CONCRETE RECYCLING / DEMOLITION
with
RESONANT MACHINES
Why it’s worth it?

Smaller Particles / Speed = Less Overall Job Costs
Resonant Rubblizing

High Frequency (44Hz) Low Amplitude (20 mm)

Interlocked rubble distributes loads

Slab fractured

Base integrity maintained

Flat Bottom maintains load-bearing capacity of rubble

No displacement into base
Breaking Speed – Approx. 5,000 m² Per Shift

- Example: Maine DOT 2009
  - 235,000 m in 12 Days
  - As Fast As You Want to Go!
Removal of Reinforcing
Removal of Rebar
Potential Reusable Material
Precision Breaking
Airports / Building Slabs
DESCRIPTION OF RESONANT MACHINES
Description of Rubblizing Equipment

Weight

Computer Controls

Motor

Resonant Beam

Pedestal / Shoe

Flotation Tires
Operational Data of Equipment

- Strikes PCC 44 Times per Second
- 900 kgs. of Pressure Per Strike
- Beam Weighs 4080 kg.
- Raises 20mm Per Strike
- Machine Speed at Approx. 6-8 kph
- Breaking Area is 23cm Wide
- Average Rubblized Per Shift: 5,000 sq. mt
- 30% Less Truckloads
- Reduced Bed Damage
- 20% Faster Loading Costs
Crusher / Recycling Savings

- Option of Single Stage Crusher
- 6 Times Longer Impact Bar Life
- Reinforcing Steel Removed / Recycle