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JUL 26 2022

LABOR RELATIONS



July 22, 2022

Mr. Ivan Butts
President
National Association of Postal Supervisors
1727 King Street, Suite 400
Alexandria, VA 22314-2753

Dear Ivan:


As a matter of general interest, the Postal Service intends to introduce, Nimbio, a new pilot program that will facilitate access to buzzer buildings and gated communities. Nimbio allows letter carriers to access buildings and gated communities directly using the MDD scanner. Preliminary testing has begun in New York City with additional deployments through 2023.

Nimbio plans to have 1,000 installations in New York City by December 2022 and 8,000 locations installed in New York City by the end of 2023,

Enclosed is a presentation providing additional information for your review.

Please contact Bruce Nicholson at extension 7773 if you have any questions concerning this matter.

Sincerely,


for James Lloyd
Director (A)
Labor Relations Policies and Programs

Enclosure

Nimbio Pilot Project USPS Presentation

New York - January 2022

Situation:

- 152 Addresses – No Access
- High FFA

Potential Solution:

- Access to buildings
- Carriers ability to enter buildings when making deliveries

Pilot a Solution:

- Technology
- Introduce Nimbio

10 Highest FFA Rate Districts
(Bottom 10)

SOUTHERN	FLORIDA 3	70,419	35,085	66.75%
CENTRAL	ILLINOIS 1	43,864	38,259	53.41%
WESTPAC	HAWAII	59,318	61,493	49.10%
WESTPAC	ALASKA	70,581	75,340	48.37%
SOUTHERN	PUERTO RICO	63,549	69,067	47.25%
ATLANTIC	NEW YORK 3	88,631	98,943	47.25%
ATLANTIC	ME-NH-VT	81,939	106,277	43.53%
WESTPAC	CO-WY	90,537	120,134	42.98%
ATLANTIC	PENNSYLVANIA 1	47,403	64,039	42.54%
ATLANTIC	NEW YORK 1	9,643	13,509	41.65%
National Total		2,043,005	3,894,789	34.45%

USPS/Nimbio Pilot Program



UNITED STATES
POSTAL SERVICE®



nimbio



Why Nimbio?

- Nimbio provides access to buzzer buildings and gated communities utilizing secure, patented, innovative software and hardware technology.
- Nimbio's technology allows letter carriers to access buildings and gated communities directly with their MDD scanner resulting in an efficient, safe, secure entry by the carrier each and every time.
- Packages that are currently delivered by Parcel Routes, Sunday Delivery, or by the regular carrier can all have digital access through the MDD. Nimbio's system provides an extra layer of security against thieves looking to access community mailboxes and packages.
- The response time from MDD open request to open is nearly instant. Time to entry with the Nimbio solution is significantly faster than utilizing a key keeper, duplicate keys, or arrow keys to gain entry.

Nimbio – USPS Pilot Initiative

- Nimbio entered into a pilot contract with USPS to install devices in buildings where delivery access is currently not available or unreliable.
- Nimbio is contacting each building to gain consent to install its device in order to provide access for letter carriers.
- Nimbio provides daily and weekly updates and progress reports on pilot implementation and test sites.
- Nimbio is providing this service to USPS and the served buildings at no cost; our business model is to pass costs to other delivery companies that adopt the service.
- Nimbio plans to have 1,000 installations in New York City by December 2022 to assist with a successful peak delivery season. We expect to have 8,000 locations installed in New York City by the end of 2023.

Current State

- Nimbio has been tasked with identifying/correcting building information and contacts, conducting address verification, verifying reason for non-delivery, and developing route identifiers prior to install.
- As of 7/18/2022, Nimbio has completed installation at 38 locations. Outreach efforts are providing continued opportunities for installations.
- One major outreach effort is with the New York City Housing Authority. A meeting will take place next week to begin an effort to install Nimbio devices at these locations allowing USPS carrier electronic access for up to 2,167 buildings, housing over 350,000 residents.
- Nimbio will continue to search out opportunities to improve on-time delivery and eliminate failed attempted deliveries of packages.

Technical Update

- Nimbio has provided USPS with a REST API that can be called to open a door/building. USPS calls the API with the identifier of the door/building to be opened. Current implementation requires an API key to be passed by USPS to the Nimbio server in order to trigger the open command.
- USPS has demonstrated the ability to successfully call the API and successfully open multiple Nimbio test entry points. Nimbio APIs have been integrated by USPS and are working on test MDDs.
- Carriers are utilizing a test MDD with Nimbio capability in addition to the production MDD. Plan is to release Nimbio capabilities to production MDD in September.
- 8 buildings successfully opened with 18 test scanners across 11 stations - 20 additional buildings will be tested this week.
- MDD shows Nimbio enabled buildings as carrier approaches building entrance. Carrier presses a button on the MDD to initiate door open.

Conclusion

- Nimbio began working with the USPS technical team in April to deploy test MDD scanners for carriers. In a compressed timeframe, the Nimbio and USPS teams, in partnership, have proven that the technology works as envisioned and increases carrier efficiency and overall safety & security in the field.
- Nimbio is:
 - rapidly responding to any engineering requirements necessary for the deployment of the Nimbio capability on all production MDDs in September.
 - accelerating the pace of installations of the Nimbio technology in the NY One metro, ahead of peak season, to increase carrier adoption.

- Q & A

USPS/Nimbio Pilot Program



Security issue



Outdated technology

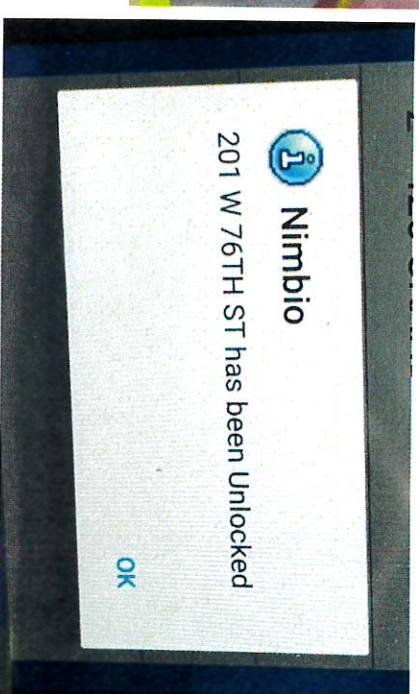
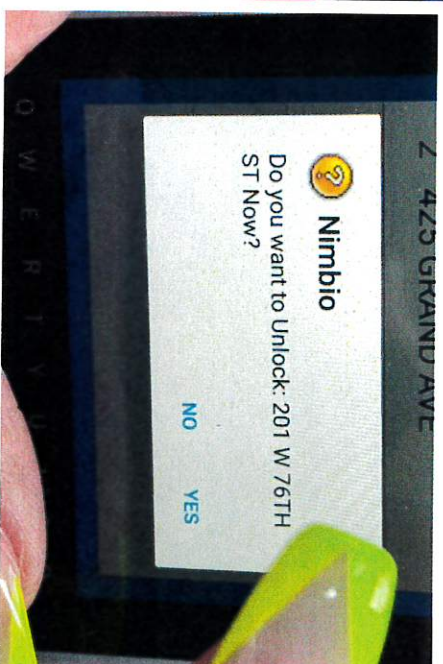
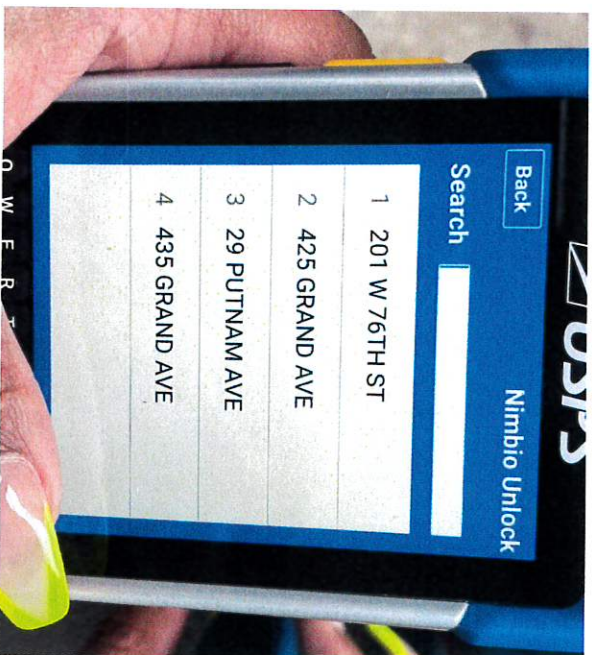


2022 and beyond

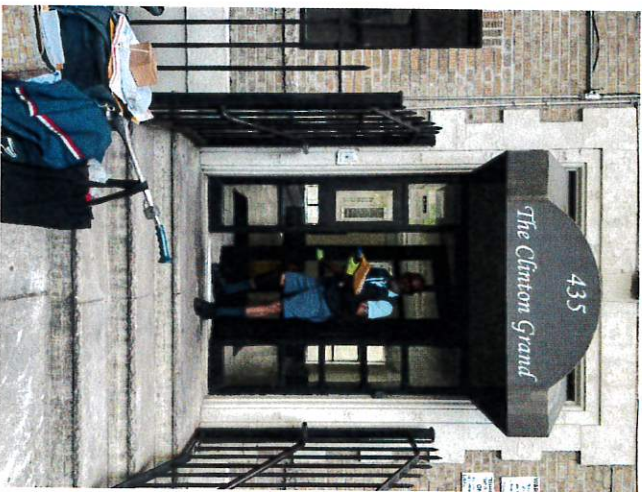


USPS/Nimbio Pilot Program

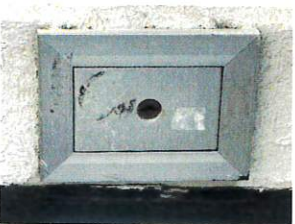
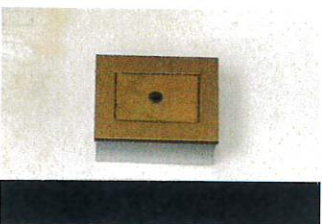
3 steps to gain entry



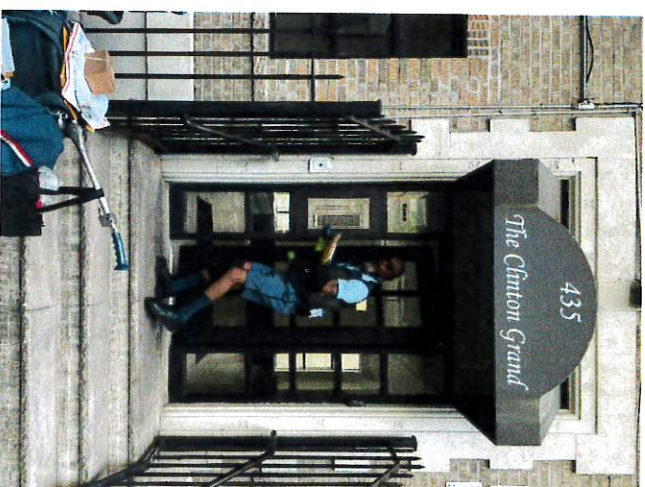
USPS/Nimbio Pilot Program



Currently 2 key keepers,
4 locks to enter building.



26.9
seconds
to enter



One button on scanner
opens BOTH doors



9.7
seconds
to enter

USPS/Nimbio Pilot Program

Currently:

- Three Scanners deployed May 16th to access 4 address. One office in Manhattan, one office in Brooklyn.
- Lessons learned:
 - Phase 1 testing moderately successful.
 - 2 Addresses in Brooklyn daily usage most days - Communication between MGT and carriers needed corrected.
 - 1 Address in Brooklyn needed separate scanner. Timetable too short for multiple carriers to share scanner- addition scanner issued.
 - 1 Address in Manhattan underlying issues with delivery – building should have been visited before deployment of scanner.
 - GPS location needs to be at entrance to building, not device location.
 - Nimbio and Engineering worked together to updated software with enhanced GPS location – testing phase being conducted.

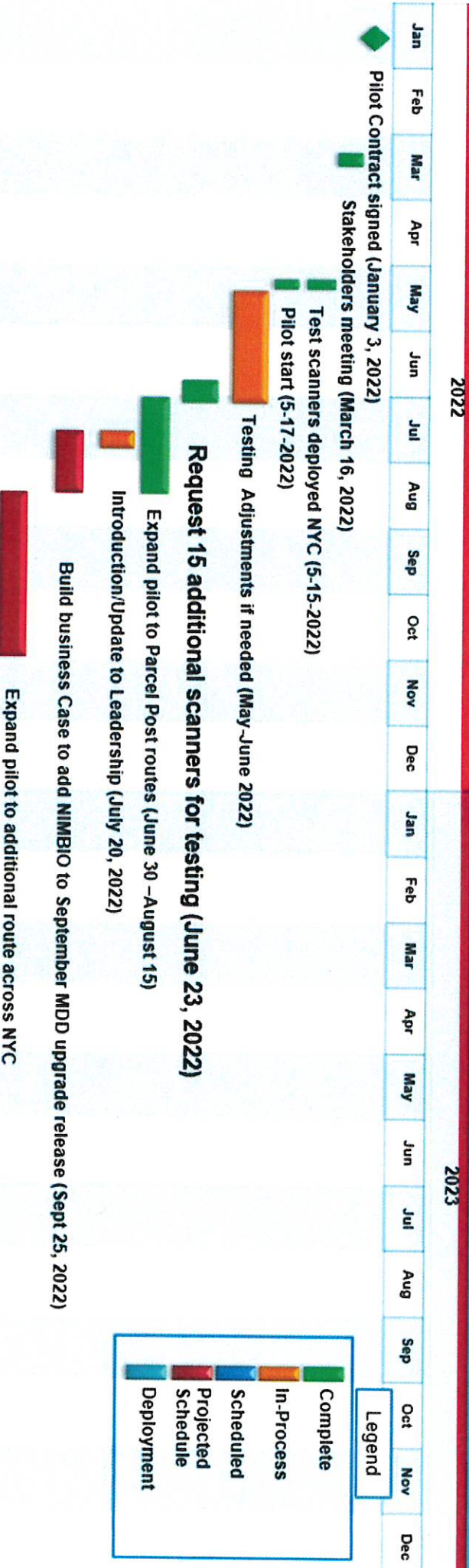
USPS/Nimbio Pilot Program

Next Steps:

- 15 additional scanners deployed July 6, 2022:
 - 9 additional City Carriers
 - 6 Parcel Post Routes
 - Updated software with enhanced GPS location July 16, 2022 – testing phase being conducted.
- Add Nimbio to MDD TR scanner. (September Release)
- Update MDD to operate similar to an SPM Work Order (GEO Fence enabled)
 - 9.7 seconds if screen appears vs 16.3 seconds if operated like a Prepaid Acceptance scan.
- Enable Geofence to allow all carriers to use Nimbio (Parcel Post driver, Aux assistance, carrier unfamiliar with route).
- Add “manual” line item on MDD scanner to allow carrier to select address.



Nimbio Keyless entry system



QUESTIONS?