

# MODULAR ELEVATED PATHWAY

INNOVATIVE SAFETY AND ACCESSIBILITY SOLUTION



**INNOVATIVE**



**WIDELY  
BENEFICIAL**



**COST  
EFFECTIVE**



**DURABLE**



**MARKET  
READY**

## WHAT IS IT?

The **FIRST OF ITS KIND**, the SpanPath® modular elevated pathway establishes a **NEW CATEGORY** of traffic safety device for the roadway's most vulnerable users (pedestrians, bicyclists, and those using micro-mobility devices). SpanPath offers an **INNOVATIVE** method for maintaining accessible routes by eliminating the need for closures, detours, or diversions associated with construction, maintenance, or utility activities affecting sidewalks or pathways. SpanPath is a **GAMECHANGER**, providing safety and economic benefits to all road users, transportation agencies, contractors, and businesses worldwide.

## THE PROBLEMS

With limited space within the Right-of-Way, transportation agencies have faced many challenges with implementing solutions **COMPLIANT WITH ACCESSIBILITY AND MOBILITY GUIDELINES**, sometimes having to resort to shifting vulnerable users into the roadway and closing a vehicular traffic lane or shoulder. Approvals for Temporary Traffic Control Plans and detours are **COSTLY** and take time to obtain. The required signage for these disruptions is **DISTRACTING** and confusing to all road users. Disruptions in the pedestrian network **RESTRICT ACCESS** to desired destinations and businesses which increases the occurrences of pedestrian roadway crossings, leads to improper pedestrian movements, and increases **PEDESTRIAN EXPOSURE** to vehicular traffic. These methods are not truly in compliance with the spirit of national accessibility guidelines, especially PROWAG (Public Right-of-Way Accessibility Guidelines), but have been the industry's best available practices until now.

### PEDESTRIAN FATALITIES ON THE RISE

2010: 4,302

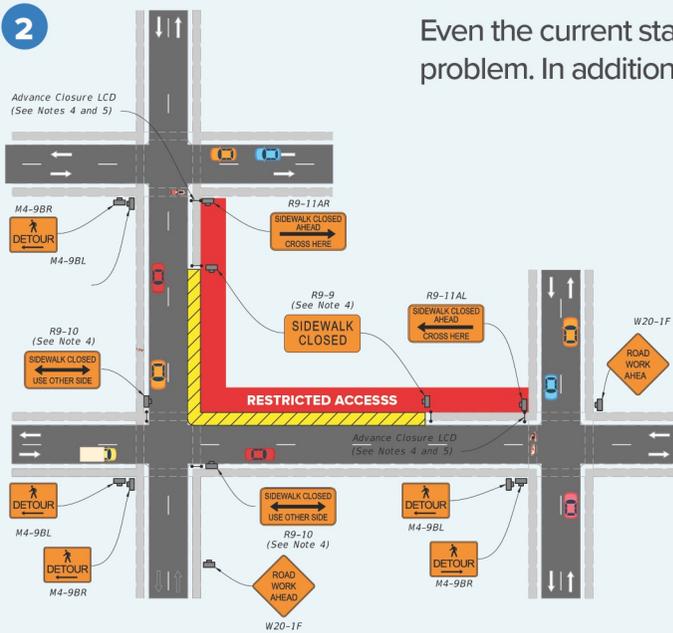
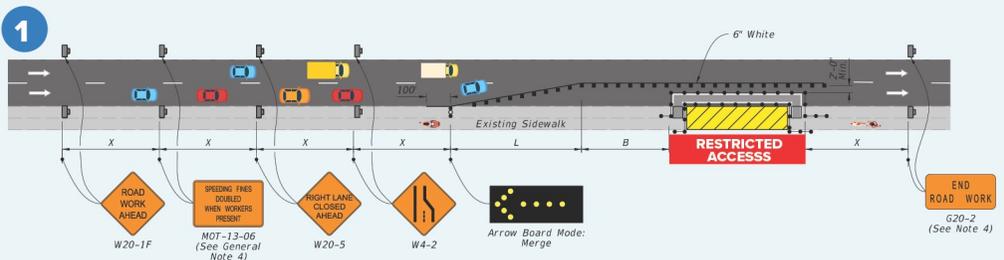
77% INCREASE

2021: 7,624

# EXAMPLE PROBLEMS



**LEFT:** Barricades and detours sever the pedestrian network which blocks access to destinations and businesses. **RIGHT:** Elementary School children ride bikes into road around barricade and car hard-brakes to avoid impact.



Even the current standards are part of the problem. In addition to increased sign clutter:

- 1 Closes a traffic lane which affects safety and mobility of vehicular traffic, places pedestrians in a more vulnerable position, and still prevents access to destinations and businesses along the work area.
- 2 Sidewalk network is not always available for detour. Detour takes pedestrians out of their way and still prevents access to destinations and businesses along the work area.

## THE SOLUTION

**S**panPath has set a **NEW INDUSTRY STANDARD** by allowing agencies to maintain the original alignment and intended **FUNCTIONALITY** of the pedestrian network. The SpanPath modular system may be placed in segments directly over an existing pathway between construction, maintenance, or utility activities to ensure the pathway of any desired length remains **ACCESSIBLE** and **IN SERVICE**. The system can be deployed in a matter of minutes with as little as two crew members and secured with tamper-resistant anchors.



The SpanPath system spans over the pathway to protect the contractors' work and provide an accessible pathway directly above for pedestrians.

Each segment is comprised of special joints which allow the system to traverse anomalies in ground conditions and changes in the vertical and horizontal geometry of the pathway while maintaining accessibility.

SpanPath **IMPROVES SAFETY** by essentially eliminating the work zone, encouraging proper use of the facilities and channelizing the users to the desired destinations while protecting the progress of the contractor's work within the chambers of the system.

## MARKET READY

**P**ositioned on the Florida Department of Transportation's Approved Products List and partnered with fabrication industry giants to ensure inventory **DEMANDS ARE SCALABLE AND ACHIEVABLE**, SpanPath stands ready to provide this most innovative solution to entities nationwide. Together, we can reduce or eliminate sidewalk and pathway closures and detours for our most vulnerable users!

# DURABILITY

The SpanPath is a **REUSABLE** and **RESILIENT** system designed per AASHTO standards and constructed from aluminum for durability to handle the rigors of construction activities and to maintain the integrity of the slip-resistant features.

# MULTIPLE USES AND BENEFITS

- ▶ Provide uninterrupted access to desired destinations and businesses along the work-zone.
- ▶ Eliminates the need for detour signage and barricades.
- ▶ Ability to immediately make damaged paths safer and accessible.
- ▶ Quickly eliminate sidewalk gaps.
- ▶ Fulfill pedestrian desire lines until maintenance or construction can be scheduled.
- ▶ Contractors can provide safe routes for their workers within work areas having otherwise unsuitable ground conditions.
- ▶ Encapsulated by the SpanPath system, the contractor's work progress (e.g., formwork, utilities, wet concrete) will be protected from vandalism and theft.

# NEEDS SUPPORTED

- ▶ Resiliency and Emergency Response by ensuring pathway will remain in-service during and after storm events.
- ▶ Supports equity in transportation.
- ▶ Supports state departments of transportation Strategic Highway Safety.
- ▶ Provides innovative solutions for Federal Highway Administration (FHWA) programs such as:
  - » Work Zone Management,
  - » Bicycle and Pedestrian
  - » Safe Transportation for Every Pedestrian
  - » Safe Routes to School
  - » Captures the spirit of FHWA's Every Day Counts



SpanPath provides an accessible pathway without a detour for the most vulnerable users.



## ABOUT US



## GEVIN McDANIEL, P.E.



**EDUCATION:** B.S. IN CIVIL ENGINEERING,  
FLORIDA STATE UNIVERSITY

**G**evin has over 25 years of design experience in structural and civil engineering. His career has been equally balanced between consulting and state government.

From 1998 to 2009, he served as a design consultant to many state departments of transportation and local agencies.

In 2009, he joined the Florida Department of Transportation (FDOT) where he enjoyed his 13-year career as Senior Structural Engineer, State Standard Plans Engineer, and Roadway Design Criteria Administrator working with the great team at FDOT to implement numerous improvements to the Standard Plans, Standard Specifications, Structures Manual, and FDOT Design Manual.

He left the enjoyment of his position at FDOT in 2022 to focus on bringing his patented invention, SpanPath, to the marketplace to help save lives by improving accessibility, mobility, and safety for the most vulnerable road users.

## CONTACT US



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