

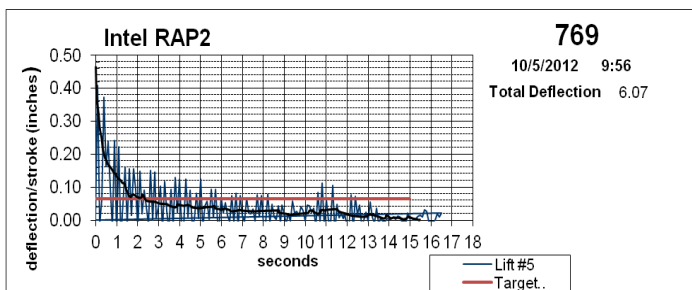
PROJECT DESCRIPTION

PROJECT: Intel RAP2 Parking Structure

LOCATION: Ronler Acres Campus, Hillsboro, OR

DESIGN TEAM: *Architect:* LRS Architects : Portland, OR
Structural Engineer: Culp & Tanner Structural Engineers : Chico, CA
Geotechnical Engineer: GRI : Beaverton, OR

CONTRACTOR: *Andersen Construction Company* : Portland, OR
Bomel Construction Company : Anaheim Hills, CA



*"Your workers are doing a great job implementing safety on the job!
 The safety awareness level on this project is outstanding."
 Darren Toy, Field Safety Coordinator, Andersen Construction Co. Inc.*

DESCRIPTION:

- 5-story concrete Parking Structure measuring 528'x376' in plan for 2500 cars
- 250 to 1000 kip column loads
- Crushed/fragmental rock fill, underlain by SILT fill, underlain by Willamette SILT Formation
- Groundwater at 15'-20' during dry season; higher during wet season
- Allowable bearing pressure on pier-reinforced soil = **7000** psf

The project consisted of a fast-tacked Design/Build package. Site work was subject to *stringent* safety protocol, a tight time schedule and wet weather construction. GTFC-W provided complete design of the aggregate pier system and then constructed almost 800 aggregate piers to support the structure.

The GTFC-W proprietary Quality Control instrumentation was used during pier ramming to confirm that the modulus achieved on the aggregate lifts as they were constructed met or exceeded the design modulus. Pier construction achieved the GTFC-W goal of essentially Six Sigma Quality Control.

REFERENCES:

Mike Horton, Project Manager Andersen Construction Company (503)-283-6712	Scott Schlecter, P.E., G.E., Associate GRI (503) 641-3478
Andy McNulty, S.E. Culp & Tanner Structural Engineers (530) 895-3518	