

## Florida Department of Transportation

Jacksonville, FL

### Slip Resistant Galvanized Steel Expansion Joints Create a Permanent Solution for FDOT's Walkway

Company: FDOT

Location: Jacksonville, FL

Industry: Infrastructure

Website: [www.dot.state.fl.us](http://www.dot.state.fl.us)

*The Florida Department of Transportation (FDOT) is a decentralized agency that bases their word on integrity, respect, and commitment. The department's mission is to provide a safe transportation system that ensures the mobility of people and goods, enhances economic prosperity and preserves the quality of their environment and communities. FDOT facilities include bridges, airports, interstates, rail, rest areas, seaports, service plazas, and welcome centers throughout the state. Since 1969, FDOT has overseen the establishment, maintenance, and regulation of public transportation in the state of Florida's seven districts.*

#### **The Situation:**

A leading General Contracting, Civil Construction, Construction Management and Design Build Contracting company was directed by the Florida Department of Transportation (FDOT) via the CEI Engineer to design, manufacture and install expansion joint plates that met the criteria specified per Standard Index 21110. The plate was not required in the original plan, nor was it required by the ADA guideline. FDOT requested the slip resistant plate as an added safety measure.



#### **SlipNOT® Project Summary**

- 1/4" x 15" x 108" A572-50 Grade 2 steel plates
- SlipNOT® applied their slip resistant steel surface to steel plates which were cut to specific dimensions. The coating instantly created a safer surface for vehicular and pedestrian traffic.

### ***The Solution:***

An engineering firm designed the plates at the general contractor's request. The plates were designed according to specifications and quotes were requested from various manufacturers. **SlipNOT®** steel plate was chosen for the project and shop drawings were produced and approved by FDOT. **SlipNOT®** provided 1/4" x 15" x 108" A572-50 steel plates for the project. By forming the plates to exact drawings, the general contractor and FDOT could easily install the finished product without having to worry about further fabrication in the field.

Since the plates were going to be used for expansion joints, the steel would have to be galvanized or painted to protect against rust and corrosion. Ultimately, FDOT decided to galvanize the expansion joints. **SlipNOT®** galvanized products are durable, rust and corrosion resistant and have an unmatched surface hardness.

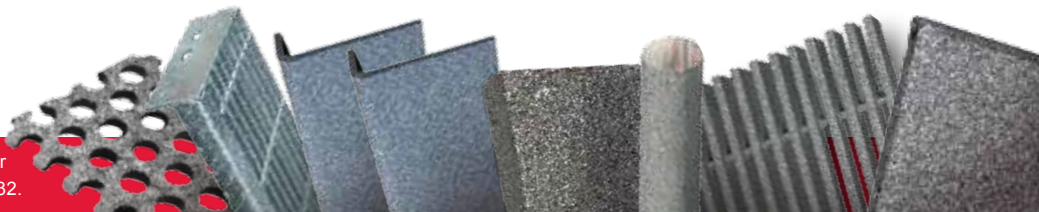
### ***The Impact:***

**SlipNOT®** expansion joints provide a permanent slip resistant solution for FDOT and other DOT's across the country for use in their road projects. Each **SlipNOT®** product has an unparalleled file hard surface that retains traction while completely submerged in oil, water or other fluids. Galvanized expansion joints coated with the **SlipNOT®** coating instantly create a safe surface for vehicular and pedestrian traffic that can withstand the elements subjected to it.



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**SlipNOT®** Metal Safety Flooring products may be covered by one or more of the following patents; 5,711,119, 6,839,951 and 6,863,932.



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