

## Florida Department of Transportation

*Tallahassee, FL*

### Galvanized Steel Plate Installed as Expansion Joint Cover for FDOT

Company: Florida Department of Transportation

Location: Tallahassee, 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:**

FDOT contacted a worldwide designer, supplier, and manufacturer of engineered products for an application they needed completed. As a long time client of the supplier, FDOT asked the company to find a slip resistant product that would work for their needs. FDOT needed a non slip and corrosion resistant surface to use on expansion joint covers.



#### **SlipNOT® Project Summary**

- 1/4" x 15" x 97-1/2" Grade 2 galvanized steel plates with 7/16" countersunk holes
- FDOT installed **SlipNOT®**'s non slip galvanized steel plates as expansion joint covers on a bridge sidewalk.

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

FDOT's supplier contacted **SlipNOT®** Metal Safety Flooring for a non slip steel expansion plate. **SlipNOT®** provided 1/4" x 15" x 97 1/2" Grade 2 steel plates with 7/16" countersunk holes. Steel expansion plates can become extremely slippery under wet conditions, which is why a Grade 2 (Medium) **SlipNOT®** coating was applied. This provided maximum traction and durability. The steel expansion joints were also supplied with a hot dipped galvanized finish which was a preventative measure to eliminate corrosion and deterioration.

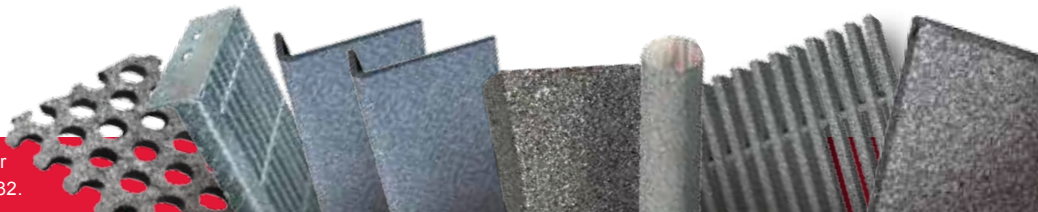
A steel expansion joint is a metal top plate used to bridge between two concrete slabs. Throughout hot and cold weather, concrete may expand and contract, creating cracks and failure. The steel expansion plate is anchored to one slab of concrete allowing for the steel expansion plate to move with the concrete.

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

**SlipNOT®**'s galvanized steel expansion plates were custom fabricated to meet the needs of the Florida Department of Transportation, providing a slip resistant walking surface.

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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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