

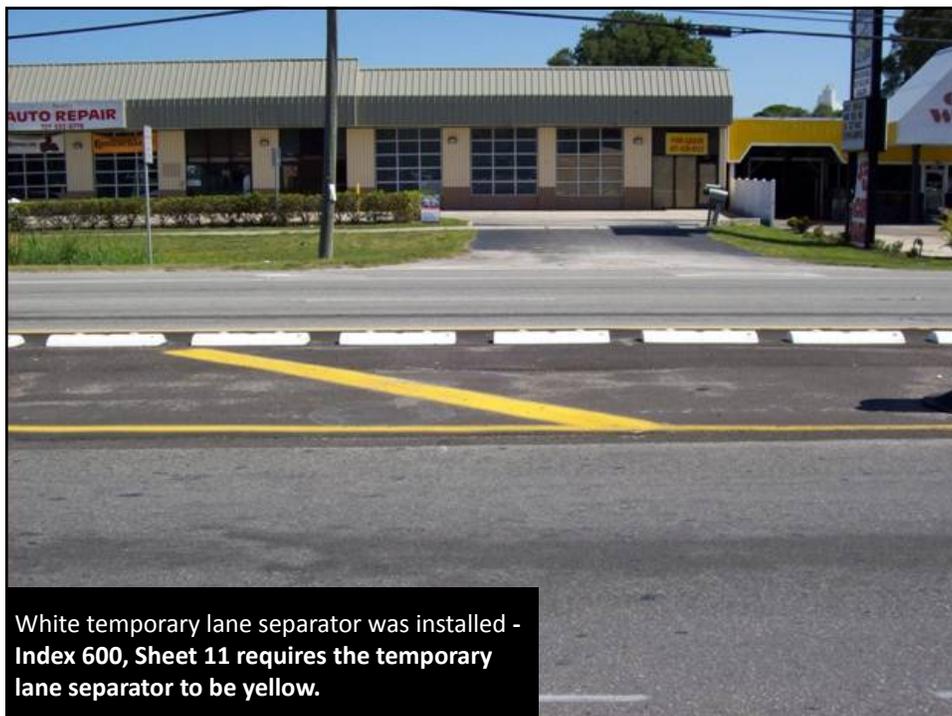


Work Zone Awareness Session



2013 Design Expo
•By: Ezzeldin Benghuzzi and Chris Lewis

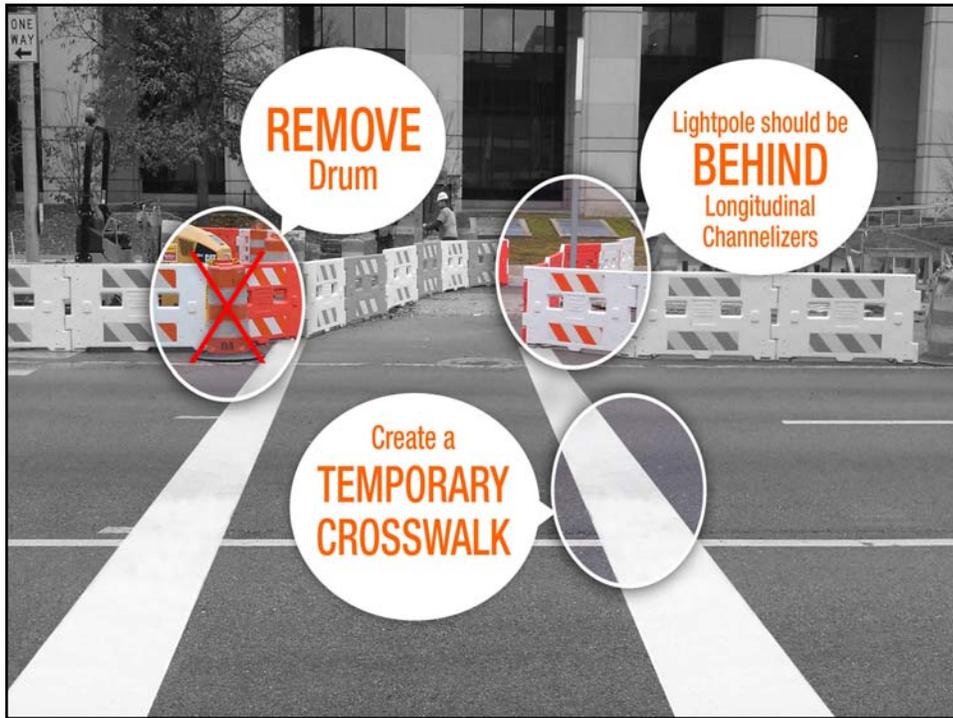


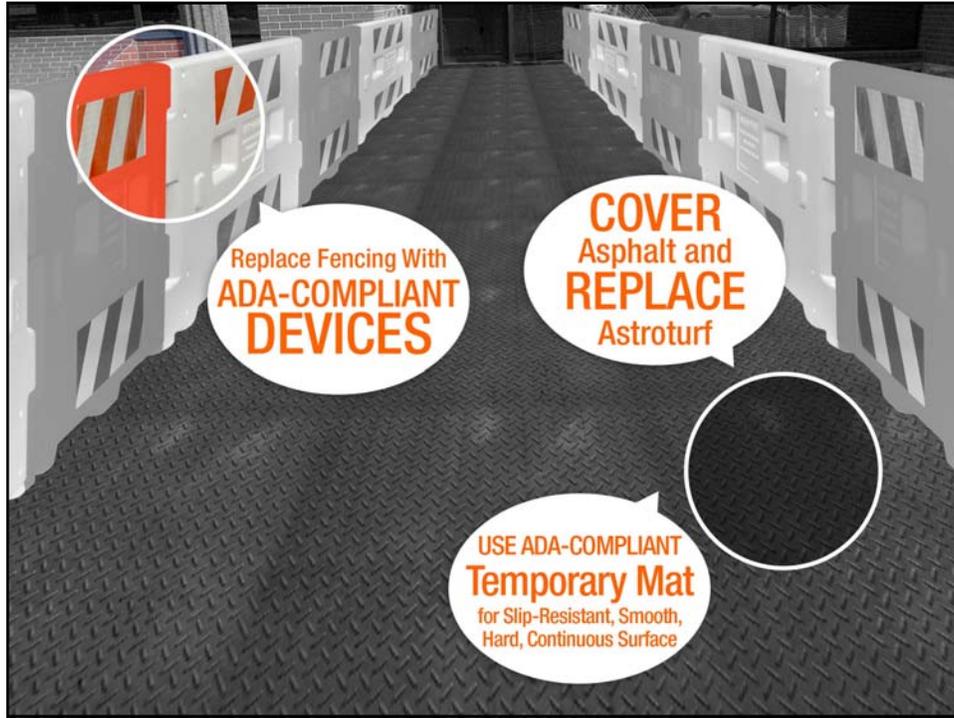










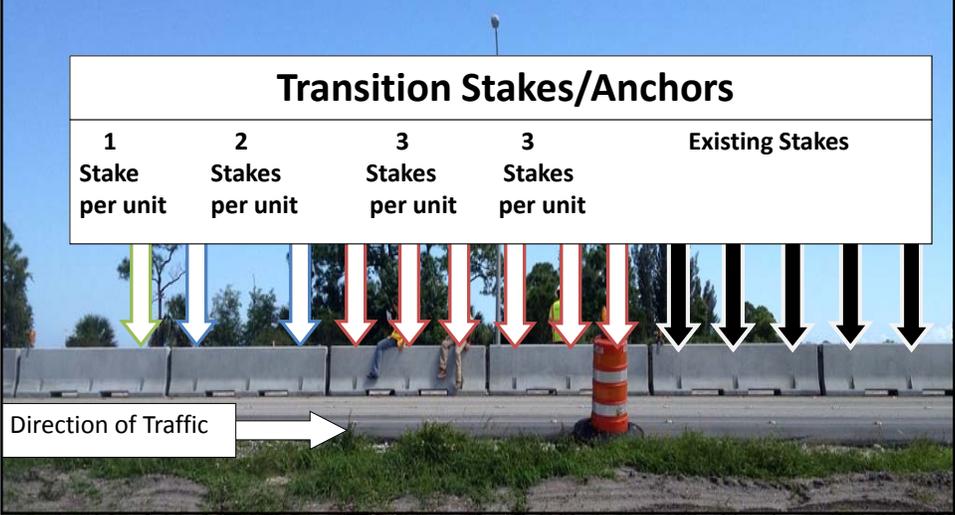








Barrier wall was not transitioned from freestanding to staked – Arrows below represent the transition pattern - **Index 414, Sheet 8** requires transition units anchoring pattern of **1, 2, 3, 3, staked/anchored**.



Nonstandard connection to bridge railing - **Index 414, Sheet 9** requires transition splice to connect Type K to bridge railing.





Alternate design was done by Pennsylvania DOT



Deflection space behind low profile barrier is not free and clear of material [Index 412, Sheet 2 requires 9 inches deflection space]



