

***Helical Torque Anchors:  
Temporary Shoring to Stabilize Adjacent Road During Construction  
Aurora, Colorado***



**PROJECT SUMMARY**

<b><i>Project</i></b>	Temporary Excavation Shoring, Aurora, Colorado
<b><i>Scope of Repair:</i></b>	Place 65 Model 350 ECP Steel Piers at average depth of 30 feet
<b><i>Products Used:</i></b>	TAF-288 Torque Anchor™ Piles – 2-7/8” Dia. Tube TAF-150 Torque Anchor™ Tiebacks – 1-1/2” Sq. Bar
<b><i>Engineer:</i></b>	CTL Thompson, Inc., Denver, Colorado

ECP Model TAF-288 Tubular Torque Anchors™ were installed first as vertical piles with spacing of ten feet on center along the edge of the proposed excavation. The piles were used to support Vulcraft CSV Steel Decking. As construction progressed, two rows of Model TAF-150 ECP Square Bar Tiebacks were installed with center to center spacing of ten feet. This spacing coincided with the tubular piles. Horizontal support for the steel decking was accomplished by installing C12x30 steel channel beams as a waler system for the two rows of tieback anchors.



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