

StreetSafety

News

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Safer Streets in Minnesota With Snowplow-Proof Fixture

The City of East Grand Forks, MN wanted in-pavement lighting to enhance crosswalk safety. Was there a safety system that could compete with extreme winter weather and snowplows?

Pedestrian safety becomes increasingly difficult during winter months. Drivers need earlier warning as braking distances increase on icy, wet roads. In-pavement lighting equipment can be installed to keep pedestrians safe. But for cities with severe winter weather, finding safety equipment durable enough to compete with sub-zero temperatures and snowplows can be a challenge.

When the City of East Grand Forks, MN identified an unsafe crosswalk, they decid-

ed to install safety lighting. They turned to Floan-Sanders Engineering for a recommendation. Floan-Sanders Engineer, Jarda Solc, researched various solutions. He discovered Traffic Safety Corporation (TSC) products durable enough to compete with the Midwest's winter weather, "In this area, with anything that goes in-pavement, you have to consider the freeze-thaw cycle. It has to be designed so you don't have to make repairs every spring. I saw online TSC had some projects up in Alaska, in similar

Next Generation Crosswalk Controller

Available in both Solar and AC models. Featuring enhanced flash patterns, auto-sequencing of flash patterns, and onsite customization of operation.

Snowplow Proof Fixtures

The TS600 fixtures feature a fully-flush profile, self-cleaning lens design, and uni and bi-directional configuration option.

MUTCD Compliant LED Flashing Signs

Our low power LED signs are ideal for enhancing the safety of in-pavement systems, and are available in both pedestrian and school crossing models.

5 Year System Warranty

The industry's most reliable and durable in-pavement warning light system is backed by the industry's longest system warranty.



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climates, and thought it might be feasible here.”

TSC systems using the TS600 light fixture are ideal for snowplow areas. Its fully-flush profile allows snowplow blades to pass over without damage.

“The Traffic Safety people we had on site were very helpful.”

Like every TSC fixture, the TS600 is designed to withstand sub-zero temperatures and enormous pressures exerted underground during the yearly freeze-thaw cycle. The system was ordered and it was soon time for installation.

Charles Cunningham, TSC Nation-

al Sales Manager and Ben Gloyd were present during installation to lend their expertise and assistance. Tom Stenseth, Project Inspector of Floan-Sanders Engineering, appreciated the level of support TSC provided during the install, “The Traffic Safety people we had on site were very helpful. They gave a good presentation and showed a demonstration of the system. It was helpful to see it.”

Increasing driver awareness of pedestrians during winter months is especially important in regions with intense winter weather. TS600 fixtures from TSC are snowplow-proof and highly durable. These features make them the ideal choice for bringing life-saving in-pavement warning lights to snowy areas. The citizens of East Grand Forks, MN enjoy the added safety provided by the system throughout each year.

TS600 Features

- Corrosion resistant anodized aluminum body provides resistance to traffic wear and weathering.
- Fully-flush profile avoids damage that may be caused by snowplows. High static load rating (44,000 lb.) reduces likelihood of damage from heavy vehicles.
- Bi-directional design improves visibility of pedestrians in crosswalk.
- High-bright LEDs are 250 times brighter than the Caltrans minimum standard making them clearly visible in daytime and under the worst weather conditions.
- High-bright LEDs consume only 4.2 watts per cartridge (8.4 watts per fixture) making them ideal for energy efficient solar power applications.



Bi-directional design improves pedestrian visibility.



Pedestrians coming from the nearby golf course enjoy the convenient activation offered by Ped-X-Pads.

System Summary

Site:	Valley Golf Course
Location:	Valley Country Club, 2407 River Rd NW East Grand Forks, MN 56721
Lanes:	2
Qty. Fixtures:	6
Type:	TS600 Bi-directional
Other:	Flashing Signs
Activation:	Pushbutton, Ped-X-Pad
Power:	AC