



# Case History

**Cutting Edge  
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**Problem:**

A new structure and underground parking garage was to be constructed at the Carmel City Center Project in Carmel, Indiana. The excavation for the garage would undermine both Rangeline Road to the east, and City Center Drive Street to the north.

**Solution:**

A soldier pile and wood lagging system was chosen as an excavation support method. Helitech installed 32 grouted tendon tiebacks through the timbers along with a whaler system to transfer the loads across the piling.

**Results:**

The grouted tendon tie backs provided an economical and efficient solution for the project. The entire project was completed in 5 working days.

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