



# Rampart<sup>®</sup>

---

## Hydro Services

Ultra-High Pressure. Even Higher Standards.  
[www.rampart-hydro.com](http://www.rampart-hydro.com)

Welcome to Rampart's new quarterly newsletter. As a member of the hydrodemolition industry, you are probably familiar with Rampart Hydro Services. As an extension of the our website, this newsletter is designed to provide information about the hydrodemolition process, equipment, and technical information.

### Project Spotlight



Rampart Hydro Services has been working on a major interstate highway project in Utah. The hydrodemolition work has been happening on I-215 at SR-201 in Salt Lake County. The process is

### Featured Equipment



Rampart's wet/dry vacuum trucks are specifically designed to perform hydrodemolition cleanup and wastewater control. The trucks are

significantly extending the life of Utah's bridge decks. Because hydrodemolition does not damage surrounding structures or cause micro-fracturing, the DOT saves time and money. UT DOT estimates that hydrodemolition is saving approximately \$2.5 million. [Read more...](#)

also capable of performing "Dry Hydrodemolition". This process involves vacuuming directly from the hydrodemolition cutting head and therefore eliminating uncontrolled wastewater from the jobsite. [Read more...](#)

We have upgraded and improved our website. Check it out at [www.rampart-hydro.com](http://www.rampart-hydro.com). We will be continually adding current news, pictures, and more information about hydrodemolition - so check back often!



Look for Drippy throughout the new website. Click on him to go immediately to our Contact Us page.

## Technical Corner

Compressive Strength – Why is the compressive strength of the *existing* concrete important to a hydrodemolition subcontractor? To properly calculate the production rates, project length, water usage rates, equipment required – and ultimately, an accurate price – knowing the compressive strength of the existing concrete is vital. There is a direct relationship between compressive strength and the time it takes the hydrodemolition robot to remove the concrete – the higher the strength, the longer the removal time. For example, 8,000 psi concrete takes twice as long to remove as 4,000 psi concrete. When engineers and architects prepare bidding documents, existing concrete compressive strength should always be included in the specifications. Providing this information at the start of

the bidding process, allows all hydrodemolition subcontractors to prepare pricing based on the same information. It also allows general contractors to compare hydrodemolition quotes equally, ensuring that each subcontractors' price is for the correct compressive strength.

For additional information about our equipment or services, please contact us at 412-262-4511 or [estimating@rampart-hydro.com](mailto:estimating@rampart-hydro.com).

---