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For Exercise in New York Futility, Push Button

By MICHAEL LUO

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For years, at thousands of New York City intersections, well-worn push buttons have offered harried walkers a rare promise of control over their pedestrian lives. The signs mounted above explained their purpose:

To Cross Street
Push Button
Wait for Walk Signal
Dept. of Transportation

Millions of dutiful city residents and tourists have pushed them over the years, thinking it would help speed them in their journeys. Many trusting souls might have believed they actually worked. Others, more cynical, might have suspected they were broken but pushed anyway, out of habit, or in the off chance they might bring a walk sign more quickly.

As it turns out, the cynics were right.

The city deactivated most of the pedestrian buttons long ago with the emergence of computer-controlled traffic signals, even as an unwitting public continued to push on, according to city Department of Transportation officials. More than 2,500 of the 3,250 walk buttons that still exist function essentially as mechanical placebos, city figures show. Any benefit from them is only imagined.

"I always push," said Réna, an employee at Long Island College Hospital in Cobble Hill, Brooklyn, who was too embarrassed to give her last name after she pushed a button on Atlantic Avenue and was told the truth. "The sign says push, so I push. I think it works."

Most of the buttons scattered through the city, mainly outside of Manhattan, are relics



Nancy Siesel/The New York Times
For Benjamin Miles, 4, in Brooklyn, pushing for a green light is fun. But does it work? That's another story.

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of the 1970's, before computers began tightly choreographing traffic signal patterns on major arteries. They were installed at a time when traffic was much lighter, said Michael Primeggia, deputy commissioner of traffic operations for the city's Transportation Department.

The first "semi-actuated signal," as they are called by traffic engineers, is believed to have appeared in the city in 1964, a brainstorm of the legendary traffic commissioner, Henry Barnes, the inventor of the "Barnes Dance," the traffic system that stops all vehicles in the intersection and allows pedestrians to cross in every direction at the same time. Barnes was also instrumental in completing the one-way conversion of major avenues in New York.

Typically, they were positioned at intersections of a major thoroughfare and a minor street. The major road would have a green light until someone pressed the button or a sensor in the roadway detected a car on the minor street. Then, after 90 seconds or so, the light would change.

The goal, Mr. Primeggia said, was to make traffic flow on the major artery more efficient. The buttons made sense when traffic was generally minimal on the minor street. But as traffic grew steadily, their existence became imperiled.

In 1975, about 750,000 cars entered Manhattan daily; this past holiday season, there were more than 1.1 million. The other boroughs have gone through similar growth, Mr. Primeggia said. As even minor streets became congested, the need for the semi-actuated signal largely disappeared, because they were constantly being tripped anyway by cars rolling up to the intersection. Many walk buttons also interfered with the computer-programmed coordination of lights that is now the rule in the city to facilitate traffic flow.

By the late 1980's, most of the buttons had been deactivated, their steel exteriors masking the lie within. But city officials say they do not remember ever publishing an obituary, and the white and black signs stayed up, many of them looking as new and official as ever.

"I don't always push, but I do it in the off-chance that I might save two seconds," said Joanne Downes, 63, a retired nursing professor, after pushing a broken button to cross the West Side Highway from Chelsea Piers on West 23rd Street yesterday morning. "I have guessed that they don't work, but why are they there?"

There are 750 locations where the buttons actually do work, Mr. Primeggia said. Some of them have been installed more recently, while others are holdovers from two decades ago. The working buttons are only at intersections where the walk signal will never come unless the button is pushed or a car trips the sensor, Mr. Primeggia said. He cited two examples, one at Hicks and Summitt Streets in Brooklyn and the other on Flatbush Avenue just south of the Belt Parkway exit ramp. But other working push buttons are hard to find. A random survey of more than 30 intersections in Brooklyn, Queens and Manhattan found one, at Marathon Parkway and 51st Avenue in Little Neck, Queens, that worked.

At \$300 or \$400 per intersection, it would cost about \$1 million to remove the disconnected mechanisms, Mr. Primeggia said. About 500 have been removed during the course of major reconstruction projects. But city officials over the years decided it was not worth the cost for the rest, given other needs like rebuilding roads or installing new traffic signals.

"We think of this from time to time," Mr. Primeggia said. "But there's always a better need for the money."

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And in the bigger scheme of things, he said, it doesn't really matter if people push a working button. "The public is going to get the walk signal regardless," he said. "I guess that's the point. There's no harm in having it at the locations."

Many veteran New Yorkers have long learned to ignore them. They have never made sense, said Maryam Ceesay, 24, standing at a downtown Brooklyn push-button intersection. If pedestrians could simply push them and always get a walk signal, "cars would never cross," she said. "Traffic would stop."

But Ms. Ceesay was at that moment baby-sitting 4-year-old Benjamin Miles. Despite his baby-sitter's explanations that the buttons "never work," Benjamin still pushed away at the intersection of Atlantic Avenue and Henry Street. Why?

His explanation may be the best reason for the continued existence of the buttons.

"Because," he said, "it's fun."

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Anyone who has ever repeatedly pushed the 'door close' button on an elevator and thought, 'It's like this thing doesn't actually work,' is about to feel vindicated or very, very frustrated. This weekend, Redditor 'remydesp' shared a photo on the social site of an elevator that he'd encountered, in which that 'door close' button had fallen off. But behind it wasn't a gaping hole into the control panel, with loose wires or a even a smaller button. In fact, there was nothing at all. A fake! A Redditor shared this picture of an elevator in which the 'door close' button has popped off, revealing ...

For Exercise in New York Futility, Push Button - The New York Times. Share or comment on this article: 80% of elevator 'door close' buttons don't work. New York City Transportation Department officials say most pedestrian crossing buttons at intersections were deactivated long ago but millions of dutiful walkers, either blindly trusting or cynically hopeful, continue to push them; walk buttons became obsolete at most locations with advent of computer-controlled traffic signals; more than 2,500 of the 3,250 that still exist are nonfunctioning; first walk button is believed to have appeared in city in 1964, and most had been deactivated by late 1980's; it would cost city estimated \$1 million to remove the disconnected mechanisms; photos (M).

Push Button. Wait for Walk Signal. Dept. of Transportation. Millions of dutiful city residents and tourists have pushed them over the years, thinking it would help speed them in their journeys. Question: Please Help Me If You Can! New York City Has 750 Pedestrian Walk Buttons That Work, And another 2500 That Do Not Work (based On Data From "For Exercise In New York Futility, Push Button," By Michael Luo, New York Times). If A Pedestrian Walk Button Is Randomly Selected In New York City, What Is The Probability That It Works? Is The same Probability Likely ...

If a pedestrian walk button is randomly selected in New York City, what is the probability that it works? Is the same probability likely to be a good estimate for a different city, such as Chicago?