Recording and Related Services  
Purchase Order No. 20131369

Dear Estep Construction:  
Please find below a request for services under the Storm Water Pipe/Water Quality Unit Cleaning, Video Recording and Related Services Contract No. 13-0607. A description of the requested services and project specific information is listed below.

Any questions or discrepancies regarding the pipe size, length or amount of blockage must be addressed and agreed upon between the Contractor and the Project Manager prior to performing any work. Any work performed without agreement by all parties shall be paid in accordance with the terms and conditions of the Contract. Invoices should be sent to 12901 County Landfill Road, Tavares, FL 32778.

Pursuant to the Contract, all work shall begin within fourteen (14) calendar days from receipt of this notice. Please make sure to contact our office regarding the scheduling of this work.

PIPE LOCATION:

Road Name: CR 439 (7483) Segment 12 Address: Bridge # 114021, .3 miles S of CR 42

Section: 3 Township: 18 Range: 27

PIPE SPECIFICATIONS:

Diameter: <sup>See Work</sup> Description Length: 43' Number of Manholes/Inlets: 0

Percentage of Blockage: 10% or less 11% - 30% above 30% x

WORK DESCRIPTION:

52 Clean two box culverts. Each one is 4'H x 11'W x 43'L

Work Completed and OK to PAY: _____	Invoice No. _____
Inspected by _____	Date _____

BP  
1/26/16

# Request Details Report

Request Number                      Associated Work Order                      Observed Date/Time  
MA3-14084-R                      MA3-23491-WO                      12/23/15 3:06:P

---

## *Citizen Information*

Name    Phone    Ext.  
Address    Alternate Phone  
Email Address

## Organization

Requestor FDOT  
Contact

---

## *Issue and Location*

Activity    Issue    Bridge  
Map Page    SEC    TWN    RNG

BRG Bridge Report Repairs

Address Number

Route CR 439 (7483)

Intersect Route

## Details

Bridge # 114021

Element 290 -

Consider realigning the channel.

Remove the mud/dirt buildup in each cell.

Repair the displaced sand-cement bags along the Southwest channel embankment.

Remove the rock dam in the channel West of the structure.

Non-Structural Items:

Approach Roadway - Repair the asphalt mowing strips at the ends of the Southwest and Southeast wingwalls.

## Notes

## History

1/26/2016    Contract pipe cleaning requested.

Lee, Steven

Resolution \_\_\_\_\_

\_\_\_\_\_

Request Response Date 12/23/2015

Date \_\_\_\_\_

Time Arrived \_\_\_\_\_

Time Departed \_\_\_\_\_



## Cubic Yards Calculator

**Cubic Yards**

Area Shape: Rectangle ▼

Depth = 3 ft ▼

Length = 11 ft ▼

Width = 46 ft ▼

Price per Cubic yard (yd³) ▼

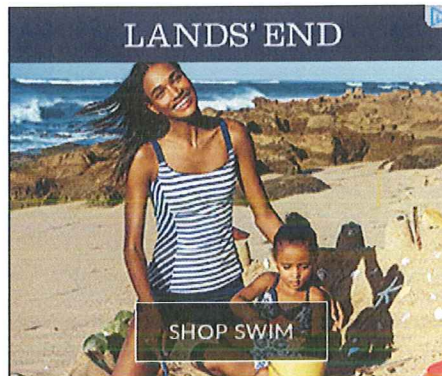
\$ ▼ 0

**Cubic Yards =**  
56.22 yd<sup>3</sup>  
Cubic Meters = 42.98 m<sup>3</sup>  
Cubic Feet = 1,518 ft<sup>3</sup>

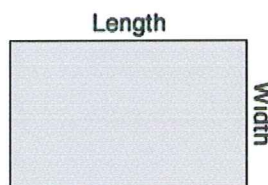
Share this Calculation: [help](#)

```
http://www.calculatorsoup.com/
calculators/construction/cubic
-yards-calculator.php?
given_data=rectangle&depth=3&d
epth_unit=foot&length=11&length
h_unit=foot&width=46&width_uni
t=foot&price_unit=yard&cur_cod
e=USD&price=0&action=solve&las
```

[Share Links to this Calculator](#)



### Area to Calculate: Rectangle



### Calculator Use

Calculate cubic yards volume for landscape material, mulch, land fill, gravel, cement or containers. Enter dimensions in US units (inches or feet) or metric units (centimeters or meters) to calculate the cubic yards,

cubic feet or cubic meters. Also calculate the cost of materials when you enter the price per cubic foot, price per cubic yard or price per cubic meter.

Enter measurements in US units or metric units. Calculate volume from your measurements in inches (in), feet (ft), yards (yd), centimeters (cm), or meters (m). You can also enter decimal values. For example, if you have one measurement that is 7'3" you can enter that as 7.25 feet. If you have a measurement of 245 cm you can also enter that as 2.45 m.

## How to Calculate Cubic Yards using feet and inches

1. Measure
  - o Measure your area in feet
  - o Determine the depth of your material, say mulch, that you will put on this area generally using depth in inches.
2. Convert all of your measurements to feet
  - o If you measured in feet only skip to step 3
  - o If you measured in feet & inches, divide inches by 12 and add that to your feet measure to get total feet
  - o If you measured in inches only, divide inches by 12 and that is your measurement in feet
3. Calculate
  - o Calculate your area (see below)
  - o Calculate your volume; Multiply area times the depth, this will be volume in cubic feet
  - o Calculate your cubic yards; Divide cubic feet by 27 to convert to cubic yards and this is your answer.
  - o Where (ft<sup>2</sup>) = square foot, (ft<sup>3</sup>) = cubic foot, (yd<sup>3</sup>) = cubic yard

### Cubic Yards Formulas and Images for Different Areas

	Using measurements in feet:
	Area (ft <sup>2</sup> ) = 2 x Side Length
	Volume (ft <sup>3</sup> ) = Depth x Area
	Volume in Cubic Yards (yd <sup>3</sup> ) = Volume (ft <sup>3</sup> ) / 27

## Cubic Yards Calculator

**Cubic Yards**

Area Shape: Rectangle ▼

Depth =  ft ▼

Length =  ft ▼

Width =  ft ▼

Price per Cubic yard (yd³) ▼

\$ ▼

**Cubic Yards =**

**37.48 yd³**

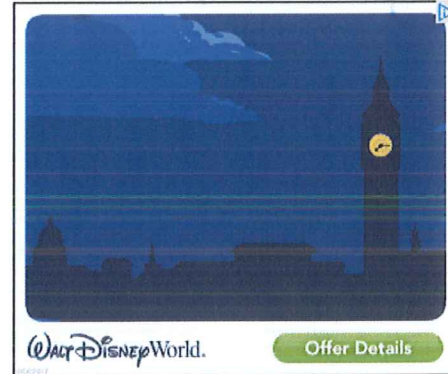
Cubic Meters = 28.66 m³

Cubic Feet = 1,012 ft³

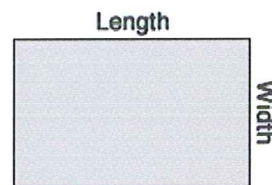
Share this Calculation: [help](#)

```
http://www.calculatorsoup.com/
calculators/construction/cubic
-yards-calculator.php?
given_data=rectangle&depth=2&d
ePTH_unit=foot&length=11&length
h_unit=foot&width=46&width_uni
t=foot&price_unit=yard&cur_cod
e=USD&price=0&action=solve&las
```

[Share Links to this Calculator](#)



### Area to Calculate: Rectangle



### Calculator Use

Calculate cubic yards volume for landscape material, mulch, land fill, gravel, cement or containers. Enter dimensions in US units (inches or feet) or metric units (centimeters or meters) to calculate the cubic yards,

cubic feet or cubic meters. Also calculate the cost of materials when you enter the price per cubic foot, price per cubic yard or price per cubic meter.

Enter measurements in US units or metric units. Calculate volume from your measurements in inches (in), feet (ft), yards (yd), centimeters (cm), or meters (m). You can also enter decimal values. For example, if you have one measurement that is 7'3" you can enter that as 7.25 feet. If you have a measurement of 245 cm you can also enter that as 2.45 m.

## How to Calculate Cubic Yards using feet and inches

1. Measure
  - Measure your area in feet
  - Determine the depth of your material, say mulch, that you will put on this area generally using depth in inches.
2. Convert all of your measurements to feet
  - If you measured in feet only skip to step 3
  - If you measured in feet & inches, divide inches by 12 and add that to your feet measure to get total feet
  - If you measured in inches only, divide inches by 12 and that is your measurement in feet
3. Calculate
  - Calculate your area (see below)
  - Calculate your volume; Multiply area times the depth, this will be volume in cubic feet
  - Calculate your cubic yards; Divide cubic feet by 27 to convert to cubic yards and this is your answer.
  - Where (ft<sup>2</sup>) = square foot, (ft<sup>3</sup>) = cubic foot, (yd<sup>3</sup>) = cubic yard

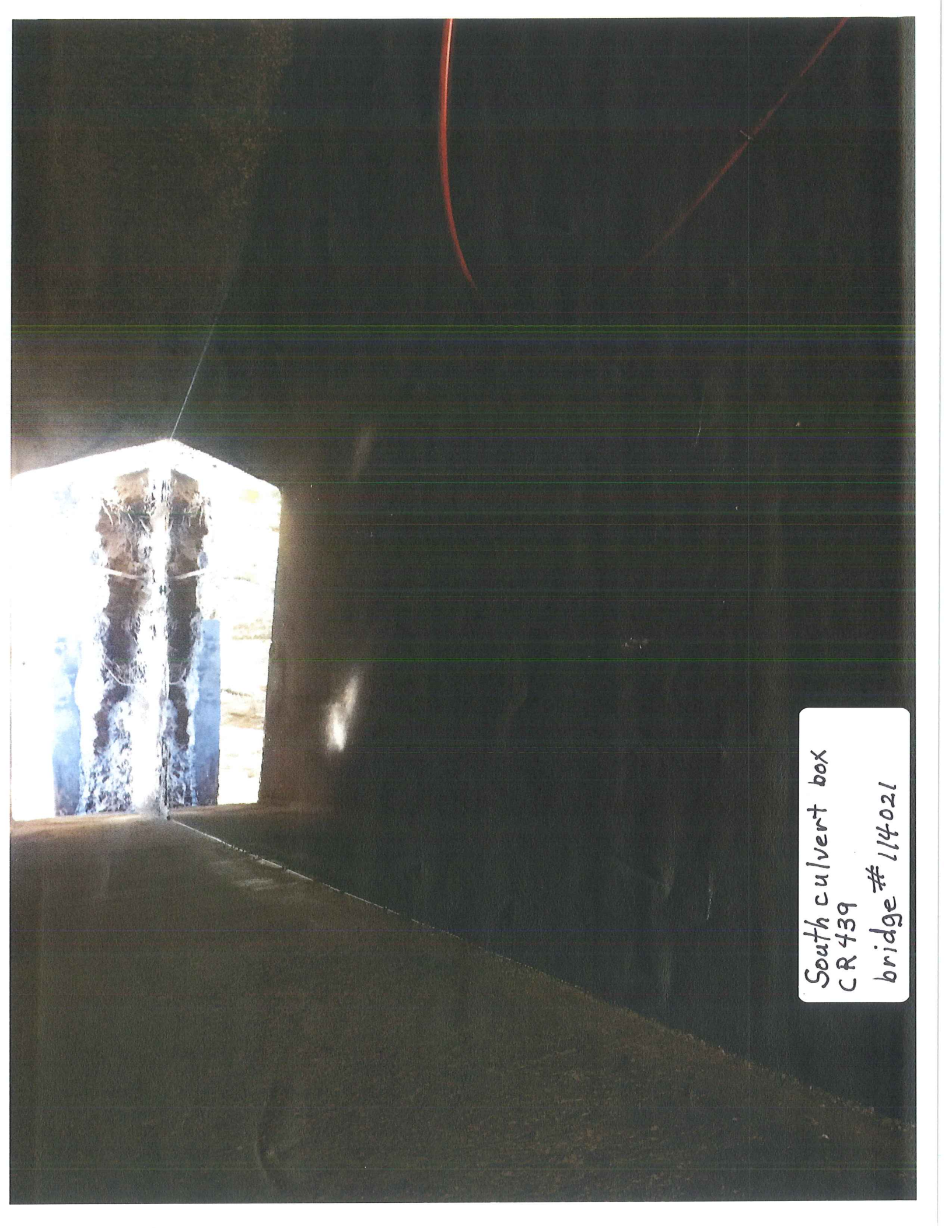
### Cubic Yards Formulas and Images for Different Areas

	Using measurements in feet:  Area (ft <sup>2</sup> ) = 2 x Side Length  Volume (ft <sup>3</sup> ) = Depth x Area  Volume in Cubic Yards (yd <sup>3</sup> ) = Volume (ft <sup>3</sup> ) / 27
--	---



North culvert box  
CR 439  
bridge # 114021



A photograph showing the interior of a dark, enclosed space, likely a culvert box. The walls and floor are dark and appear to be made of concrete or a similar material. At the far end of the space, there is a bright, rectangular opening that leads to a well-lit area outside. The opening shows some structural details, possibly a concrete wall or a doorway. A thin red line is visible in the upper right corner of the image. A white label with handwritten text is attached to the right wall.

South culvert box  
CR 439  
bridge # 114021