



Ground Improvement and Specialty Piling Contractors

# Project Summary

JUNIOR LIFEGUARD BUILDING  
Newport Beach, California

*The Premier Design-Build Geotechnical Contractor™*

## Rapid Impact Compaction (RIC)



### Project Description:

Advanced Geosolutions Inc. (AGI) performed Rapid Impact Compaction (RIC) to improve the ground conditions at the Junior Lifeguard Building project in Newport Beach, California. The RIC densified the existing soils, to increase bearing capacity, and reduce settlements to acceptable limits. GEOCON West Inc., performed post-improvement Standard Penetration Tests (SPT) to verify that the soil improvement achieved a minimum value of 15 blows per foot at each tested location. AGI successfully improved the fill soils and achieved the minimum SPT values required.

### Geotechnical Conditions:

- ❖ Existing Fill

### Application:

- ❖ Densification of existing fills
- ❖ Increased bearing capacity
- ❖ Reduced settlement of structures supported on shallow foundations

### Design-Build Contractor:

Advanced Geosolutions Inc (AGI)

### Owner:

City of Newport Beach

### General Contractor:

TELACU

### Geotechnical Engineer:

Geocon West, Inc.