

PROJECT DESCRIPTION

PROJECT: 3-Story Parking Structure
LOCATION: NE 9th Street and NE Kelly Avenue, Gresham, Oregon
OWNER: Tri-County Metropolitan Transportation District (Tri-Met)
CONTRACTOR: JE Dunn Construction Company



DESCRIPTION:

- 3-Story, reinforced concrete (cast-in-place)
- Ductile frame
- Column loads of 96 to 542 kips

Initial plans were to support the structure on either 20' piles or conventional spread footings proportioned to impose bearing pressures of about 2500 psf. The Geopier® System was selected as an alternative, and resulted in a design bearing pressure of 6000 psf for spread footings.

224 Rammed Aggregate Pier® (RAP) elements 5' in length were installed in less than two working weeks on-site. A full-scale load test was conducted to confirm design.

REFERENCE:

Mr. Ronald Schlegel
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