



## Dover Shores CERT Team Meeting Agenda 11/08/18

- Learning from others: Hurricane Michael
- Liquefaction
- Pit Toilets
- Package Theft

### Upcoming events:

- 11/13 6:30PM CERT All Hands Meeting - Library Friends Room
- 11/20 9AM CPR Class - Station 7
- 1/30 6:30PM - State of CERT banquet - Oasis?
- 2/7 9AM Thursday Day CERT Class - Station 7
- 3/2 8:30AM Saturday CERT Class - Station 7

Next meeting: Thursday 3/14 7:00 PM - Jim's House

## Hurricane Michael



### Hurricane Michael - experience and lessons learned (just left site)

I am a out of state owner of a vacation property in the Panhandle of Florida. I went down early to volunteer for a search and rescue group and check on my property and several others that friends and family own. Also had some wellness checks.

I drove down in a beater pickup with jerry cans of gas, and topping off the tank every hour until I hit the areas that had no gas. I over provisioned food and water for myself plus had the donation supplies. Packed a 12v air pump and tire kit. Lots of LED lights, and construction tools.

Airpump and tire kit - priceless. screws and nails everywhere, I patched a lot of tires.

#### **The people that stayed (hunkered down):**

Three types of people.

1. Those who spent the time and prepared and could self sustain for a week or more without any support.
2. The people that did not and only had a 1/8th of a tank of gas in their car, no ice, food, clean water, etc. before the storm hit.
3. The elderly and extreme poor that have no resources to begin with.

By Saturday morning as resources showed up you saw people waiting in line for hours for a bag of ice. You saw people waiting hours to get rationed gas, you saw people waiting hours to get food. Those were the lucky ones. They could get out in a car to places that were providing support. Then you had / still have the people that can not leave their home because they are blocked in.

**90% of the problems could have been resolved if people would have spent the time to prepare simply, ie:**

1. Freeze a bunch of 1 gallon water jugs - you now have ice for food preservation and drinking, showering, brushing teeth, cooking water when it melts in a convenient container.
2. Preparing a cooler - Any hardsided cooler can hold ICE for 48 hours or more if you prep the cooler. If you do not know about cooler preparation look it up. Also learn about wrapping a cooler in blankets / towels.
3. Having non perishable food tucked away in a cabinet. You don't need some fancy end of world prepper food, just some cans, pre packed lunches like the tuna ones or the ones for kids, pop tarts, peanut butter, ramen noodles, etc.
4. Filling your car tank up before the storm. - can't stress this enough.
5. Nice to have: a generator and jerry cans of gas.

**The strangest part of it:**

I was near one of the border lines. I was crossing a bridge where on one side of a bridge people were waiting in lines for food/water/ice with no cellphone/power/etc. The other side of the bridge people out shopping, heading to the beach, eating lunch at restaurants like nothing happened. It was a mind trip. The reason was the national guard and police were not letting people in or out until deemed safe and unless you

were doing supply runs.

### **The volunteers:**

People are great. There are people that drive from all over the country to work for a week or two for free. This is their vacations. They are running supplies, going door to door for wellness checks, they are giving out food and water, they are just giving everything. Truly amazing. One guy said to another "some people go to Paris for vacation, I come to hurricanes". Donate to the little guys. Police and military have big problems to deal with (hospitals, hwys, buildings, etc), the volunteers are the ones going door to door in neighborhoods.

### **The things people do not think about that make the biggest difference:**

- Airpump and tire patch kit

- Camping showers with soap

- Multiple cheap prepaid cell phones, you never know which carrier is going to be up first. This weekend ATT was first up. verizon did not get up until 7PM saturday and it was hit or miss even when I left on Sunday night. Sprint / t-mobile never got up while I was there. No stores to buy a phone. Communication is the biggest thing. When you can't call loved ones to check on them it almost shuts your body down with stress. I never understood when you would see a reporter give a sat phone to someone and they just cried and cried once they talked to someone. I know get it. **COMMUNICATION.** There is only three cellphone networks ATT, Verizon, Sprint/Tmobile. All the rest are owned or operate on one of those three carriers. example: Metro PCS uses ATT. Cricket is ATT and owned by ATT. Virgin uses Verizon. etc. etc.

- Long range walkie talkies or FRS radios. No cell coverage. - Battery banks to charge cellphones and walkie talkies- simple solar panel charger

### **Why most people who prepare do it wrong:**

I met a lot of people that were prepared, but they talked about that they had the "best" knife, the best "boots", the best "tent" but they still needed ice or gas. Don't over think being prepared. In every case you just need to make it a week or less. If you need to make it past a week you should just work on getting the hell out of there. If we all need to make it more than week, then we are back in the stone age. The best knife does not matter when you are just cutting plastic wrap on a pallet of water. the best boots don't matter, the best tent does not matter when you are not sleeping. Don't

overthink it.

### **Hunker down vs get out:**

- Get out, don't be a dumbass. it is just material. If you have the ability and means, get the hell out!!!!

- You are literally gambling with your life. We saw houses that "vanished" just a bare lot where they where the day before. The house next door looked like nothing happened. Same house, same builder, same age, just bad luck. Anyone in that house is gone.

- If you are dumb enough to stay and hunker down do not try to help someone who was dumb enough to stay too, we saw the horrific ramifications of that.

### **Pre Hurricane Andrew vs post hurricane Andrew construction:**

Many may not know but after hurricane Andrew Florida changes construction codes. People bitch about them to this day. It is over construction and waste, blah blah. It save Billions of dollars of damage and thousands of lives. Going to the beachfront you can tell the age of a building by the damage. If you ever buy something in the state of florida you better buy a post Andrew building or tear down and rebuild.

Edit #2. A long gas funnel. The new EPA spouts on gas cans suck! They don't work or leak. You spill more gas than you transfer. Modern cars they do not fit. Buy a long oil funnel 12" one.

[Original Reddit Post](#)

## Liquefaction

**Liquefaction** is a phenomenon in which the strength and stiffness of a soil is reduced by earthquake shaking or other rapid loading. **Liquefaction** and related phenomena have been responsible for tremendous amounts of damage in historical earthquakes around the world.



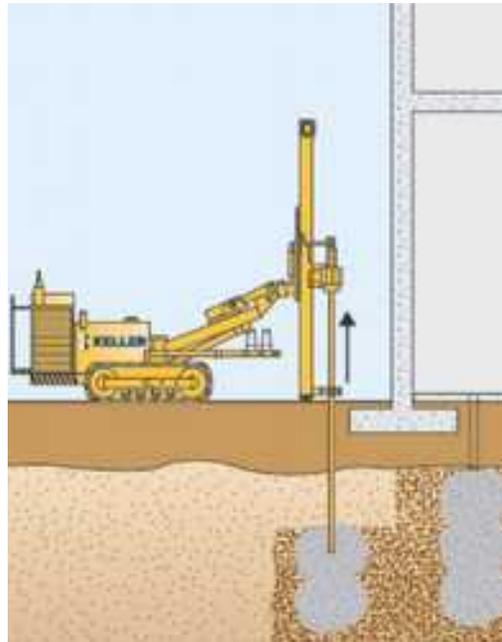
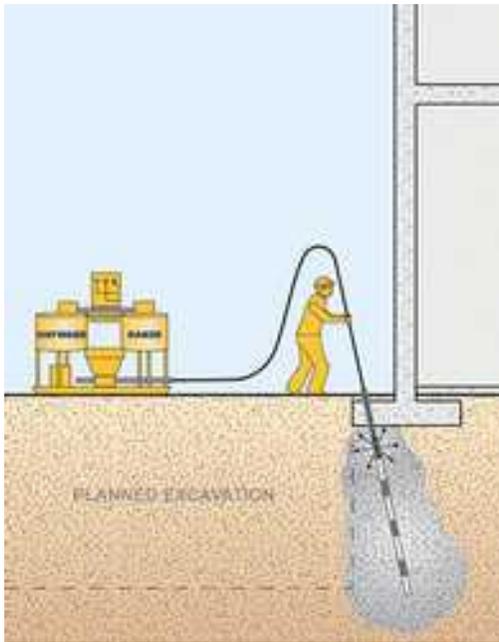
*Figure 1 Newport Beach Liquefaction Risk Zones*



*Figure 2 Christchurch, NZ*



*Figure 3 Christchurch, NZ*



## Ground Improvement and Liquefaction Mitigation

The Next Generation in Ground Improvement, Liquefaction Mitigation and Bearing Capacity Enhancement Solutions



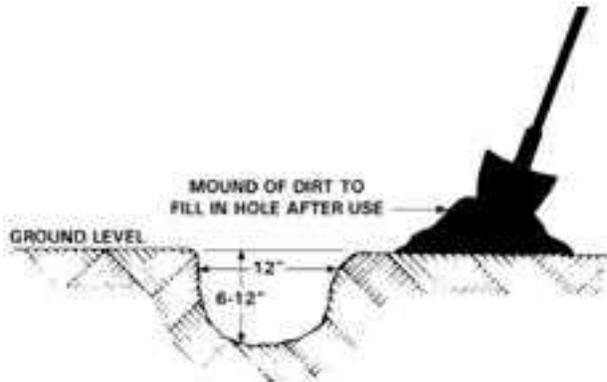
Remediating structures affected by serious ground issues, such as liquefaction, poor compaction or settlement, has up until now been a complex process. **Weak ground** can compromise building foundations and footings, putting the structure at risk of collapse. Ground improvement solutions that are currently available are limited, highly invasive, costly, time consuming and messy. If the ground improvement work requires a building tenant to relocate, the interruption to business can add further losses to both the business operator and building owner.

### Now there is an exciting new alternative

Following years of **extensive research and testing**, Mainmark has developed a proven, non-invasive Ground Improvement and Liquefaction Mitigation solution that is new to the market. The Terefirm™ resin injection solution for Liquefaction Mitigation uses ground remediation technologies to address underlying **ground vulnerability** and can be applied under existing structures, or directly into vacant ground in preparation for new construction.

[What Can I Do? - USGS Link](#)

## Pit Toilets



## When creating an emergency toilet, it is always important to:

- Locate the toilet away from food preparation or eating areas.
- Locate latrines and portable toilets at least 100 feet away from surface water bodies such as lakes, rivers, streams, and at least 100 feet downhill or away from any drinking water source (well or spring), home, apartment, or campsite.
- Provide a place next to the emergency toilet to wash hands that offers soap, running water, and paper towels.
- Keep doors and covers closed when the toilet is not in use to keep out insects and animals and to prevent injury.
- Always supervise small children when they are using the emergency toilet.

## About latrines

A latrine is hole that is dug in the ground to collect human waste. They are usually built with a seat and cover.

- Latrines are not appropriate in urban locations.
- The hole for a latrine must be at least 3 feet deep. Keep the bottom of the hole at least 1 foot above hard pan or the water table. Sites which can not be dug deep enough and still provide a 1 foot separation to a water table or hard pan are not appropriate sites for a latrine.
- After each use, throw dirt, lime, mulch, or ash in the latrine to minimize odors and to keep flies, mosquitoes, and rodents away.
- Cover the latrine between use with plywood, or another material.

## How to convert a flush toilet or make an emergency toilet from a pail

1. Line the inside of a toilet bowl, 5 gallon pail, or another appropriately sized waste container with two heavy-duty plastic garbage bags.
2. Place kitty litter, fireplace ashes, or sawdust into the bottom of the bags.
3. At the end of each day, the bagged waste should be securely tied and removed to a protected location such as a garage, basement, outbuilding, and so on, until a safe disposal option is available.
4. Residents may dispose of the waste in a properly functioning public sewer, or septic system, or they may bury the waste on their own property.

**NOTE:** During a declared emergency, these bags may be included with the regular garbage if a public announcement has been made that allows this method of disposal.



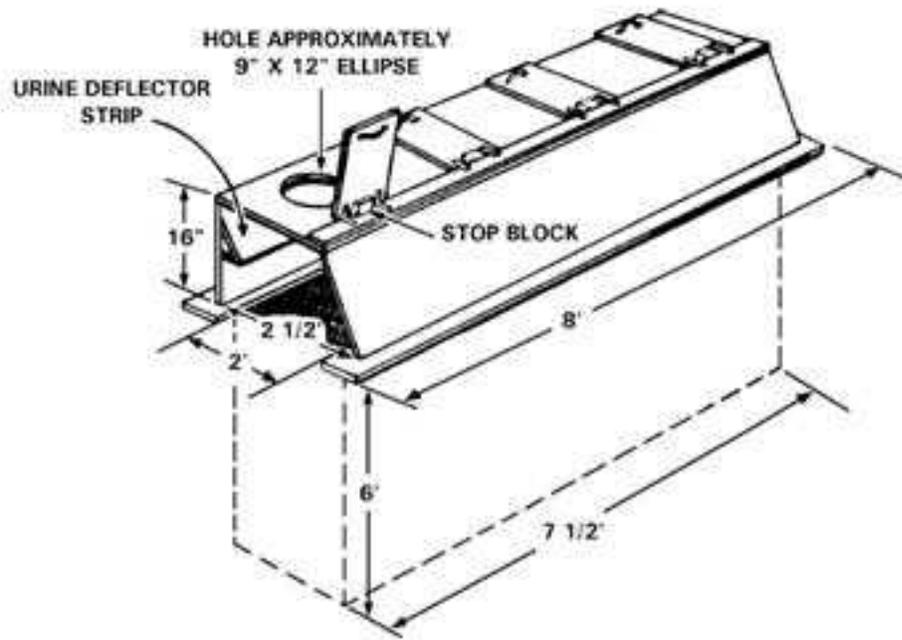
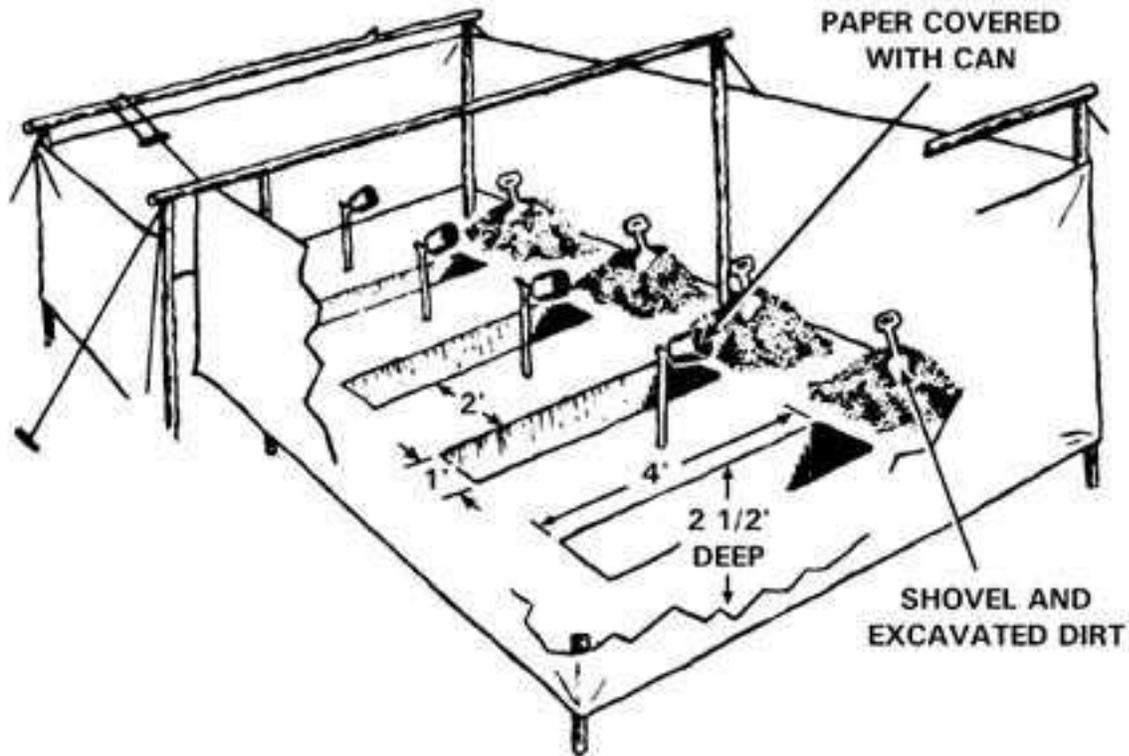
**DISPOSA-JOHN**



**INDIVIDUAL SERVICE  
MEMBER FIELD TOILET**



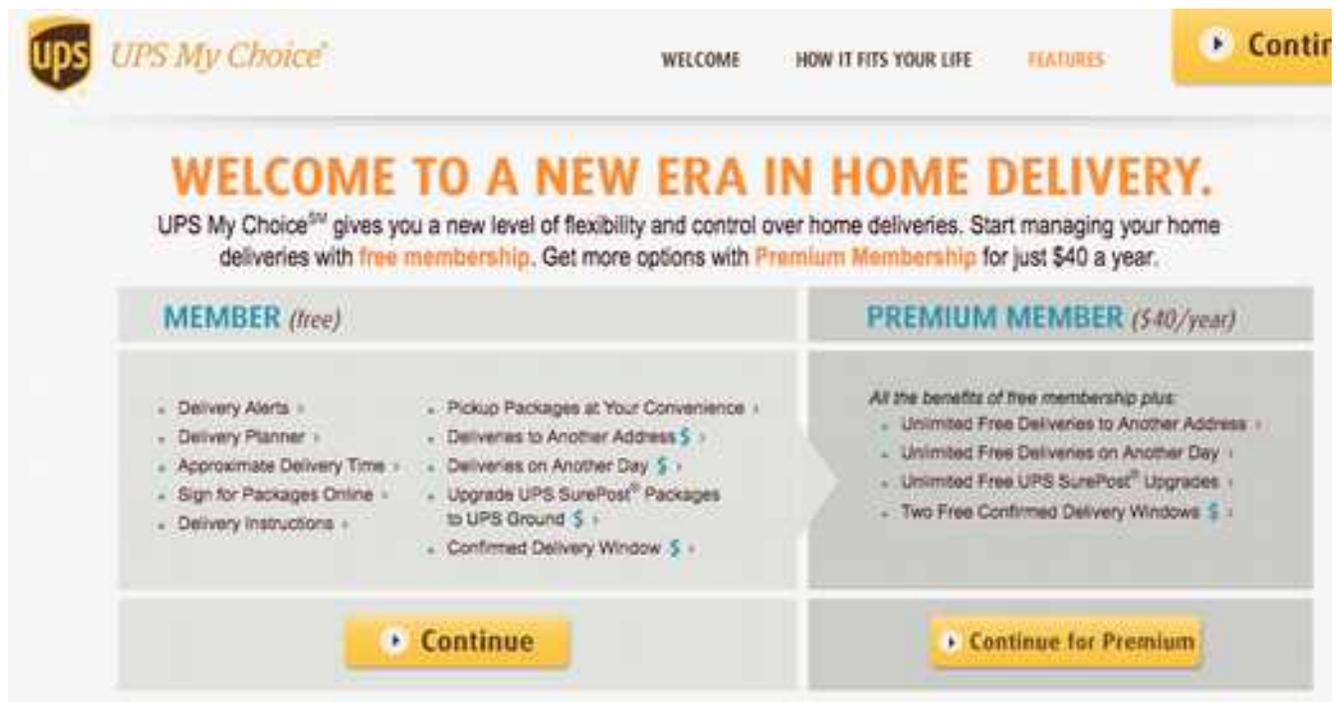
**DROP-BOX TOILET**



# Package Theft

Suggestions for preventing package theft:

1. Use smart package lockers such as Amazon locker
2. Have packages delivered to workplace or office.
3. Install security cameras, real or fake.
4. Use BoxLock
5. Use Amazon Key for delivery.
6. Require signature for delivery.
7. Sign up for delivery alerts - UPS My Choice
8. Reroute or reschedule delivery.

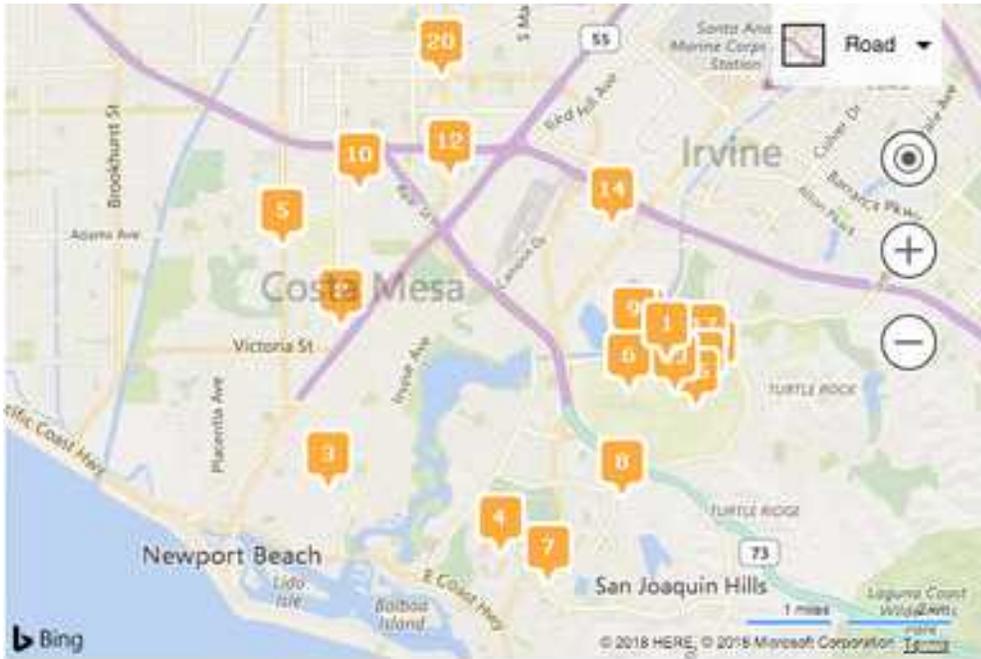


The screenshot shows the UPS My Choice website interface. At the top, there is a navigation bar with the UPS logo, the text "UPS My Choice", and links for "WELCOME", "HOW IT FITS YOUR LIFE", "FEATURES", and a "Continue" button. The main heading reads "WELCOME TO A NEW ERA IN HOME DELIVERY." Below this, a paragraph states: "UPS My Choice<sup>SM</sup> gives you a new level of flexibility and control over home deliveries. Start managing your home deliveries with **free membership**. Get more options with **Premium Membership** for just \$40 a year."

MEMBER (free)	PREMIUM MEMBER (\$40/year)
<ul style="list-style-type: none"><li>• Delivery Alerts &gt;</li><li>• Delivery Planner &gt;</li><li>• Approximate Delivery Time &gt;</li><li>• Sign for Packages Online &gt;</li><li>• Delivery Instructions &gt;</li><li>• Pickup Packages at Your Convenience &gt;</li><li>• Deliveries to Another Address \$ &gt;</li><li>• Deliveries on Another Day \$ &gt;</li><li>• Upgrade UPS SurePost<sup>®</sup> Packages to UPS Ground \$ &gt;</li><li>• Confirmed Delivery Window \$ &gt;</li></ul>	<p>All the benefits of free membership plus:</p> <ul style="list-style-type: none"><li>• Unlimited Free Deliveries to Another Address &gt;</li><li>• Unlimited Free Deliveries on Another Day &gt;</li><li>• Unlimited Free UPS SurePost<sup>®</sup> Upgrades &gt;</li><li>• Two Free Confirmed Delivery Windows \$ &gt;</li></ul>

At the bottom of the membership comparison, there are two buttons: "Continue" for the free membership and "Continue for Premium" for the \$40/year membership.





### Amazon Pickup Location Search Results

#### Results for "2018 Galaxy Dr, Newport Beach, CA 92660"

1	Amazon@Irvine 4141 Campus Drive, Irvine CA 92612 <a href="#">Map details</a>	Mon - Sun: 09:00 - 21:00	Select
2	Amazon Locker - Oltorf 2244 Fairview Rd Ste A, at 7-Eleven, Costa Mesa CA 92627-7809 <a href="#">Map details</a>	Mon - Sun: Open 24hrs	Select
3	Amazon Locker - Majesty 1673 Irvine Ave, at 7-Eleven, Costa Mesa CA 92627-3235 <a href="#">Map details</a>	Mon - Sun: Open 24hrs	Select
4	Amazon Locker - Newport 415 Newport Center Dr, at Whole Foods, Newport Beach CA 92660- 6936 <a href="#">Map details</a>	Mon - Sun: 07:00 - 22:00	Select
5	Amazon Locker - Cate 2683 Harbor Blvd, at 7-Eleven , Costa Mesa CA 92626-5227 <a href="#">Map details</a>	Mon - Sun: Open 24hrs	Select
6	Amazon Locker - The Village 1063 W Peltason Dr, at UC Irvine, Irvine CA 92617-3044 <a href="#">Map details</a>	Mon - Sun: Open 24hrs	Select



Roll over image to zoom in

## BOXLOCK: The First Smart Padlock to Protect Deliveries - Protect Packages from all Major U.S. Carriers

by BoxLock

★★★★☆ - 61 customer reviews

| 59 answered questions

Price: **\$129.00** ✓prime | FREE One-Day

Size: **BoxLock**

**BoxLock**

BoxLock + Yard Sign

YARD SIGN

Color: **Yellow**



- **SIMPLE TO USE:** Only packages addressed to you and that are actually out for delivery that day will unlock the BoxLock
- **DURABLE & SMART DESIGN:** The lock casing is a tamper-resistant zinc and the shackle is made of a hardened steel like you would find in most common padlocks
- **SECURITY AT YOUR FINGERTIPS:** Get real-time package delivery notifications, automatically collects and monitors what packages are being delivered
- Share a barcode with friends, family or any delivery service to access your box
- **BOXLOCK HOME APP** - sends you a notification as soon as it has been used so that you don't have to spend all day guessing if your package has arrived

▶ [See more product details](#)

**Neighborhood Area: 29**  
**Last Updated: 11/8/2018 6:40:13 PM**

**No. Days**  [Go To Map](#) [Update Now](#)

<b>Date/Time</b>	<b>Event No.</b>	<b>Event Type</b>	<b>Location</b>	<b>Disposition</b>
11/08/2018 4:59PM	1811080170	SUSPICIOUS VEHICLE OCCUPIED	MORNING STAR LN/POLARIS DR	CLEARED AND CHECKED CODE 4
11/08/2018 10:29AM	1811080093	VEHICLE STORAGE OR IMPOUND	LINDA LN/PRISCILLA LN	REPORT TAKEN
11/08/2018 9:12AM	1811080077	ABANDONED VEHICLE	LINDA LN/PRISCILLA LN	ABANDONED VEHICLE MARKED
11/07/2018 4:22PM	1811070171	VEHICLE STOP	COMMODORE RD/TRADEWINDS LN	CITATION ISSUED
11/07/2018 3:14PM	1811070154	ACO TELEPHONE CALL	1600 BLOCK ANTIGUA WAY	ADVISED
11/07/2018 2:34PM	1811070140	ABANDONED VEHICLE	LINDA LN/IRVINE AVE	OTHER - SEE ADDITIONAL COMMENTS
11/07/2018 1:00PM	1811070117	STRAY NOT IN CUSTODY	1600 BLOCK ANTIGUA WAY	CITATION ISSUED
11/06/2018 12:31PM	1811060107	VEHICLE STOP	DOVER DR/MARINERS DR	CITATION ISSUED
11/06/2018 4:14AM	1811060015	SUSPICIOUS PERSON	1700 BLOCK IRVINE AVE	ASSISTED
11/05/2018 4:01PM	1811050191	FIRE MISC NO PD RESPONSE	IRVINE AVE/DOVER DR	OTHER - SEE ADDITIONAL COMMENTS
11/05/2018 2:18PM	1811050165	PATROL CHECK	MORNING STAR LN/POLARIS DR	CLEARED AND CHECKED CODE 4
11/05/2018 11:27AM	1811050112	VEHICLE STOP	ANTIGUA WAY/SANTIAGO DR	ADVISED
11/05/2018 10:30AM	1811050097	SUSPICIOUS PERSON	1800 BLOCK LEEWARD LN	REPORT TAKEN
11/05/2018 9:48AM	1811050085	PATROL CHECK	1400 BLOCK WESTCLIFF DR	PATROL OR AREA CHECK
11/05/2018 5:37AM	1811050033	SUSPICIOUS VEHICLE OCCUPIED	1700 BLOCK TERRAPIN WAY	PATROL OR AREA CHECK
11/04/2018 11:07AM	1811040091	GRAND THEFT REPORT	1300 BLOCK DOVER DR	REPORT TAKEN
11/04/2018 10:47AM	1811040086	PATROL CHECK	MORNING STAR LN/POLARIS DR	CLEARED AND CHECKED CODE 4
11/04/2018 10:43AM	1811040085	PATROL CHECK	NORTH STAR LN/WHITE CLIFFS DR	CLEARED AND CHECKED CODE 4
11/04/2018 12:12AM	1811040004	PATROL CHECK	CORNWALL LN/DOVER DR	PATROL OR AREA CHECK
11/03/2018 11:09PM	1811030300	VEHICLE STOP	DOVER DR/IRVINE AVE	CITATION ISSUED
11/03/2018 1:51PM	1811030162	MISC HAZARD	IRVINE AVE/BAYCREST RD	UNABLE TO LOCATE
11/03/2018 11:28AM	1811030128	TRAFFIC COLLISION WITH INJURY	2000 BLOCK SANTIAGO DR	REPORT TAKEN
11/03/2018 9:02AM	1811030077	SKATEBOARDING DISTURBANCE	00 BLOCK WHITE CLIFFS DR	PATROL OR AREA CHECK
11/03/2018 12:10AM	1811030004	SUSPICIOUS VEHICLE OCCUPIED	GALAXY DR/RIGEL CIR	ARREST
11/02/2018 9:39AM	1811020079	INJURED ANIMAL	POLARIS DR/WHITE CLIFFS DR	PICKED UP
11/02/2018 8:57AM	1811020064	PETTY THEFT SUSP IN CUSTODY	1300 BLOCK MARINERS DR	REPORT TAKEN

[Go To Map Crime Definitions](#)  
**Neighborhood Area 29**

<b>Year</b>	<b>Arson</b>	<b>Assault</b>	<b>Burglary</b>	<b>Grand Theft Auto</b>	<b>Homicide</b>	<b>Larceny</b>	<b>Robbery</b>	<b>Rape</b>
2017	0	0	26	0	0	45	0	0
2016	0	4	34	2	0	62	0	0
2015	0	1	19	2	0	49	0	0
2014	0	0	17	4	0	37	0	1
2013	0	1	25	2	0	64	1	0
2012	0	0	17	2	0	42	0	1
2011	0	4	17	1	0	62	0	0
2010	0	3	19	1	0	58	0	0
2009	0	1	9	2	0	39	0	1
2008	0	1	11	1	0	44	0	0
2007	0	1	19	4	0	42	0	0
2006	1	1	18	2	0	48	0	0
2005	0	0	16	5	0	47	0	0
2004	0	0	15	7	0	36	1	0
2003	1	8	11	3	0	42	1	0
2002	0	8	15	3	0	40	0	0
2001	1	7	13	2	0	20	0	0
2000	0	6	17	2	0	33	0	0
1999	0	3	7	1	0	24	0	0
1998	0	5	7	6	0	32	0	0
1997	0	0	14	4	0	15	1	0
1996	1	4	14	3	0	20	1	0
1995	1	2	14	8	0	19	0	0
1994	0	4	11	3	0	25	0	0
1993	0	4	17	8	0	13	0	0
1992	0	5	23	7	0	14	0	0
1991	2	5	22	1	0	18	0	0
1990	0	3	18	1	0	29	0	1