

Safety Edge Maker™ (SEM) Device to Address Pavement Shoulder Edge Drop-Off Dangers – Pavement shoulder edge drop-offs have been recognized as roadway safety hazards for several decades. The severity of the problem has attracted increased awareness in recent years as evidenced by a number of substantive studies by TRB, AAA and UTTC. These studies showed that shoulder edge drop-off caused crashes were not limited to road construction sites, but occur frequently on rural and secondary roads where shoulders are non-existent or worn away. Based on the patented technology developed for its Notched Wedge Joint Maker™, TransTech Systems is adapting the technology in an innovative way to produce an entirely new device to solve the shoulder edge drop-off problem. The SEM will be used for either road resurfacing or new construction and will help save lives and prevent lawsuits. TransTech currently has prototypes of the device that are being used in the field by Georgia DOT, NYS DOT and the FHWA. Initial testing has shown great promise for the technology and it is envisioned that this relatively inexpensive device, when it is in production, will be considered a necessary addition to all contractors and DOT's road construction and repaving efforts.