

# SOLID WASTE

Using the Lucity Android Tablet APP

- 
- ❑ Solid Waste Bulk Pickups and Other Service Requests
- ❑ Commercial Solid Waste Pickups

Presented by:

City of North Port FL – Public Works Department

Monica Bramble – Assistant Public Works Director

Daniel Waldron – Operation Support Administrator



# Return on Investment

- ▶ Processing time for each request reduced from 18 minutes to 4 minutes for a savings of \$6 per request. Annually we have 2100 Service Requests which translates to \$150,000 in work time savings.
- ▶ One time costs for 3 tablets and software were \$6000 with annual re-occurring costs for cellular data connection and software maintenance equal to \$800 x 3 or \$2,400.
- ▶ ROI in first year = \$144,000



# View Tablet Process for Bulk Pickup (If Live Connection is Working)



# New Tablet Process

The screenshot displays the Lucity Mobile - Dashboard application. The top status bar shows 4G LTE, 68% battery, and 12:51 PM. The app header includes a logo, the title "Lucity Mobile - Dashboard", and navigation options: "GO OFFLINE", "MAP", and "MODULES".

The sidebar menu on the left contains the following items:

- QCSWaste
- BULK PICKUPS
- OTHER PICKUPS
- Training Work Orders
- TrafficSigns
- SW-DAILY
- StormwaterAssets
- BULK-PICKUPS
- OTHER-REQUESTS
- SWContainers
- SWDriverSum

The main content area is divided into two sections:

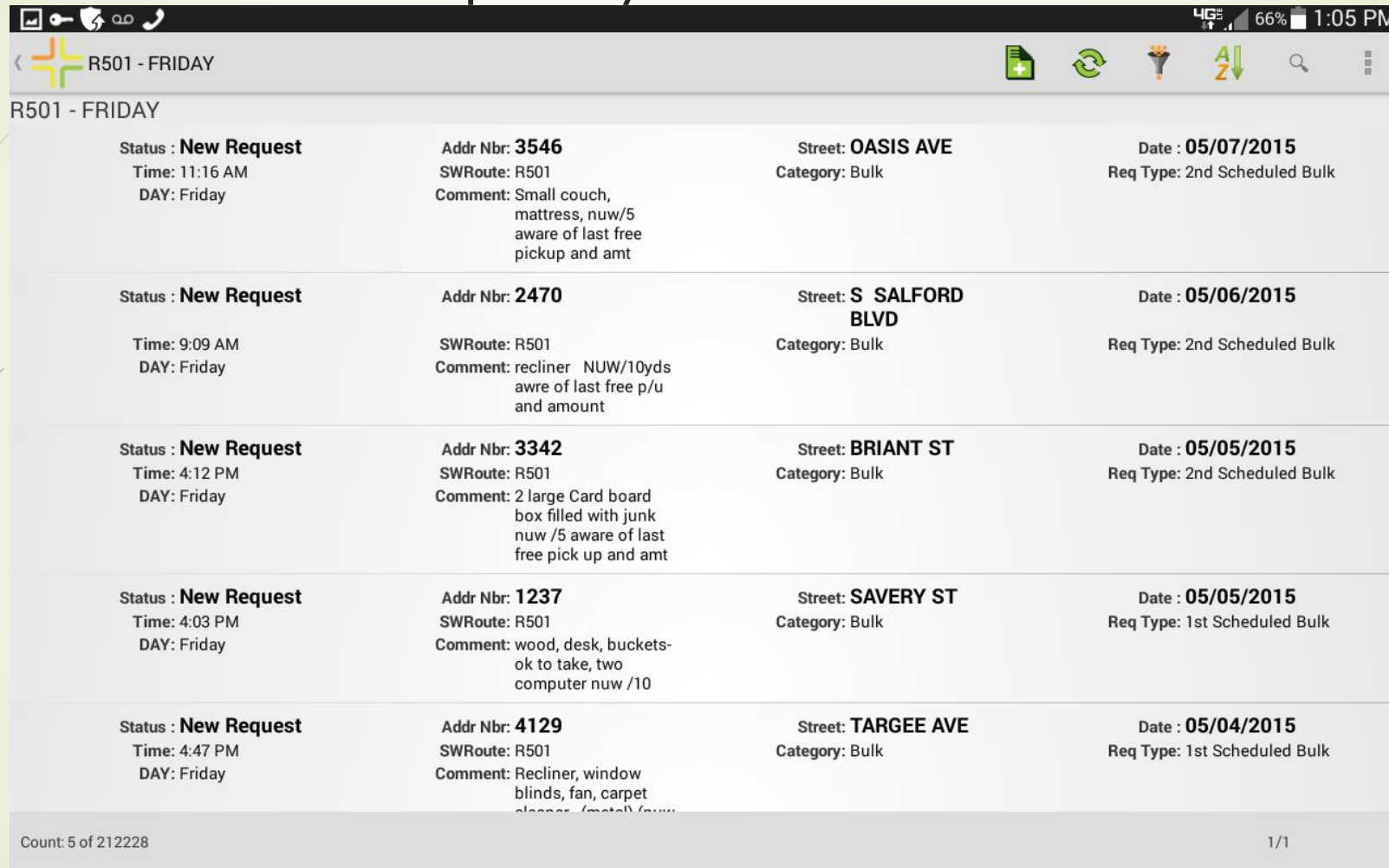
### BULK-PICKUPS

- + MONDAY (5)
- + TUESDAY (3)
- + WEDNESDAY (3)
- + THURSDAY (5)
- + FRIDAY (22)
- + COMPLETED (20)

### YARD WASTE

- + MONDAY (3)
- + TUESDAY
- + WEDNESDAY
- + THURSDAY (5)
- + FRIDAY (10)

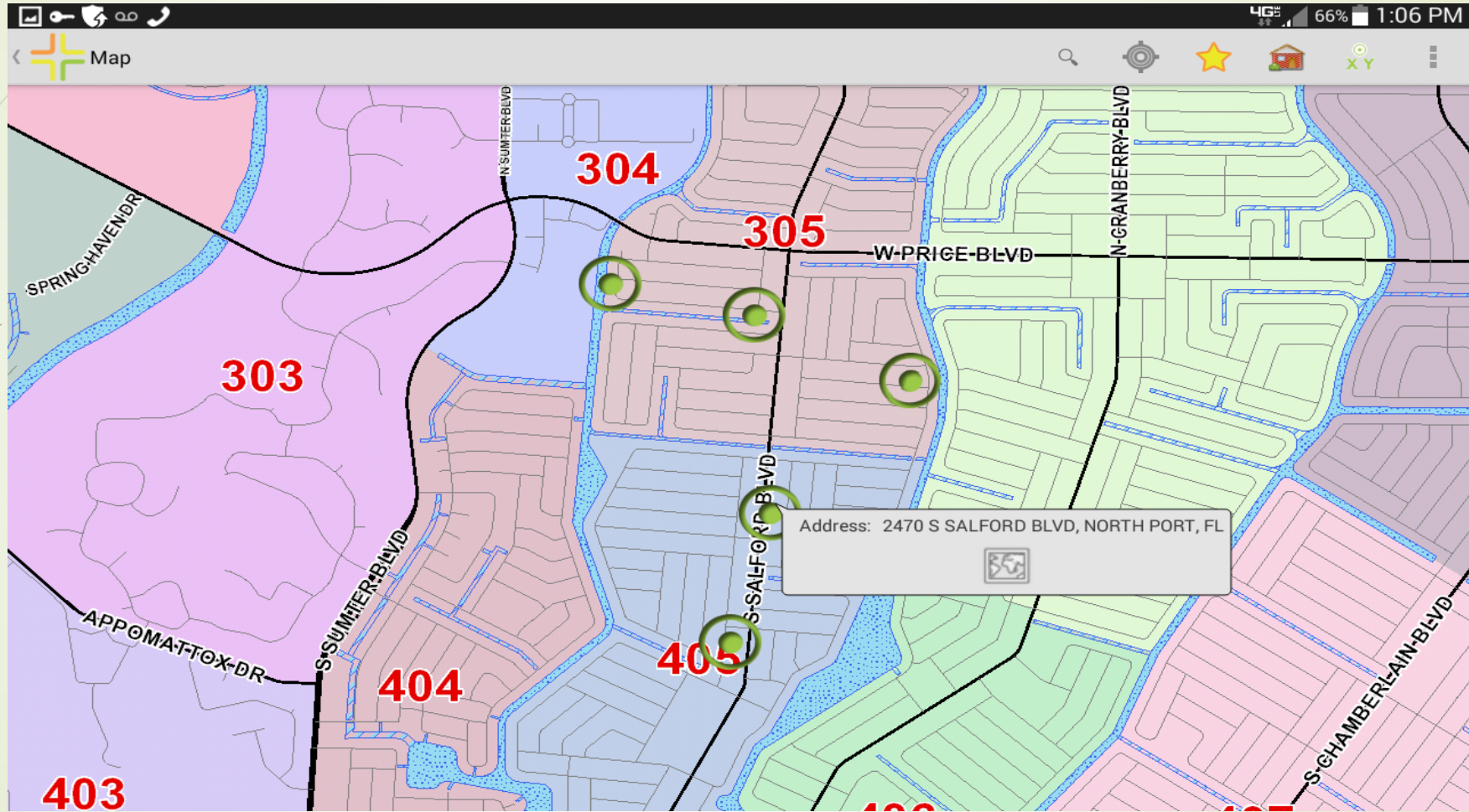
# List of Pickups by Route



Status	Time	DAY	Addr Nbr	SWRoute	Comment	Street	Category	Date	Req Type
New Request	11:16 AM	Friday	3546	R501	Small couch, mattress, nuw/5 aware of last free pickup and amt	OASIS AVE	Bulk	05/07/2015	2nd Scheduled Bulk
New Request	9:09 AM	Friday	2470	R501	recliner NUW/10yds aware of last free p/u and amount	S SALFORD BLVD	Bulk	05/06/2015	2nd Scheduled Bulk
New Request	4:12 PM	Friday	3342	R501	2 large Card board box filled with junk nuw /5 aware of last free pick up and amt	BRIANT ST	Bulk	05/05/2015	2nd Scheduled Bulk
New Request	4:03 PM	Friday	1237	R501	wood, desk, buckets-ok to take, two computer nuw /10	SAVERY ST	Bulk	05/05/2015	1st Scheduled Bulk
New Request	4:47 PM	Friday	4129	R501	Recliner, window blinds, fan, carpet cleaner, (metal) (nuw)	TARGEE AVE	Bulk	05/04/2015	1st Scheduled Bulk

Count: 5 of 212228 1/1

# MAP DISPLAY



# Map Instructions

from Your location  
to 3546 Oasis Ave

6 min (2.6 mi)  
via W Price Blvd

- Your location
- Head south on N Chamberlain Blvd toward W Price Blvd  
400 ft
- Turn right onto W Price Blvd  
1.8 mi
- Turn left onto S Salford Blvd  
400 ft
- Turn left onto Woodbridge Ave  
0.3 mi
- Continue onto Nimbus Dr  
0.3 mi
- Turn right onto Oasis Ave  
250 ft

Destination will be on the right

©2015 Google - Map data ©2015 Google

The screenshot shows a mobile navigation interface. At the top, there's a status bar with 4G, 65% battery, and 1:08 PM. Below that, a blue header displays the route from 'Your location' to '3546 Oasis Ave'. The main panel shows a list of instructions with icons for each step: a location pin for the start, an upward arrow for heading south, a right-turn arrow for W Price Blvd, a left-turn arrow for S Salford Blvd, another left-turn arrow for Woodbridge Ave, an upward arrow for continuing on Nimbus Dr, and a right-turn arrow for Oasis Ave. A blue line on the map indicates the route, starting from a red location pin, heading south on N Chamberlain Blvd, turning right onto W Price Blvd, then left onto S Salford Blvd, then left onto Woodbridge Ave, continuing on Nimbus Dr, and finally turning right onto Oasis Ave. A red pin marks the destination at 3546 Oasis Ave. The map background shows a residential street grid with various street names like N Salford Blvd, W Price Blvd, and S Chamberlain Blvd.

# Take Picture if Needed

15-011378

R501 - FRIDAY > 15-011378

[Work Request Tracking \(1\)](#) [Requestors \(1\)](#) [Work Request Comments \(0\)](#)

Request # 15-011378 Phone # 941-374-8994 \*Pickup Day 14 - Friday

First Name Amanda Last Name Archer

Req Address 3546 Req Street Name OASIS AVE \*SWRoute/Apt R501

Loc Address 3546 Loc Street Name OASIS AVE

\*Category 4130 Bulk

\*Request Type 4130-21 2nd Scheduled Bulk

Status 1 - New Request Request to Work Order Small couch, mattress, nuw/5 aware of last free pickup and amt Length-Feet

Status Date 05/07/2015 Width-Feet

Driver 1532 Frank Lama Height-Feet

Note

Documents

No Records

Close



# Complete Pickup Request

15-011378

R501 - FRIDAY > 15-011378

[Work Request Tracking \(1\)](#) [Requestors \(1\)](#) [Work Request Comments \(0\)](#)

Request # 15-011378 Phone # 941-374-8994 \*Pickup Day 14 - Friday

First Name Amanda Last Name Archer

Req Address 3546 Req Street Name OASIS AVE \*SWRoute/Apt R501

Loc Address 3546 Loc Street Name OASIS AVE \*SWRoute/LOC R501

\*Category 4130 Bulk

\*Request Type 4130-21 2nd Scheduled Bulk

Status 1 - New Request

Status Date 05/07/2015

Driver 1532 Frank Lama

Request to Work Order Small couch, mattress, nuw/5 aware of last free pickup and amt

Length-Feet \_\_\_\_\_

Width- Feet \_\_\_\_\_

Height-Feet \_\_\_\_\_

Note \_\_\_\_\_ AGC Nbr \_\_\_\_\_ Cubic Yards \_\_\_\_\_

1 2 3 [X]

4 5 6 Next

7 8 9 -.,+

SYM 0 [Clipboard]



# Return to Pickup List – Completed Requests will drop off the list

Status	Time	DAY	Addr Nbr	Street	Category	Date	Req Type
New Request	11:16 AM	Friday	3546	OASIS AVE	Bulk	05/07/2015	2nd Scheduled Bulk
New Request	9:09 AM	Friday	2470	S SALFORD BLVD	Bulk	05/06/2015	2nd Scheduled Bulk
New Request	4:12 PM	Friday	3342	BRIANT ST	Bulk	05/05/2015	2nd Scheduled Bulk
New Request	4:03 PM	Friday	1237	SAVERY ST	Bulk	05/05/2015	1st Scheduled Bulk
New Request	4:47 PM	Friday	4129	TARGEE AVE	Bulk	05/04/2015	1st Scheduled Bulk

Count: 5 of 212228

1/1

# Completed Requests can be viewed in Completed Line Item

The screenshot displays the Lucy Mobile Dashboard with a sidebar menu on the left and a main content area on the right. The sidebar menu includes items such as QCSWaste, BULK PICKUPS, OTHER PICKUPS, Training Work Orders, TrafficSigns, SW-DAILY, StormwaterAssets, BULK-PICKUPS, OTHER-REQUESTS, SWContainers, and SWDriverSum. The main content area is divided into two sections: BULK-PICKUPS and YARD WASTE. Each section has a list of days and their corresponding counts of completed requests.

Lucy Mobile - Dashboard

GO OFFLINE MAP MODULES

4G 68% 12:51 PM

**BULK-PICKUPS**

- + MONDAY (5)
- + TUESDAY (3)
- + WEDNESDAY (3)
- + THURSDAY (5)
- + FRIDAY (22)
- + COMPLETED (20)

**YARD WASTE**

- + MONDAY (3)
- + TUESDAY
- + WEDNESDAY
- + THURSDAY (5)
- + FRIDAY (10)



VIEW TABLET PROCESS for Commercial  
Pickups (If we have a connection)



# Solid Waste Route Report

9/7/2016

11:12 AM

11D

## Monday Garbage Dumpsters

### Solid Waste Route Sequence

Route #	Customer	Frequency	Address	Mon	Tue	Wed	Thu	Fri
<b>1 CITY OF NORTH PORT R &amp; D 1850 + W PRICE BLVD</b>								
300	Dumpster Metal D8	2 Days Per Week		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
8001	Tote 95gal	1 Day Per Week		<input checked="" type="checkbox"/>				
<b>2 CITY OF NORTH PORT PUBLIC WORKS 1100 N CHAMBERLAIN BLVD</b>								
220	Dumpster Metal D2W	1 Day Per Week		<input checked="" type="checkbox"/>				
371	Dumpster Cardboard C8	1 Day Per Week		<input checked="" type="checkbox"/>				
<b>3 PRICE CROSSING LLC 1251 S TOLEDO BLADE BLVD</b>								
301	Dumpster Metal D8	3 Days Per Week		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
372	Dumpster Cardboard C8	2 Days Per Week		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>
Near Publix								
<b>4 SNS PARTNERS INC - Burger King 1071 S TOLEDO BLADE BLVD</b>								
239	Dumpster Metal D4	2 Days Per Week		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
350	Dumpster Cardboard C4	1 Day Per Week						<input checked="" type="checkbox"/>
<b>5 TOLEDO BLADE ELEMENTARY SCHOOL 1201 GERANIUM AVE</b>								
270	Dumpster Metal D6	5 Days Per Week		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>6 IMAGINE SCHOOL PLUS GYM LOCATION 2757 SYCAMORE ST</b>								
246	Dumpster Metal D4	1 Day Per Week		<input checked="" type="checkbox"/>				
292	Dumpster Metal D8	4 Days Per Week		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
377	Dumpster Cardboard C8	1 Day Per Week						<input checked="" type="checkbox"/>
<b>7 IMAGINE SCHOOL 1000 INNOVATION AVE</b>								
302	Dumpster Metal D8	4 Days Per Week		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
373	Dumpster Cardboard C8	1 Day Per Week						<input checked="" type="checkbox"/>
<b>8 HMS BEAGLE LLC 1075 INNOVATION AVE</b>								
286	Dumpster Metal D6L	2 Days Per Week		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
355	Dumpster Cardboard C6	1 Day Per Week		<input checked="" type="checkbox"/>				
<b>9 VICTOR DISTRIBUTING COMPANY 2226 MURPHY CT</b>								
10	Rolloff R20							
26	Rolloff R20							
271	Dumpster Metal D6	2 Days Per Week		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	

# Solid Waste Commercial Pickup

Lucity Mobile - Dashboard

GO OFFLINE MAP MODULES 9:04 AM

NP Customer Addresses

ADDRESS LOOKUP

Drainage Planner Inspections

NP MAP GRIDS and INSPECTIONS

BudgetWO

OTHER-REQUESTS

Requests

BUDGET TRACKING R&D

SWCommercialRout

Water Control Structures

Management View

### SW Commercial Routes and Accounts

- Monday Commercial Route Work Orders (5)
- Tuesday Commercial Route Work Orders (3)
- Wednesday Commercial Route Work Orders (5)
- Thursday Commercial Route Work Orders (3)
- Friday Commercial Route Work Orders (4)
- ALL SW Commercial Accounts with Containers (346)
- Completed Commercial Routes (50)

# List of Commercial Routes for Monday

Monday Commercial Route Work Orders			
<b>System ID 1: 11D</b>	<b>Desc 1: Monday Garbage Dumpsters</b>	<b>Desc 2: Garbage - Dumpster</b>	<b>Est/Actual START: 09/12/2016</b>
<b>Lead Worker Text:</b>	<b>Main Task Text:</b> SW Commercial Pickup	<b>Status Date:</b> 09/06/2016	<b>Street Post Bldg No:</b>
<b>Street Name:</b>	<b>WO Creation Date:</b> 09/06/2016	<b>WO Creator:</b> MCorcoran	
<b>System ID 1: 12D</b>	<b>Desc 1: Monday Garbage Dumpsters 2nd Rte</b>	<b>Desc 2: Garbage - Dumpster</b>	<b>Est/Actual START: 09/12/2016</b>
<b>Lead Worker Text:</b>	<b>Main Task Text:</b> SW Commercial Pickup	<b>Status Date:</b> 09/06/2016	<b>Street Post Bldg No:</b>
<b>Street Name:</b>	<b>WO Creation Date:</b> 09/06/2016	<b>WO Creator:</b> MCorcoran	
<b>System ID 1: 13P</b>	<b>Desc 1: Monday Cardboard Dumpsters</b>	<b>Desc 2: Cardboard</b>	<b>Est/Actual START: 09/12/2016</b>
<b>Lead Worker Text:</b>	<b>Main Task Text:</b> SW Commercial Pickup	<b>Status Date:</b> 09/06/2016	<b>Street Post Bldg No:</b>
<b>Street Name:</b>	<b>WO Creation Date:</b> 09/06/2016	<b>WO Creator:</b> sruff	
<b>System ID 1: 15S</b>	<b>Desc 1: Monday School Dumpsters</b>	<b>Desc 2: Garbage - Dumpster</b>	<b>Est/Actual START: 09/05/2016</b>
<b>Lead Worker Text:</b>	<b>Main Task Text:</b> SW Commercial Pickup	<b>Status Date:</b> 09/01/2016	<b>Street Post Bldg No:</b>
<b>Street Name:</b> PRICE	<b>WO Creation Date:</b> 09/01/2016	<b>WO Creator:</b> RRodriguez	
<b>System ID 1: 14C</b>	<b>Desc 1: Monday Compactors</b>	<b>Desc 2: Compactors</b>	<b>Est/Actual START: 09/05/2016</b>
<b>Lead Worker Text:</b>	<b>Main Task Text:</b> SW Commercial Pickup	<b>Status Date:</b> 08/30/2016	<b>Street Post Bldg No:</b>
<b>Street Name:</b> TUSCOLA	<b>WO Creation Date:</b> 08/30/2016	<b>WO Creator:</b> RRodriguez	



# Route 11D Work Order with 32 Pickup Locations

16-002367

Monday Commercial Route Work Orders > 16-002367

[Tasks \(0\)](#) [Pickup Locations \(32\)](#) [Comments \(0\)](#)

Work Order #	Route ID	Desc 1
16-002367	11D	11D Monday Garbage Dumpsters
Status Date	Start Date	Start Time
09/06/2016	09/12/2016	8:00 AM
Status	Est/Actual END	End Time
2 - New Work Order		
TRUCK CID	Tons Dumped	Trip 2 Tons
	Trip 2 Date	Trip 2 Time
Driver		

Comments

# List of Pickups for Mondays Route 11D

Monday Commercial Route Work Orders > <a href="#">16-002367</a> > Pickup Locations			
<b>Desc 1: Monday Garbage Dumpsters</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: Garbage - Dumpster</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1850 W PRICE BLVD</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: CITY OF NORTH PORT R &amp; D</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1100 N CHAMBERLAIN BLVD</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: CITY OF NORTH PORT PUBLIC WORKS</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1251 S TOLEDO BLADE BLVD</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: PRICE CROSSING LLC</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1071 S TOI FDO</b>	<b>Desc 2: SNS PARTNERS</b>	Completion Date:	Completion Time:



# Solid Waste Commercial Pick Up Screen

Current Record

[Monday Commercial Route Work Orders](#) > [16-002367](#) > [Pickup Locations](#) > Current Record

CITY OF NORTH PORT R & D      1850 W PRICE BLVD

Completion Date      Completion Time      Yards Overloaded

Open/Unlock Gate       Pulled Out Dumpster      Time to Clean Area

Dumpster Maint Required      Compactor Tons      Comp Disposal \$\$

General Comment  
Enter your comment here

Gate Charge      Pull Charge      Extra Yards Charge      Cleanup Charge

# List of Pickups for Mondays Route 11D

Monday Commercial Route Work Orders > <a href="#">16-002367</a> > Pickup Locations			
<b>Desc 1: Monday Garbage Dumpsters</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: Garbage - Dumpster</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1850 W PRICE BLVD</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: CITY OF NORTH PORT R &amp; D</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1100 N CHAMBERLAIN BLVD</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: CITY OF NORTH PORT PUBLIC WORKS</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1251 S TOLEDO BLADE BLVD</b> Open/Unlock Gate: false Clean Area: CompTons: CleanChg:	<b>Desc 2: PRICE CROSSING LLC</b> Pull Out Dumpster: false Time Clean: GateChg: CompChg:	Completion Date:  Yards Overloaded: Dumpster Maint: PullChg: Comment:	Completion Time:  Tons Over: Repair Needed: ExtrChg: General Comment:
<b>Desc 1: 1071 S TOI FDO</b>	<b>Desc 2: SNS PARTNERS</b>	Completion Date:	Completion Time:



When Finished Travel to land fill and record tonnage, date and time completed, and change status

The screenshot shows a mobile application interface for managing work orders. At the top, there is a navigation bar with a back arrow, a home icon, and the work order ID '16-002367'. To the right of the navigation bar are icons for document, save, camera, list, and search. Below the navigation bar, the text 'Monday Commercial Route Work Orders > 16-002367' is displayed. Underneath, there are three tabs: 'Tasks (0)', 'Pickup Locations (32)', and 'Comments (0)'. The main content area contains several input fields for work order details:

Work Order #	Route ID	Desc 1
16-002367	11D	11D Monday Garbage Dumpsters

Status Date	Start Date	Start Time
09/06/2016	09/12/2016	8:00 AM

Status	Est/Actual END	End Time
2 - New Work Order		

TRUCK CID	Tons Dumped	Trip 2 Tons

Trip 2 Date	Trip 2 Time

Driver

Comments