

CASE STUDY:

# Lake Street Studios

Chicago, IL

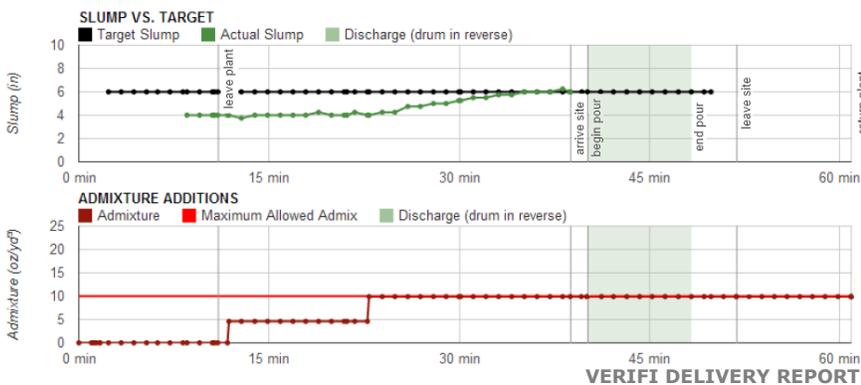


## Project Overview

Ozinga Ready Mix Concrete, Inc. supplied concrete to a 9-story apartment building on Lake Street in the West Loop section of downtown Chicago. All interior walls and slabs were concrete.

## Challenge

The contractor requested 70 cubic yards an hour. However, the project's location in congested downtown Chicago made ensuring that trucks arrived ready to pour a challenge. Variable traffic can cause trucks to arrive sporadically with different transit times, which if not properly managed can result in variations in concrete properties, such as slump.



## Solution

Ozinga's Quality Control Department used Verifi to make superplasticizer additions in transit. The concrete was batched at a slump below target. Verifi was programmed to make superplasticizer additions as the truck was travelling to adjust slump and ensure the truck was ready to discharge upon arrival. This resulted in a 66% improvement in discharge slump compared to ordered slump and a 10% reduction in the time the trucks spent on site (1.5 minutes).

Volume: 9 pours of 200 yd<sup>3</sup>

Slump vs. Target at Arrival: + 0.02 in. average

### CREDITS

- Owner:** Lake Street Studios Limited Partnership
- Architect & Engineer:** Harley Ellis Deveraux
- General Contractor:** Linn-Mathes Inc.
- Concrete Contractor:** II in One Contractors, Inc.
- Testing Agency:** Flood Testing Laboratories, Inc.
- Concrete Supplier:** Ozinga RMC Inc., Chicago
- Admixture Supplier:** Grace Construction Products

**Verifi helps ready mix producers measure, manage, and record concrete quality in the truck from batching to discharge, resulting in consistent quality concrete for contractors, engineers, and owners.**

“The project had a very limited staging area and we needed concrete to be consistent to prevent delays and to get trucks in and out of the site quickly. Having concrete show up with the right slump was a huge plus to minimize the number of times the pump had to stop. We found that there were fewer delays without concrete at the pump when Verifi was used and that Ozinga was able to perfectly coordinate the delivery schedule. We experienced 25 to 30 minutes less time over each of the 200 yd<sup>3</sup> pours when Verifi was used. I would like to use Verifi on every pour.”

Robert J. McGee Jr.  
President/Chief Operations Manager  
II in One Contractors, Inc.



“Verifi has enabled the quality control department to deliver a more consistent product and reduce in yard and on site time. This has allowed us to more consistently service our customers and effectively meet our customers' schedule.”

Scott Kelly, Quality Control  
Ozinga Ready Mix Concrete, Inc.