



Rapid Impact Compaction

Application: Densify fill for increased pile lateral capacity for Radiance at Mission Bay with Treadwell & Rollo and Bosa Development in January 2006

Dynamic
Compaction



WHAT IS RIC?

RIC is an **improvement** on the process of Deep Dynamic Compaction (DDC). The **RIC process** provides **controlled impact compaction** of the earth using a 7.7 ton weight which is dropped 3.5 feet onto a 5 foot diameter tamper capable of impacting at 40 impact blows per minute. The impact force densifies soil and fill to depths of 24 feet increasing the soil strength and stiffness.



Serving the San Francisco Bay Area, Sacramento Valley, San Joaquin Valley to Bakersfield and all of Northern California.

Get Info at (530) 621-4867 or www.farrellinc.com



Dynamic
Compaction



RIC has the Power to Perform with High Impact!

RIC Applications

LIQUEFACTION MITIGATION

Densify sand soil to depths of 24 feet.
Increase shear modulus of soil and fill.

FOUNDATION SUPPORT

Increase bearing capacity & reduce settlement of fill and loose soil.
Increase soil stiffness for higher lateral capacity of piles.

FLOOR SLAB SUPPORT

Stiffen soil and fill to create uniform bearing platform for slab-on-grade.

FILL AND WASTE STABILIZATION

Improve strength of loose fills and reduce solid waste volume.

Rest Assured with:

CONTROLLED COMPACTION

Measure and record every impact hit deflection.

SAFETY

With impact always in contact with the ground, safety increases by eliminating flying objects: Lower Project Risk!

QUALITY ASSURANCE

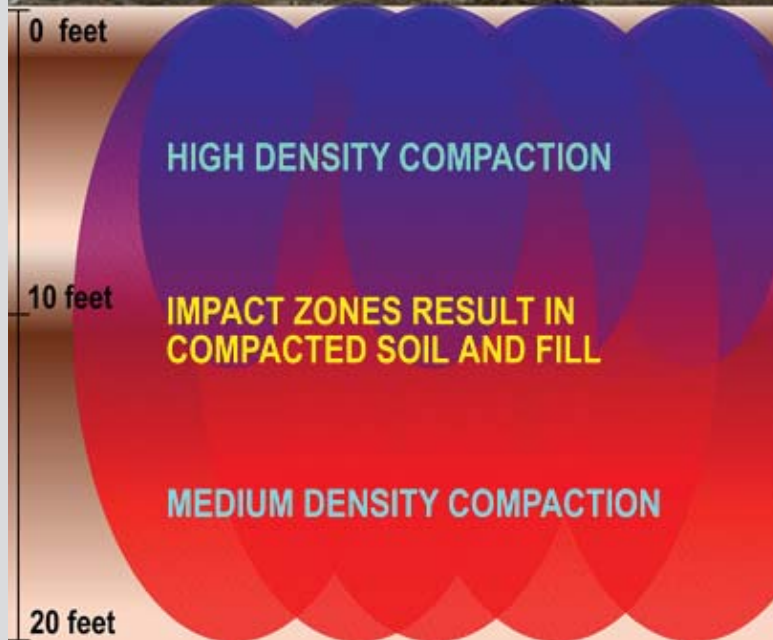
On-board data module print-out for each compaction point: Uniform Performance!

SPEED plus COST SAVINGS

Specialized equipment & monitoring allows treatment to occur at high production rates: Save Time and Money!

Impactor specifications

Carrier: CAT 345
Impact Weight: 7.7 ton
Drop height: 3.5 feet
Blows/minute: 40
Impact Energy: 54,000 ft-lbs per blow



With Rapid Impact Compaction you can rest assured that your site will provide a solid footing to build on. Our engineers are ready to optimize your next project!



MAIN OFFICE

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We mobilize to Southern California too!