POLYCAST ® 500 Provides a Unique Drainage Solution

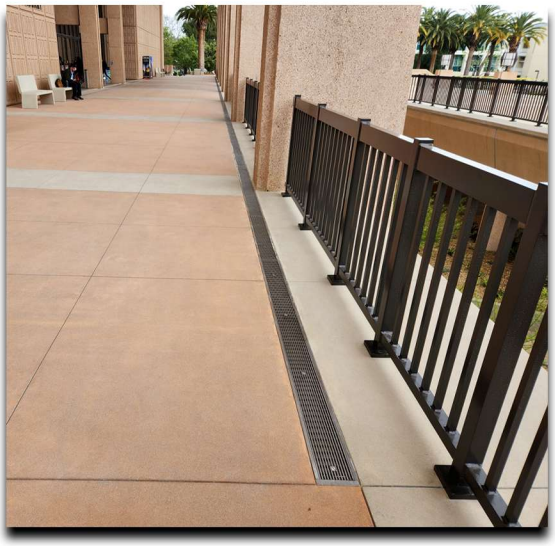
Elevated Walkway Installation



Problem

An elevated pedestrian walkway at California State University, Northridge (CSUN) was experiencing standing water, creating an ongoing drainage concern in an area heavily used by students, faculty, staff, and visitors. Because the walkway serves as a pedestrian thoroughfare, surface drainage needed to effectively manage water without creating additional obstacles or compromising accessibility.

The project presented a unique installation consideration. A drainage system was needed that could provide effective surface water collection while accommodating the relatively shallow construction depth of the existing elevated slab.



Solution

To improve surface water management, more than 300 linear feet of POLYCAST® 500 trench drain was installed along the walkway. With a 2.5-inch overall depth, the low-profile polymer concrete drain channel provided a continuous drainage channel while allowing the system to be incorporated into the existing surface over a custom waterproofing system, drainage mat, and brackets.

For this project, the system was paired with stainless steel wedge wire grating designed to be heel-proof and ADA compliant, an important consideration for a heavily trafficked pedestrian application. The stainless steel construction also provides a durable, corrosion-resistant grate option for an exterior installation, while also providing an open drainage surface while maintaining a streamlined appearance.

The completed POLYCAST® 500 installation created a continuous and practical drainage solution along the elevated walkway, helping to convey and direct water away from pedestrian areas, while reducing the risk of standing-water conditions that previously created problems for the CSUN campus.

https://trenchdrain.com/pages/manufacturers-polycast/500-series

Technical Data

Product: POLYCAST® 500 with stainless steel wedge wire grating

Process: Concrete installation

Materials: Neutral polymer concrete drain system

Application: Commercial elevated walkway

Sizes: 6” wide grate x 48” long channels

Manufactured By: Hubbell POLYCAST®

This case study highlights the use of TDS products. Installation, workmanship, and project-specific design are the responsibility of the installing contractor and appropriate project professionals.

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