



# Easily Manage Your Fleet Assets

**April 12, 2017**

Bill Millinor, MS, GISP



Esri Public Sector  
GIS Conference

# Overview

- Introduction
- Cityworks Implementation
- Fleet GIS Assets
- Preventative Maintenance Automation
- Reporting

**Bill Millinor, MS, GISP**

[bmillinor@jonesedmunds.com](mailto:bmillinor@jonesedmunds.com)

352-377-5821



# Jones Edmunds & Associates, Inc.

- Utilities, Water Resources, Geospatial, Civil, and Environmental
- 40+ Years of Experience
- 130+ Multidiscipline Professionals
- Esri Business Partner since 1999
- Cityworks Implementation Partner Since 2002



# Sumter County, Florida



118,577 residents  
580 square miles



# Sumter County Public Works

- Accredited Agency
- Engineering
  - GIS
  - Facilities & Parks
  - Permitting
  - Engineering
  - Construction
- Operations
  - Road & Bridge
  - Transit
  - Traffic Operations
  - Mosquito Control
  - Vehicle & Equipment Maintenance
  - Solid Waste



# Sumter County Fleet Department

- Responsible for maintenance, repair and parts inventory on all County-owned vehicles.
  - Solid Waste
  - Animal Services
  - Library Services
  - Emergency Management
  - Parks
  - Transit
  - Administration
  - Stormwater
  - Facilities Maintenance
  - Mosquito Control
  - Road and Bridge
  - Fire Services
- 189 Vehicles & Equipment
  - Trucks
  - Cars
  - Mowers
  - Tractors
  - Busses, etc.



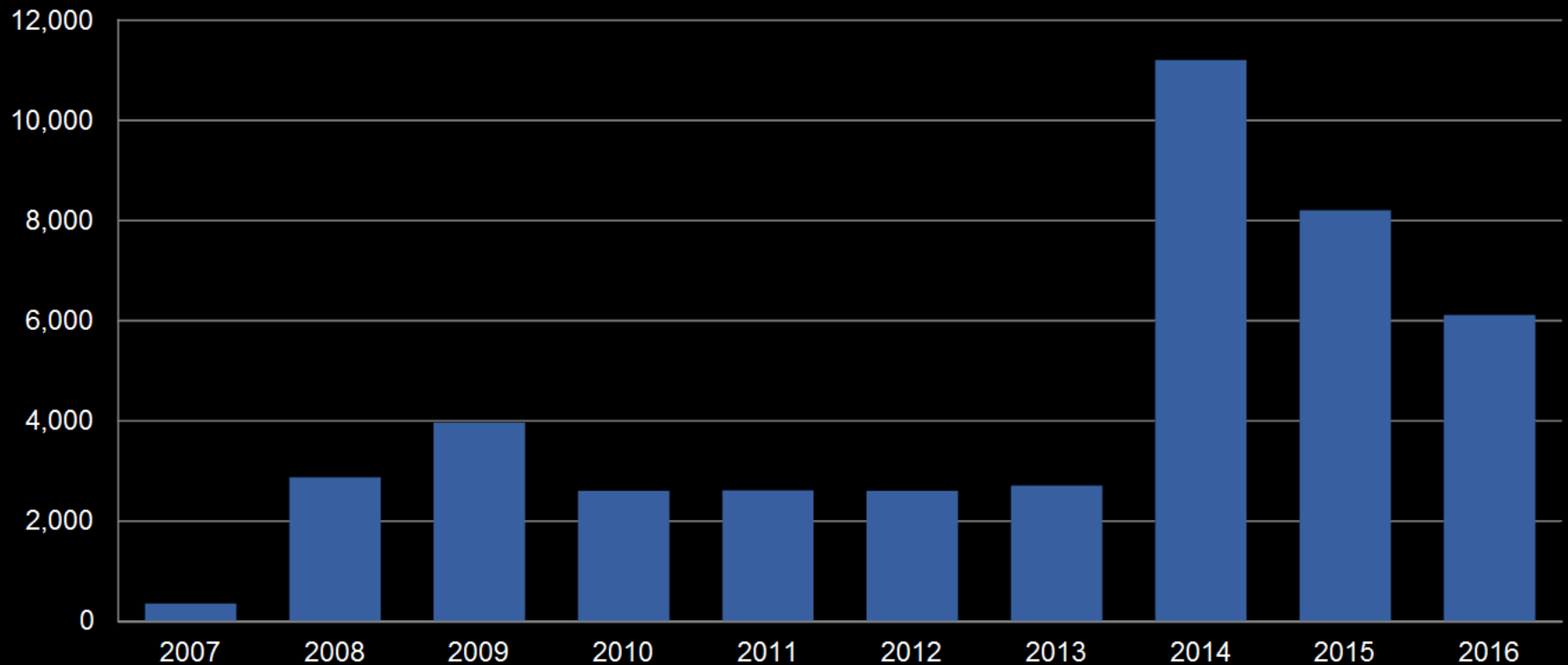
# Cityworks Implementation



Initial Implementation  
Cityworks Desktop 4.3

New Implementation  
Cityworks Server AMS 2014 SP4

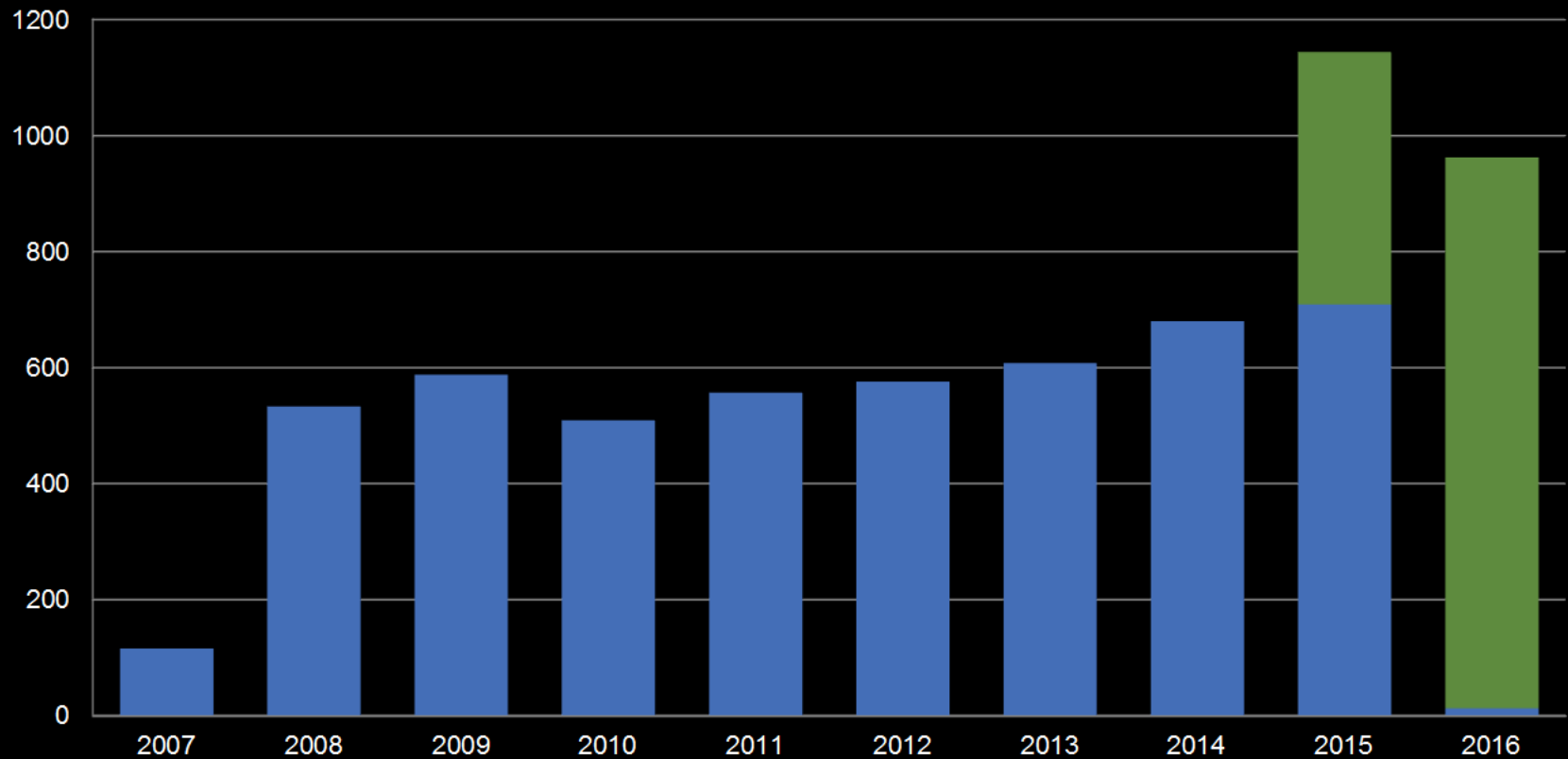
# Work Orders



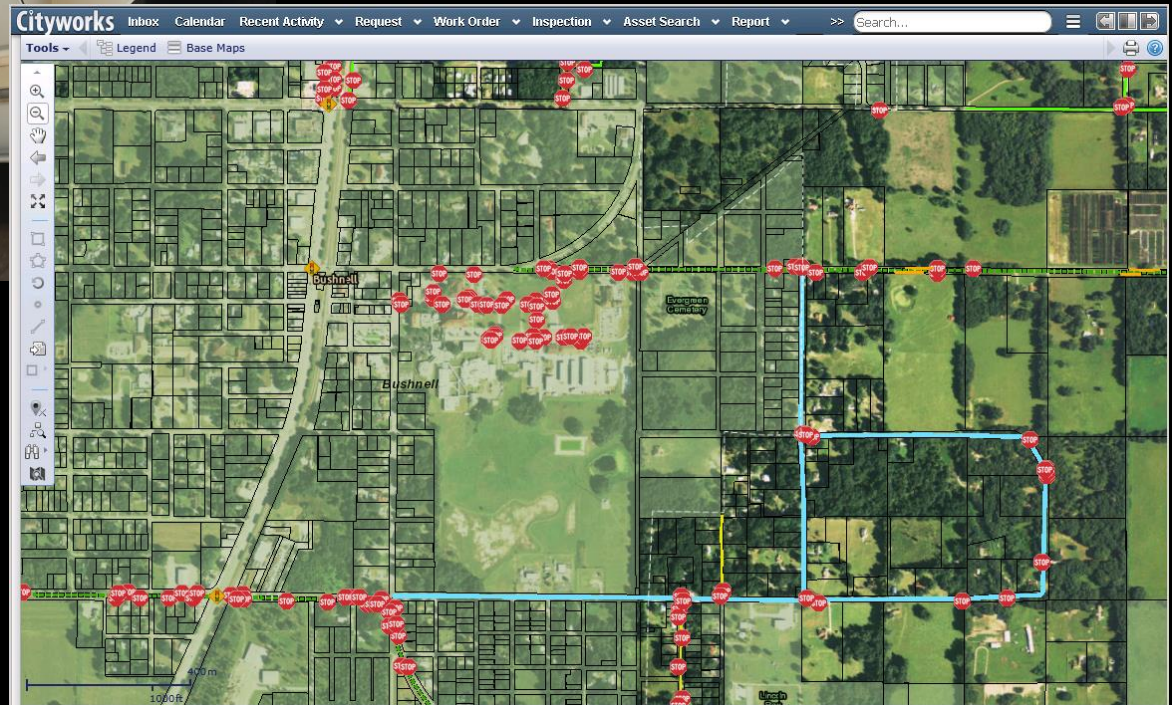
# Unattached Work Orders

## Fleet Work Orders

■ Unattached ■ Attached



# Fleet and GIS?



# Equipment Spatial View

## Cityworks Designer

### Equipment

truck

### Equipment Details

Equipment Id

05386

Model

02826~Black Chipper Truck (Chevrolet C7500)  
Chevrolet - C7500  
05613~Bucket Truck (Ford F550 1 ton) - Signal Truck  
Ford - F550

05386~Bucket Truck (Chevrolet C7500)  
International -

zz#22 SAW~CHAI  
HUSQUVARNA - 42

zz#17 SAW~CHAI  
STIHL - 020T, YR99

06156~Chevy Silverado  
Chevrolet - Silverado

zzCC155LF~DUM  
CHEVROLET - C70

zzCC156LF~DUM  
CHEVROLET - C70

02304~Dump Truck  
Chevrolet -

02304~Dump Truck  
Chevrolet -

02304~Dump Truck  
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02304~Dump Truck  
Chevrolet -

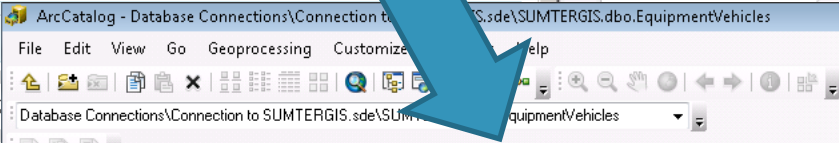
02304~Dump Truck  
Chevrolet -

02304~Dump Truck  
Chevrolet -

02304~Dump Truck  
Chevrolet -

02304~Dump Truck  
Chevrolet -

02304~Dump Truck  
Chevrolet -



### Catalog Tree

- SUMTERGIS.DBO.DamagePublicFacility\_ATT
- SUMTERGIS.DBO.DamagePublicFacility\_ATT
- SUMTERGIS.DBO.DamageResBuilding\_ATT
- SUMTERGIS.DBO.DamageResBuilding\_ATT
- SUMTERGIS.dbo.EquipmentGenerators
- SUMTERGIS.dbo.EquipmentLarge
- SUMTERGIS.dbo.EquipmentOther
- SUMTERGIS.dbo.EquipmentSmallEngines
- SUMTERGIS.dbo.EquipmentVehicles
- SUMTERGIS.DBO.FacilitySitePoint\_ATTACH
- SUMTERGIS.DBO.FacilitySitePoint\_ATTACH
- SUMTERGIS.DBO.MarkupPolygon\_ATTACH
- SUMTERGIS.DBO.MarkupPolygon\_ATTACH
- SUMTERGIS.DBO.OMB\_CountyBuildingList
- SUMTERGIS.DBO.OMB\_CountyBuildingList\_R
- SUMTERGIS.DBO.Pipe\_Barrel\_GantLakeBasin
- SUMTERGIS.DBO.PollingPlace\_ATTACH
- SUMTERGIS.DBO.PollingPlace\_ATTACHREL
- SUMTERGIS.DBO.RM\_has\_RMClass
- SUMTERGIS.DBO.RM\_has\_RMDeeds
- SUMTERGIS.DBO.RM\_has\_RMPlat
- SUMTERGIS.DBO.RM\_has\_RMTrafficCnt
- SUMTERGIS.DBO.ROADS\_LOCATOR2\_LOX
- SUMTERGIS.DBO.Roads\_Master
- SUMTERGIS.DBO.Roads\_Master\_Classification
- SUMTERGIS.DBO.Roads\_Master\_Deeds
- SUMTERGIS.DBO.Roads\_Master\_PlatHistory
- SUMTERGIS.DBO.Roads\_Master\_TrafficCount
- SUMTERGIS.DBO.RRCrossing\_ATTACH
- SUMTERGIS.DBO.RRCrossing\_ATTACHREL
- SUMTERGIS.dbo.sde\_compress\_log
- SUMTERGIS.dbo.sign\_condition view

### Contents Preview Description

OBJECTID	EQUIPMENTSID	EQUIPMENTUID	DESCRIPTION	MANUFACTURER	MODEL
89	716	02281	Truck (Chevrolet K1500)	Chevrolet	K1500
90	706	02282	Truck (Chevrolet C2500)	Chevrolet	C2500
91	4700	02283	Truck (Chevrolet C1500) White - Fire	CHEVROLET	C1500
95	4539	02304	Dump Truck (Chevrolet 7000)	Chevrolet	C7500
96	432	02305	Dump Truck (Chevrolet C7500)	Chevrolet	C7500
97	606	02306	Black Chipper Truck (Chevrolet C7500)	Chevrolet	C7500
102	4540	02312	Truck (Chevrolet C2500 RC 4x2) w/8' Flip Top SVC, Hitch	Chevrolet	C2500 RC 4x2
106	4541	02346	Truck (Ford Ranger) EC 4x2	Ford	Ranger EC 4x2
107	462	02448	Dump truck (Chevrolet C7500)	Chevrolet	C7500
117	462	02448	Dump truck (Chevrolet C7500)	Chevrolet	C7500
118	464	02449	Dump Truck (Chevrolet C7500)	Chevrolet	C7500
119	318	02458	Truck (Chevrolet Silverado 1500 RC 4x4 SWB) Larvaciding	Chevrolet	K1500 RC SWB
120	466	02459	Truck (Chevrolet C3500 1 ton) w/Fuel Tank	Chevrolet	C3500 1 ton
121	468	02460	Truck (Chevrolet K1500 4x4 SWB)	Chevrolet	K1500 4x4 SWB
122	470	02464	Dump Truck (Chevrolet C7500)	Chevrolet	C7500; YR00
126	768	02471	Truck (Chevrolet K3500 4x4 1 ton)	Chevrolet	K3500 4x4 1 ton
133	4542	02531	Truck (Chevrolet C2500 RC 4x2) 8 foot box 133in	Chevrolet	C2500 RC 4x2
136	4702	02557	Truck (Ford F250 XLT 4x4 X-CAB) - Fire	Ford	F250 XLT X-CAB
137	3326	02567	Truck (Chevrolet C1500 EC 4x2) w/ 3 Toolboxes	Chevrolet	C1500 EC 4x2
143	778	02617	Truck (Chevrolet K1500 1/2 ton)	Chevrolet	K1500 1/2 ton
144	780	02618	Truck (Chevrolet K1500)	Chevrolet	K1500
147	788	02691	Semi Truck (Mack CH613)	Mack	CH613
148	790	02695	Truck (Chevrolet C2500)	Chevrolet	C2500
149	4301	02703	Truck (Chevrolet C3500) w/Fuel Tank	Chevrolet	C3500
158	792	02739	White Chipper Truck (Chevrolet C7500)	Chevrolet	C7500
159	772	02741	Dump Truck (Chevrolet C7500)	Chevrolet	C7500
163	532	02789	Truck (Chevrolet K1500 1/2 ton) w/Fuel Tank	Chevrolet	K1500 1/2 ton
164	536	02797	Truck (Chevrolet K1500 4x4 SWB)	Chevrolet	K1500 4x4 SWB
165	538	02798	Truck (Chevrolet K1500 4x4 SWB)	Chevrolet	K1500 4x4 SWB
166	542	02825	High Lift Truck (Chevrolet C70 High Lift)	Chevrolet	C70 High Lift
167	544	02826	Black Chipper Truck (Chevrolet C7500)	Chevrolet	C7500
171	4682	02919	ATV (4 Wheeler)		

## Equipment Spatial View

# Equipment Spatial View

## Work Order Equipment

Equipment/Entity/Task

Search By:

Keyword:

<input type="checkbox"/>	Id	Description
<input type="checkbox"/>	#01 BACK PACK SPRAYER	Sprayer Back Pack (STIHL SG20-4440)
<input type="checkbox"/>	#01 BLOWER	Blower (HUSQVARNA 155BT; YR00) - Shop
<input type="checkbox"/>	#01 CHAINSAW	Chainsaw (Fairmont 3337 Circular) - Brush Crew
<input type="checkbox"/>	#01 Consaw	Concrete Saw - Asphalt Crew
<input type="checkbox"/>	#01 WALK BEHIND EDGER	Edger, Walk Behind (HUSQ) - Mowing Crew
<input type="checkbox"/>	#02 BACK PACK SPRAYER	Sprayer Back Pack (STIHL SG20-4527)
<input type="checkbox"/>	#02 BLOWER	Blower (ECHO PB500T; YR11) - Brush Crew
<input type="checkbox"/>	#02 CHAINSAW	Chainsaw (Fairmont 3331 Circular) - Brush Crew
<input type="checkbox"/>	#02 WALK BEHIND EDGER	Edger, Walk Behind (HUSQ) - Mowing Crew
<input type="checkbox"/>	#02 WEEDEATER	Weedeater (ECHO 280-0762) - Boot Camp
<input type="checkbox"/>	#03 BLOWER	Blower (ECHO PB500T; YR11) - Boot Camp
<input type="checkbox"/>	#03 CHAINSAW	Chainsaw (Fairmont 3241 Circular) - Brush Crew

## Fleet Work Orders

Select Template

Entity Group:  Category:

☒ Feature ☐ Object ☐ Other


Generators	Repair
Large Equipment	Welding and Fabrication
Other Equipment	
Small Engines	
Vehicles	

Selected Assets

Create a work order for:

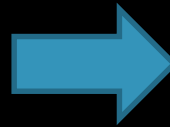

<input checked="" type="checkbox"/>	Entity Type	Entity Uid	LegacyId	Location	Feature
<input checked="" type="checkbox"/>	SMALL ENGINES	#01 BACK PACK SPRAYER		Mowing Crew	SMALL

# SQL Equipment View



Cityworks

	EQUIPMENT	MANUFACTURER	MODEL	RATETYPE	UNITCOST
1	48	ROGER, YR1969		A	10.250000
2	73	HESCO, YR2002		B	1400.000000
3	77	MASTERLINE, YR2006		B	1815.000000
4	81	HESCO, YR2002		B	1800.000000
5	85	HESCO, YR2002		B	1800.000000
6	87	HESCO, YR2002		B	1800.000000
7	89	Miscel, YR2006	5x12	B	1649.940000
8	91	HESCO, YR2002		B	2400.000000
9	93	Chevrolet	C2500 RC	B	14.000000
10	97	Chevrolet	C1500 RC	B	14.000000
11	105	WAGERSOL	ON CC171LF TRUC	B	1546.000000
12	115	HESCO, YR2002		B	2400.000000
13	117	YR1977		B	4295.000000
14	125	YR2004		B	3000.000000
15	127	YR2004		B	1590.000000
16	129	YR2004		B	1089.000000
17	133	03176	Wheel Loader 652V	B	0.000000
18	163	02578	Container (ROLL OFF)	B	2750.000000
19	169	02480	Air Compressor (10 HP, SCREW TYPE) PURCHASED 6/1...	B	4415.000000
20	175	02499	Plasma Cutter	B	2435.200000
21	187	02577	Container (ROLL OFF 40yd)	B	2750.000000
22	197	02737	Container (40 YARD OPEN TOP SQUARE)	B	2950.000000
23	199	02738	Container (40 YARD OPEN TOP SQUARE)	B	2950.000000
24	217	#09 CHAINSAW	Chainsaw (STIHL 290-1468 20 in bar) - Warehouse	A	3.200000
25	219	#01 CHAINSAW	Chainsaw (Fairmont 3241 Circular) - Brush Crew	A	3.200000
26	234	#02 WEEDEAT...	Weedeater (ECHO 280-0762) - Boot Camp	A	0.000000
27	238	#08 WEEDEAT...	Weedeater (ECHO 280-3115) - Boot Camp	A	0.000000
28	252	02920	Trailer (6x10)	B	951.790000
29	258	#15 WEEDEAT...	Weedeater (ECHO 280-5848) - Boot Camp	A	0.000000
30	260	#01 CHAINSAW	Chainsaw (Fairmont 3337 Circular) - Brush Crew	A	0.000000
31	264	#10 CHAINSAW	Chainsaw (HUSQ 0631) - Shop	A	3.200000
32	284	#20 CHAINSAW	Chainsaw (HUSQ 338-0170 14 in bar) - Mark	A	2.000000
33	286	#16 CHAINSAW	Chainsaw (HUSQ 485-0013 24 in bar) - Brush Crew	A	3.200000
34	292	#17 WEEDEAT...	Weedeater (ECHO 280-0667) - Forestry	A	0.000000

SDE

	OBJEC	MANUFACTURER	MODEL	RATETYPE	UNITCOST
1	1				
2	2				
3	3				
4	4				
5	5				
6	6				
7	7				
8	8				
9	9				
10	10				
11	11				
12	12				
13	13				
14	14				
15	15				
16	16				
17	17				
18	18				
19	19				
20	20				
21	21				
22	22				
23	23				
24	24				
25	25				
26	26				
27	27				
28	28				
29	29				
30	30				

azteca.EQUIPMENTLEAF  
& azteca.CWCUSTFIELD

dbo.Equipment

# GIS Database View

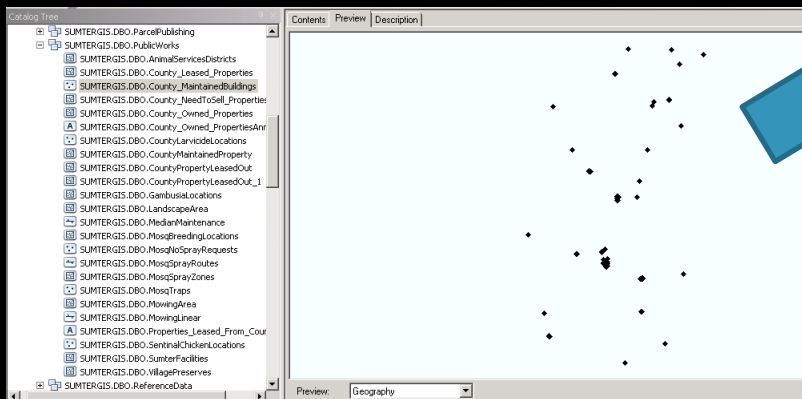
## SQL Equipment View

OBJECTID	EQUIPMENTID	EQUIPMENTNO	DESCRIPTION	MANUFACTURER	MODEL	DATETYPE	UNITCOST
1	4472	4472	Sprayer Back Pack (STHL 5620-4448)	STHL	5620-VR14	A	0.00000
2	428	428	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
3	260	260	Chainsaw (Famont 1037 Circular)	Famont	TS420	B	0.00000
4	4741	4741	Concrete Saw (Angle)	STHL	TS420	B	0.00000
5	4474	4474	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
6	4475	4475	Sprayer Back Pack (STHL 5620-4527)	STHL	5620-VR14	A	0.00000
7	4476	4476	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
8	302	302	Chainsaw (Famont 1037 Circular)	Famont	TS420	B	0.00000
9	4477	4477	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
10	234	234	Weed Eater (ECHO 280-9048)	ECHO	SRM280T-VR10	A	0.00000
11	4478	4478	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
12	219	219	Chainsaw (Famont 1037 Circular)	Famont	TS420	B	0.00000
13	4479	4479	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
14	4480	4480	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
15	4481	4481	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
16	4482	4482	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
17	4727	4727	Blower (STHL BR430-SC Forestry)	STHL	BR430	A	0.00000
18	4728	4728	Blower (STHL BR430-SC Forestry)	STHL	BR430	A	0.00000
19	4483	4483	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
20	238	238	Weed Eater (ECHO 280-9048)	ECHO	SRM280T-VR10	A	0.00000
21	264	264	Chainsaw (Famont 1037 Circular)	Famont	TS420	B	0.00000
22	4484	4484	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
23	268	268	Weed Eater (ECHO 280-9048)	ECHO	SRM280T-VR10	A	0.00000
24	268	268	Weed Eater (ECHO 280-9048)	ECHO	SRM280T-VR10	A	0.00000
25	262	262	Weed Eater (ECHO 280-9048)	ECHO	SRM280T-VR10	A	0.00000
26	4485	4485	Blower (HUSQVARNA 198B1-VR80)	HUSQVARNA	198B1-VR80	A	0.00000
27	236	236	Weed Eater (ECHO 280-9048)	ECHO	SRM280T-VR10	A	0.00000
28	234	234	Weed Eater (ECHO 280-9048)	ECHO	SRM280T-VR10	A	0.00000
29	1024	1024	Chainsaw (HUSQVARNA 395-26 in bar)	HUSQVARNA	395-26 in bar	A	0.00000
30	4486	4486	Weed Eater (STHL 130-9083)	STHL	F5130R-VR13	A	0.00000



Contents	Preview	Description
Name		Type
SUMTERGIS.DBO.DamageRespon...		SDE Relationship Class
SUMTERGIS.dbo.EquipmentGenerators		SDE Feature Class
SUMTERGIS.dbo.EquipmentLarge		SDE Feature Class
SUMTERGIS.dbo.EquipmentOther		SDE Feature Class
SUMTERGIS.dbo.EquipmentSmallEngines		SDE Feature Class
SUMTERGIS.dbo.EquipmentVehicles		SDE Feature Class
SUMTERGIS.DBO.FacilitySitePoint__ATTACH		SDE Table
SUMTERGIS.DBO.FacilitySitePoint__ATTACH...		SDE Relationship Class

## Spatial Views



## Building Points Features

# GIS Database View

**Cityworks** | Inbox | Calendar | Recent Activity | Request | Work Order | Inspection | Asset Search | Report | Storeroom | Project Manager

Search | Clear | Open | Save As...

### GIS Search

Feature: ☒ Object: ☐  
Entity Group: **Fleet** Entity: **Vehicles**  
Limit by extent: ☐  
Attached to WO:  WO Templates:   
WO Status:   
Attached to Insp:  Insp Templates:   
Insp Status:   
Attached to Case:  Case Type:   
Case Status:

### Search Query

No search specified. All records will be returned.

### Visible Fields in Search Results

Sort

OBJECTID  
EQUIPMENTSID  
EQUIPMENTUID  
DESCRIPTION  
MANUFACTURER  
MODEL  
RATETYPE  
UNITCOST  
WARRANTEEDATE  
FORCHECKOUT  
PURCHASEDATE

Search GIS data by entering / selecting values for the following attributes.

OBJECTID	EQUIPMENTSID	EQUIPMENTUID	DESCRIPTION	MODEL	UNITCOST	WARRANTEEDATE	FORCHECKOUT	PURCHASEPRICE	VIN_SERIAL	YEAR	EQUIPOWNER	TYPE	DEPARTMENT	WEXCARD
89	716	02281												
90	706	02282												
91	4700	02283												
95	4539	02304												
96	432	02305												
97	606	02306												
102	4540	02312												
106	4541	02346												
107	4701	02352												
117	462	02448												
118	464	02449												
119	318	02458												
120	466	02459												
121	468	02460												
122	470	02464												
126	768	02471												
133	4542	02531												
136	4702	02557												
137	3326	02567												
143	778	02617												

### Cityworks

GIS Search Criteria Data

Tools | Legend | Base Maps

### Legend

- ☒ Traffic Signal Group
- ☐ Sign Supports
- ☐ Adopt A Highway
- ☐ Mowing Routes
- ☐ Batwing Routes
- ☐ Trails and Paths
- ☐ Sidewalk
- ☐ Roads
- ☐ County Maintained Buildings
- ☐ County Maintained Property
- ☐ County Owned Properties
- ☒ Fleet
  - ☐ Other Equipment
  - ☐ Small Engines
  - ☒ Vehicles
  - ☐ Generators
  - ☐ Equipment Large
- ☒ Base
- ☒ World Imagery

Flat

Page 1 of 1, items 1 to 152 of 152.

40m

Bushnell

# Work Orders

**Cityworks** Inbox Calendar Recent Activity Request Work Order

Create Reload Entities Clear

Select Template

Entity Group: Fleet Category:

Feature Object Other

Generators  
Large Equipment  
Other Equipment  
Small Engines  
Vehicles

Class A PM  
Class B PM  
Class C PM  
Repair  
Welding and Fabricat

**Cityworks** Inbox Calendar Recent Activity Request Work Order Inspection Asset Search Report Storeroom Project Manager

Work Order View Save Close Delete

**Work Order**

Description: Class A PM  
Number: 173114  
Entity Type: VEHICLES  
Category: Operations - Fleet  
Initiated By: RICE JR., JOHNNY R. Date: 11/4/2016 1:26 PM  
Status: Closed Priority: Medium  
Requested By: Supervisor: WILSON, ALVIN M.  
Submit To: RICE JR., JOHNNY R. Date: 11/4/2016 1:26 PM  
Projected Start: 11/4/2016 1:26 PM Projected Finish:  
Opened By: RICE JR., JOHNNY R. Date: 11/8/2016 7:42:17 AM  
Closed By: RICE JR., JOHNNY R. Date: 11/4/2016 1:29:31 PM  
Completed By: RICE JR., JOHNNY R.  
Actual Start: Actual Finish: 11/3/2016 1:29 PM  
Actual Expense Type: Maintenance

Select

By RICE JR., JOHNNY R: 11/4/2016 1:26:56 PM  
Service and battery

This service should be performed every 4,000 miles.

Resolution Reactive?

**Location Information**

WO Address:  
Location Details: Shop  
Shop: Map Page:  
Tile Number: District:  
X Location: 622,166.49 Y Location: 1,573,603.42

**Assets**

Asset	Asset Id	Asset Uid	Location	Warranty Date	Work Completed	Fe
<input type="checkbox"/>	VEHICLES	107	02352		<input type="checkbox"/>	VE

- Pink rows indicate inventory still under warranty.

**Work Cycle**

Repeat: Never  
Interval: 2 Months  
From: Projected Start Date  
Date Printed: 11/8/2016 Next Print Date: 11/2/2016

**Related Work Activities**

Add Request:

**Inspections**

Add Inspection:

Id	Type	Description	Entity Id	Entity Type	Date	Inspected By	Loc
<input type="checkbox"/>	365	INSP	Fleet - PM A	02352	VEHICLES		

Remove

Parent:

Create Child Work Order

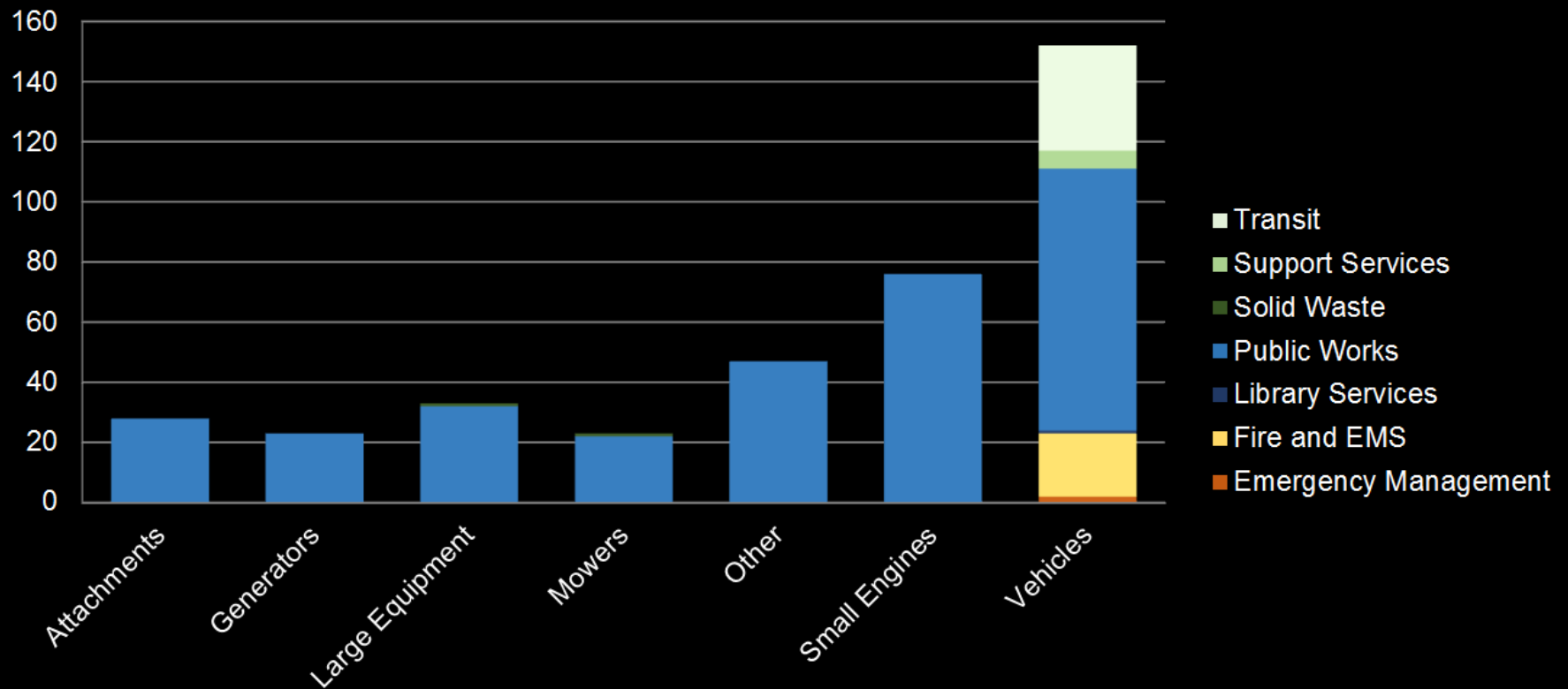


# Fleet Work Orders



# Growing Fleet

Public Works Equipment By Owner



# Work Request Form

Sumter County Public Works Division  
319 E Anderson Avenue  
Bushnell, FL 33513-6152  
(352) 569-6700  
Fax (352) 569-6701

## WORK ASSISTANCE REQUEST

Requested by: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Division: \_\_\_\_\_

Department: \_\_\_\_\_

Date of Request: \_\_\_\_\_

Division Head Approval: \_\_\_\_\_

*Work performed by Public Works employees will be billed according to wages, equipment, and material cost.  
Work performed by contract or other vendors will be billed based on actual invoice amount.*

### Description of Work Assistance Request

*Upon completion of form, please send to Mark Wilson in the Operations Department at [Mark.Wilson@sumtercountyfl.gov](mailto:Mark.Wilson@sumtercountyfl.gov) and  
cc Lee Lovett @ [Lee.Lovett@sumtercountyfl.gov](mailto:Lee.Lovett@sumtercountyfl.gov)*

### For Public Works Division Use Only

#### Public Works Comments:

Approved By: \_\_\_\_\_

Completion Date: \_\_\_\_\_

Date: \_\_\_\_\_

By: Public Works: \_\_\_\_\_

Contractor: \_\_\_\_\_

Other: \_\_\_\_\_

Billable Amount \_\_\_\_\_

*If completed by Public Works attach worksheet with employee  
and hours worked. If completed by contractor or other attach*



# Automation with WEX Fuel Cards

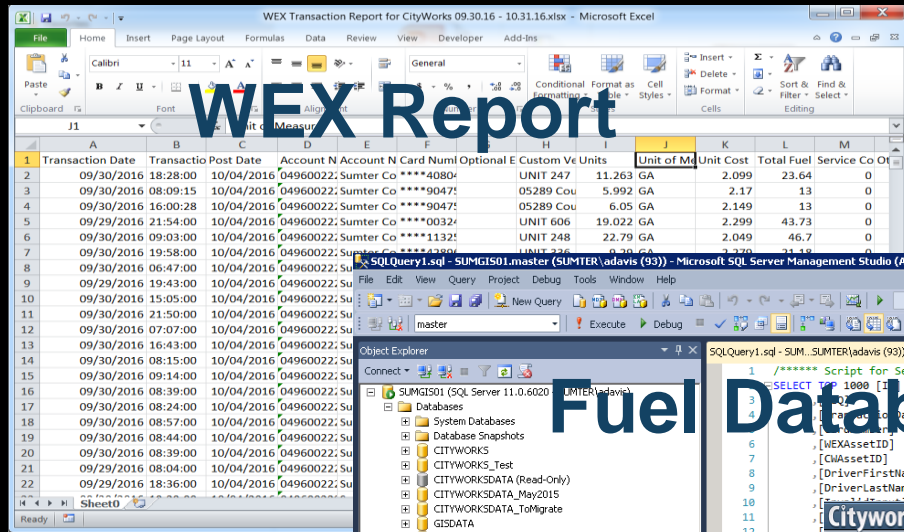


WEX Transaction Report for CityWorks 09.30.16 - 10.31.16.xlsx - Microsoft Excel

Transaction Date	Transaction Post Date	Account N	Account N	Card Num	Optional	Custom Ve	Units	Unit of Measure	Unit Cost	Total Fuel	Service Co	Other
09/30/2016	18:28:00	10/04/2016	04960022	Sumter Co	****4080	UNIT 247	11.263	GA	2.099	23.64	0	0
09/30/2016	08:09:15	10/04/2016	04960022	Sumter Co	****9047	05289 Cou	5.992	GA	2.17	13	0	0
09/30/2016	16:00:28	10/04/2016	04960022	Sumter Co	****9047	05289 Cou	6.05	GA	2.149	13	0	0
09/29/2016	21:54:00	10/04/2016	04960022	Sumter Co	****0032	UNIT 606	19.022	GA	2.299	43.73	0	0
09/30/2016	09:03:00	10/04/2016	04960022	Sumter Co	****1132	UNIT 248	22.79	GA	2.049	46.7	0	0
09/30/2016	19:58:00	10/04/2016	04960022	Sumter Co	****4289	UNIT 336	9.29	GA	2.279	21.18	0	0
09/30/2016	06:47:00	10/04/2016	04960022	Sumter Co	****4080	UNIT 247	18.551	GA	2.099	38.94	0	0
09/29/2016	19:43:00	10/04/2016	04960022	Sumter Co	****6492	UNIT 328	9.123	GA	2.299	20.97	0	0
09/30/2016	15:05:00	10/04/2016	04960022	Sumter Co	****4290	UNIT 337	7.252	GA	2.319	16.82	0	0
09/30/2016	21:50:00	10/04/2016	04960022	Sumter Co	****5100	UNIT 326	12.442	GA	2.359	29.35	0	0
09/30/2016	07:07:00	10/04/2016	04960022	Sumter Co	****5100	UNIT 326	13.632	GA	2.359	32.16	0	0
09/30/2016	16:43:00	10/04/2016	04960022	Sumter Co	****6531	UNIT 333	18.84	GA	2.299	43.31	0	0
09/30/2016	08:15:00	10/04/2016	04960022	Sumter Co	****0461	05100	9.45	GA	2.089	19.75	0	0
09/30/2016	09:14:00	10/04/2016	04960022	Sumter Co	****8534	02935	52.13	GA	2.419	126.11	0	0
09/30/2016	08:39:00	10/04/2016	04960022	Sumter Co	****6718	05569	19.54	GA	2.419	47.28	0	0
09/30/2016	08:24:00	10/04/2016	04960022	Sumter Co	****2878	02703	21.23	GA	2.049	43.5	0	0
09/30/2016	08:57:00	10/04/2016	04960022	Sumter Co	****2778	02789	78.294	GA	2.299	180	0	0
09/30/2016	08:44:00	10/04/2016	04960022	Sumter Co	****2836	02982	27.17	GA	2.199	59.75	0	0
09/30/2016	08:39:00	10/04/2016	04960022	Sumter Co	****2840	03846	58.38	GA	2.419	141.23	0	0
09/29/2016	08:04:00	10/04/2016	04960022	Sumter Co	****2853	02739	43.075	GA	2.159	93	0	0
09/29/2016	18:36:00	10/04/2016	04960022	Sumter Co	****6482	UNIT 512	20.925	GA	2.299	48.11	0	0

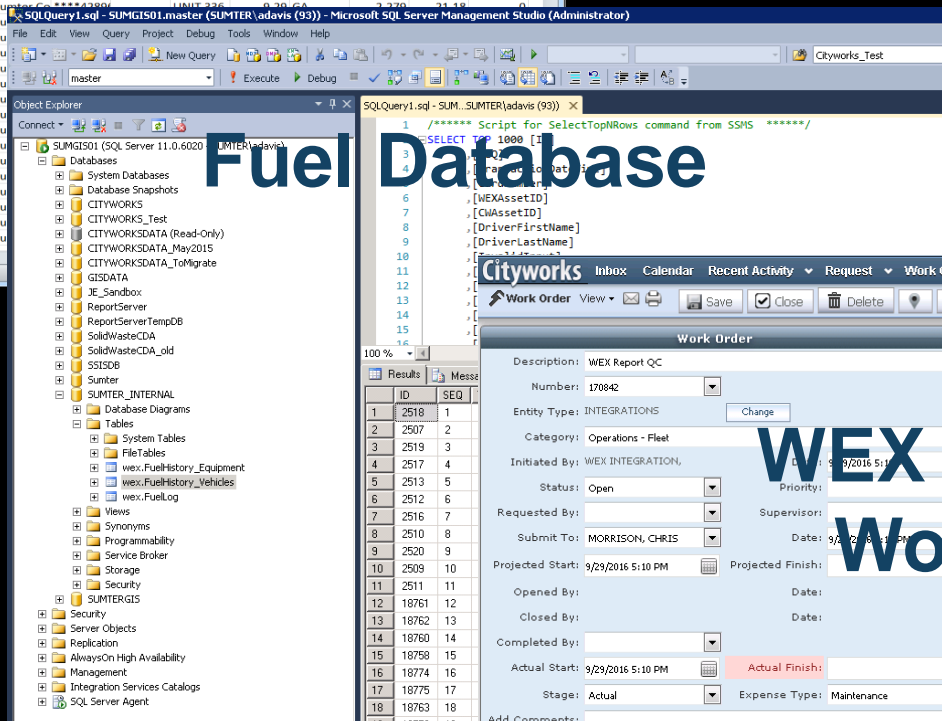
# WEX Fuel Card Integration

**WEX Report**



Transaction Date	Transaction Post Date	Account N	Account	Card Num	Optional E	Custom Ve	Units	Unit of Measure	Unit Cost	Total Fuel	Service Co	Other
09/30/2016 18:28:00	10/04/2016	04960022	Sumter Co	****4080			UNIT 247	11.263	GA	2.099	23.64	0
09/30/2016 08:09:15	10/04/2016	04960022	Sumter Co	****9047			05289 Cou	5.992	GA	2.17	13	0
09/30/2016 16:00:28	10/04/2016	04960022	Sumter Co	****9047			05289 Cou	6.05	GA	2.149	13	0
09/29/2016 21:54:00	10/04/2016	04960022	Sumter Co	****0032			UNIT 606	19.022	GA	2.299	43.73	0
09/30/2016 09:03:00	10/04/2016	04960022	Sumter Co	****1132			UNIT 248	22.79	GA	2.049	46.7	0

**Fuel Database**



SQL Query 1.sql - SUMGISOL.master (SUMTER (adavis (93))) - Microsoft SQL Server Management Studio (Administrator)

```
1 /***** Script for SelectTopNRows command from SSMS *****/
2 SELECT TOP 1000 [
3     [SUMTER].[wex].[FuelHistory_Equipment].[UnitID]
4     , [SUMTER].[wex].[FuelHistory_Equipment].[UnitCost]
5     , [SUMTER].[wex].[FuelHistory_Equipment].[UnitMeasure]
6     , [SUMTER].[wex].[FuelHistory_Equipment].[UnitCost]
7     , [SUMTER].[wex].[FuelHistory_Equipment].[UnitMeasure]
8     , [SUMTER].[wex].[FuelHistory_Equipment].[UnitCost]
9     , [SUMTER].[wex].[FuelHistory_Equipment].[UnitMeasure]
10    ]
11 FROM [SUMTER].[wex].[FuelHistory_Equipment]
12 WHERE [SUMTER].[wex].[FuelHistory_Equipment].[UnitID] = 247
13
```

**Cityworks** Inbox Calendar Recent Activity Request Work Order Inspection Asset Search Report Storeroom Project Manager

**Work Order** View Save Close Delete

**Work Order**

Description: WEX Report QC

Number: 170842

Entity Type: INTEGRATIONS

Category: Operations - Fleet

Initiated By: WEX INTEGRATION

Status: Open

Requested By: MORRISON, CHRIS

Submit To: MORRISON, CHRIS

Projected Start: 9/29/2016 5:10 PM

Projected Finish: 9/29/2016 5:10 PM

Opened By: MORRISON, CHRIS

Closed By: MORRISON, CHRIS

Completed By: MORRISON, CHRIS

Actual Start: 9/29/2016 5:10 PM

Actual Finish: 9/29/2016 5:10 PM

Stage: Actual

Expense Type: Maintenance

**Location Information**

WO Address: [Blank]

Location Details: [Blank]

X Location: [Blank]

Y Location: [Blank]

**Work Cycle**

Repeat: Never

Interval: 2 Months

From: Projected Start Date

Date Printed: 9/29/2016

Next Print Date: 9/29/2016

**Related Work Activities**

Add Request: [Blank]

Add Inspection: [Blank]

Parent: [Blank]

Create Child Work Order

Permits: [Blank]

Existing: By WEX Integration: 2016-09-29 17:10:14

Comments: Imported: WEX Transaction Report for CityWorks 08.01.2016-08.31.2016.xlsx

By WEX Integration: 2016-10-03 09:10:22

Imported: WEX Transaction Report for CityWorks 09.01.2016-09.30.2016.xlsx

By WEX Integration: 2016-11-03 07:25:26

# WEX Inbox

Cityworks
Inbox
Calendar
Recent Activity
Request
Work Order
Inspection
Asset Search
Report
Storeroom
Project Manager
Search...

Public Works
Weather
WEX
Fleet

### QC Reports

WEX Card Report QC Work Orders (Group)

Id	Description	Priority	Status	Submit To	Proj Start Date	Proj Finish Date	Actual Start	Actual Finish
170842	WEX Report QC		OPEN	MORRISON, CHRIS	9/29/2016 5:10 PM		9/29/2016 5:10 PM	

### WEX Card Transaction QC Reports

Vehicle & Large Equipment Transaction (w/ Odometer and Hour Readings)

Fuel Storage Containers and Non-WEX Card Assets

2
of 3 ?
Find | Next

#### 02458 - Truck (Chevrolet Silverado 1500 RC 4x4 SWB) Larvaciding

Transaction Date Time	Card Number	WEX Asset ID	Driver	Pump Input	Previous Odometer	Miles Traveled	Assumed Odometer	Fuel (Gallons)
WEX Transaction Report for CityWorks 08.01.2016-08.31.2016.xlsx								
08-15-2016 02:14 PM	****29082	02458	Garrett Johnson	140,833	140,749	84	140,833	8.50
08-23-2016 10:26 AM	****29082	02458	Garrett Johnson	141,008	140,833	175	141,008	17.02
08-30-2016 12:12 PM	****29082	02458	Garrett Johnson	141,134	141,008	126	141,134	12.87
WEX Transaction Report for CityWorks 09.01.2016-09.30.2016.xlsx								
09-01-2016 08:58 AM	****29082	02458	Garrett Johnson	141,229	141,134	95	141,229	8.73
09-06-2016 08:04 AM	****29082	02458	Garrett Johnson	9,912	141,229	-131317	141,229	2.11
09-12-2016 02:44 PM	****29082	02458	Garrett Johnson	141,408	141,229	179	141,408	17.49
09-20-2016 10:23 AM	****29082	02458	Garrett Johnson	9,912	141,408	-131496	141,408	2.00

#### 02464 - Dump Truck (Chevrolet C7500)

Transaction Date Time	Card Number	WEX Asset ID	Driver	Pump Input	Previous Odometer	Miles Traveled	Assumed Odometer	Fuel (Gallons)
WEX Transaction Report for CityWorks 09.30.16 - 10.31.16.xlsx								
10-05-2016 07:59 AM	****66353	02464	DJ Archbell	160,624	160,527	97	160,624	13.81

#### 02471 - Truck (Chevrolet K3500 4x4 1 ton)

Transaction Date Time	Card Number	WEX Asset ID	Driver	Pump Input	Previous Odometer	Miles Traveled	Assumed Odometer	Fuel (Gallons)
WEX Transaction Report for CityWorks 08.01.2016-08.31.2016.xlsx								
08-29-2016 08:54 AM	****27615	02471	Leroy Edwards	113,982	113,916	66	113,982	10.27

12
of 18
Find | Next

#### 06666 -

Transaction Date Time	Card Number	Vehicle Asset ID	Driver	Fuel (Gallons)
WEX Transaction Report for CityWorks 08.01.2016-08.31.2016.xlsx				
08-24-2016 12:12 PM	****28431	04246	SCI Boot Camp 1	5.00

#### 990015 - Gas Can, 5 gal

Transaction Date Time	Card Number	Vehicle Asset ID	Driver	Fuel (Gallons)
WEX Transaction Report for CityWorks 08.01.2016-08.31.2016.xlsx				
08-11-2016 10:14 AM	****28431	04246	SCI Boot Camp 1	5.08
08-19-2016 08:00 AM	****28431	04246	SCI Boot Camp 1	5.00
08-29-2016 08:35 AM	****28431	04246	SCI Boot Camp 1	5.00
08-30-2016 12:54 PM	****28431	04246	SCI Boot Camp 1	5.00
WEX Transaction Report for CityWorks 09.01.2016-09.30.2016.xlsx				
09-09-2016 12:38 PM	****28431	04246	SCI Boot Camp 1	5.11
09-15-2016 08:55 AM	****28431	04246	SCI Boot Camp 1	5.02
09-19-2016 12:57 PM	****28431	04246	SCI Boot Camp 1	4.93
09-27-2016 05:49 AM	****28431	04246	SCI Boot Camp 1	4.88
09-28-2016 08:34 AM	****28431	04246	SCI Boot Camp 1	4.19
WEX Transaction Report for CityWorks 09.30.16 - 10.31.16.xlsx				
10-14-2016 12:16 PM	****28431	04246	SCI Boot Camp 1	4.63

# WEX Report QC Work Order

**Cityworks** [Inbox](#) [Calendar](#) [Recent Activity](#) [Request](#) [Work Order](#) [Inspection](#) [Asset Search](#) [Report](#) [Storeroom](#) [Project Manager](#)

**Work Order** [View](#)

### Work Order

Description: WEX Report QC

Number: 170842

Entity Type: INTEGRATIONS [Change](#)

Category: Operations - Fleet

Initiated By: WEX INTEGRATION, Date: 9/29/2016 5:10 PM

Status: Open Priority:

Requested By: Supervisor:

Submit To: MORRISON, CHRIS Date: 9/29/2016 5:10 PM

Projected Start: 9/29/2016 5:10 PM Projected Finish:

Opened By: Date:

Closed By: Date:

Completed By:

Actual Start: 9/29/2016 5:10 PM Actual Finish:

Stage: Actual Expense Type: Maintenance

Add Comments:

[Select](#)

Existing Comments:

By WEX Integration: 2016-09-29 17:10:14  
Imported: WEX Transaction Report for CityWorks  
08.01.2016-08.31.2016.xlsx

By WEX Integration: 2016-10-03 09:10:22  
Imported: WEX Transaction Report for CityWorks  
09.01.2016-09.30.2016.xlsx

By WEX Integration: 2016-11-03 07:25:26

### Location Information

WO Address:

Location Details:

Shop: Map Page:

Title Number: District:

X Location: Y Location:

### Assets

<input type="checkbox"/>	Asset	AssetId	AssetUid	Location	WarrantyDate	Work Completed	Featur
No records to display.							

- Pink rows indicate inventory still under warranty.

### Work Cycle

Repeat: Never

Interval: 2 Months

From: Projected Start Date

Date Printed: Next Print Date: 9/29/2016

### Related Work Activities

Add Request:

Add Inspection:

Parent:

[Create Child Work Order](#)

### Permits

# Work Order Automation

Open

Print

Expand

Map

(31 records)

Id	Description	Priority	Status	Submit To	Proj Start Date
<a href="#">173731</a>	Class B PM	3	OPEN	RICE JR., JOHNNY	11/27/2016 12:00 AM
<a href="#">173732</a>	Class C PM	3	OPEN	RICE JR., JOHNNY	8/8/2015 12:00 AM
<a href="#">173733</a>	Class C PM	3	OPEN	RICE JR., JOHNNY	11/25/2016 12:00 AM
<a href="#">173734</a>	Class A PM	3	OPEN	RICE JR., JOHNNY	11/27/2016 12:00 AM
<a href="#">173735</a>	Class C PM	3	OPEN	RICE JR., JOHNNY	11/28/2016 12:00 AM
<a href="#">173736</a>	Class A PM	3	OPEN	RICE JR., JOHNNY	10/28/2016 12:00 AM
<a href="#">173737</a>	Class A PM	3	OPEN	RICE JR., JOHNNY	11/19/2016 12:00 AM
<a href="#">173738</a>	Class C PM	3	OPEN	RICE JR., JOHNNY	9/16/2016 12:00 AM
<a href="#">173739</a>	Class A PM	3	OPEN	RICE JR., JOHNNY	11/5/2016 12:00 AM
<a href="#">173740</a>	Class C PM	3	OPEN	RICE JR., JOHNNY	8/26/2016 12:00 AM
<a href="#">173741</a>	Class A PM	3	OPEN	RICE JR., JOHNNY	11/4/2016 12:00 AM
<a href="#">173742</a>	Class A PM	3	OPEN	RICE JR., JOHNNY	11/26/2016 12:00 AM
<a href="#">173743</a>	Class				
<a href="#">173744</a>	Class				
<a href="#">173745</a>	Class				
<a href="#">173746</a>	Class				
<a href="#">173747</a>	Class				
<a href="#">173748</a>	Class				
<a href="#">173749</a>	Class				
<a href="#">173750</a>	Class				
<a href="#">173751</a>	Class				
<a href="#">173752</a>	Class				

Cityworks

Inbox

Calendar

Recent Activity

Request

Work Order

Inspection

Asset Search

Report

Storeroom

Project Manager

Designer

Change Search

Grid View

Work Order Frequency

Open Selected

Clear Selected

Today

Dec, 2016

Sun	Mon	Tue	Wed	Thu	Fri
27	28	29	30	01 Dec	2
173734 - Class A PM	173758 - Class B PM				173745 - Class B PM
173731 - Class B PM	173746 - Class A PM				
	more...				
4	5	6	7	8	9
11	12	13	14	15	16
				173760 - Class B PM	
18	19	20	21	22	23
25	26	27	28	29	30

# Assets Without Fuel Card



# Operator Report

*Fleet 3/17/15*

## SUMTER COUNTY PUBLIC WORKS OPERATOR DAILY REPORT

(✓ = OK    X = Needs Repair - If item is marked with  
X show corrections made in note space at bottom of page)

Date 3-17-15 Unit No. 677    ✓ = OK    X = Needs Repair

OIL	✓	
WATER	✓	
BATTERY	✓	
BRAKES	✓	
WARNING FLASHER	✓	
ALL SIGNALS	✓	
DOORS	✓	
WINDSHIELD WIPERS	✓	
MIRRORS	✓	
TIRE/WHEELS	✓	
OIL PRESSURE GAUGE	✓	
FUEL GAUGE	✓	
LIGHTS	✓	
MILES/HOURS	<u>156094</u>	

Operator's Signature \_\_\_\_\_

NOTE:



Inspection
Details

Id: 378    Apply to All: ☐

Location: Mark

Status:    Resolution: Action Required

Insp. Date: 11/2/2016 2:30 PM    Inspected By: ROOT, BRUCE

### Fleet Inspection

**Odometer-Equipment Hrs**

45235

**Needs Repair**

☐ (No Repairs Needed)
☐ OIL
☐ WATER

☐ BATTERY
☐ BRAKES
☐ WARNING FLASHER

☐ ALL SIGNALS
☐ DOORS
☐ WINDSHIELD WIPERS

☐ MIRRORS
☒ TIRE/WHEELS
☐ OIL PRESSURE GAUGE

☐ FUEL GAUGE
☐ LIGHTS

**Comments**

Observation: Tire is looking low.

Repairs:

Recommendation:

Cond. Score: 0

# Reporting

## SUMTER COUNTY PUBLIC WORKS

SUMTER COUNTY, FLORIDA



### Fleet Equipment History Report

#### Equipment Information

Asset #: 02567

Equipment Category: Vehicles

Owner: Public Works

Year: 2001

Driver: Josh Wilson

Purchase Price: \$22,123.45

Dept: Facilities & Parks

Make: Chevrolet

Fuel:

Purchase Date: 2001-02-15

CC Number: CC009P

Model: C1500 EC 4x2

Wex Card: \*\*\*\*28829

Warranty Date:

Type: Truck, P/U

VIN:

#### Service History

Work Order #	Work Order Description	Odometer	Open Date	Finish Date	Labor Cost	Parts Cost	Repair Cost
173480	Repair	161,541		11-10-2016	\$21.07	\$15.00	\$36.07
172859	Class A PM	160,536		10-21-2016	\$18.41	\$18.97	\$37.38
171579	Class A PM	155,817		08-10-2016	\$13.79	\$31.66	\$45.45
171570	Repair	155,814		08-10-2016	\$21.46	\$0.00	\$21.46
170405	Repair	152,295		06-14-2016	\$12.27	\$25.71	\$37.98
170189	Class A PM	151,623		06-02-2016	\$15.35	\$15.39	\$30.74
168740	Repair	147,983	03-24-2016	03-24-2016	\$42.92	\$410.00	\$452.92
167988	Class A PM	145,621	02-11-2016	02-11-2016	\$46.44	\$119.72	\$166.16
166026	Class A PM	141,139		11-13-2015	\$13.79	\$21.96	\$35.75

#### Total Service History Costs

Total Labor Total Parts Total Repair

\$205.50 \$658.41 \$863.91

Total # Service Days Avg Turn Around Time

Avg Labor Avg Parts Avg Repair

2

0 day(s)

\$22.83

\$73.16

\$45.67



# Reporting

12/3/2016

## SUMTER COUNTY PUBLIC WORKS

SUMTER COUNTY, FLORIDA



### Equipment O&M Summary

#### Library Services

##### Vehicle Information

Asset #	Department	Year	Make Model	Type	VIN	Odometer	Purchase Date	Purchase Price	Driver	CC Number	WEX Card #	O & M		Service History					Fuel History		
												Lifetime Cost	Annual Cost	Last Service	# Repairs	# Days	Labor Cost	Parts Cost	Fuel Miles	Fuel Cost	MPG
04048		2007	Ford F550 RC 4X2 DRW	Bookmobile	1FDAF56P97F_A6												0.00	0.00			
Total O&M Costs for Library Services: Vehicles																	\$0.00	\$0.00			

#### Public Works

##### Vehicle Information

Asset #	Department	Year	Make Model	Type	VIN	Odometer	Purchase Date	Purchase Price	Driver	CC Number	WEX Card #	O & M		Service History					Fuel History		
												Lifetime Cost	Annual Cost	Last Service	# Repairs	# Days	Labor Cost	Parts Cost	Fuel Miles	Fuel Cost	MPG
03191	Animal Services	2005	Chevrolet 4x4 1/2 ton	Truck, 4x4, 1/2 ton		171541					****64522			4/19/2016	2		55.17	76.89			
04894	Animal Services	2009	Chevrolet G1500 Express	Van, Cargo, 1/2 ton		46187				CC054	****08394			8/1/2016	7	2	240.95	405.92			
05077	Animal Services	2011	Chevrolet Silverado 4x4	Truck, 4x4, 1/2 ton		139744					****64548			10/13/2016	15	2	719.69	2120.38			
05100	Animal Services	2011	Ford F150 1/2 ton	Truck, 4x4, 1/2 ton		168466					****64530			8/23/2016	7	1	182.72	806.21			
05127	Animal Services	2011	Ford Ranger 4X4	Truck, 4x4		79629					****29173			9/23/2016	9	1	174.64	666.93			
05348	Animal Services	2013	Ford F-250 3/4 ton	Truck, 4x4, 3/4 ton		35514					****64555			5/18/2016	2		27.62	19.23			
06140	Animal Services	2016	Chevrolet Silverado			7889	5/17/2016	28999			****21879			9/8/2016	5		206.60	180.76			
04921	Building Services	2010	Ford Escape	SUV			3/12/2010	16995						11/7/2016	3		78.67	168.95			
05126	Building Services	2011	Ford Ranger	Truck			6/17/2011	18530						7/11/2016	1		30.69	29.99			
02618	Engineering	2002	Chevrolet K1500	Truck, P/U		168777	2001-09-20	20322.33		CC677RB	****29116			9/29/2016	5	1	89.49	47.71			
02798	Engineering	2003	Chevrolet K1500 4x4 SWB	Truck, 4x4		166600	2002-12-12	22626.85		CC695RB	****29165			10/11/2016	8	1	198.26	455.47			
03293	Engineering	2005	Chevrolet K1500	Truck, P/U		129471	2005-06-16	21887.85		CC719RB	****29124			12/2/2016	3		52.38	319.53			
02304	Facilities & Parks	1998	Chevrolet	Truck, Dump													0.00	0.00			
02312	Facilities & Parks	1998	Chevrolet C2500 RC 4x2	Truck, Util		109650			Keith Judd		****28878			8/11/2015	1		31.75	18.56			
02460	Facilities & Parks	2000	Chevrolet K1500 4x4 SWB	Truck, 4x4		146545	2000-02-08	22959.50	Kerry Parker	CC644RB	****28860			1/4/2016	1		17.72	18.90			
02531	Facilities & Parks	2000	Chevrolet C2500 RC 4x2	Truck, Flatbed		122133			Robert Thamey		****28910			10/26/2016	6	1	117.31	1617.67			
02567	Facilities & Parks	2001	Chevrolet C1500 EC 4x2	Truck, P/U		160543	2001-02-15	22123.45	Josh Wilson	CC009P	****28829			11/10/2016	9	2	205.50	658.41			
02953	Facilities & Parks	2004	Chevrolet K2500 RC 4x4	Truck, 4x4		154747			Freddie Fudge		****28936			11/7/2016	6		85.64	292.85			
03181	Facilities & Parks	2005	Chevrolet Colorado EC 4x4	Truck, 4x4		117510			Spare		****28837			9/21/2016	5		200.76	466.60			
03204	Facilities & Parks	1998	Chevrolet	Truck, Dump													0.00	0.00			
03292	Facilities & Parks	2005	Chevrolet K1500 1/2 ton	Truck, P/U, 1/2 ton		159194	2005-06-16	21887.85	Chip Sorter	CC718RB	****28845			11/23/2016	2		44.14	101.51			
03341	Facilities & Parks	2005	Dodge Ram 1500 QC 4X2	Truck, P/U		80382			Bruce Atkinson		****28969			1/29/2016	1		22.03	1542.80			
03943	Facilities & Parks	2007	Chevrolet C2500 RC 4x2	Truck, P/U		118314			Lamar Sowell		****28944			7/13/2016	2		36.55	118.67			
05097	Facilities & Parks	2011	Chevrolet Express Cargo	Van, Cargo		84143			David Wilkes		****28886			11/14/2016	4		70.03	94.31			
05104	Facilities & Parks	2011	Chevrolet Silverado 2500	Truck, P/U		103447			Robert Rushing		****83652			6/2/2016	3		123.29	350.87			



# Questions?



**Bill Millinor, MS, GISP**

Client Services Manager

[bmillinor@jonesedmunds.com](mailto:bmillinor@jonesedmunds.com)



