



INDIANA DEPARTMENT OF TRANSPORTATION

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RANK O'BANNON, Governor
JERTIS A. WILEY, Commissioner

September 23, 1997

Writer's Direct Line

Hydro-Technologies, Inc.
2227-A Kotter Drive
Clarksville, Indiana 47129

Attention: Mr. Jim Hughes, Hughes Group

Re: Hydrodemolition of Bridge Decks

Dear Jim:

The hydrodemolition process that you used on contract R-22921 for removal of the unsound bridge deck concrete worked well. It meets very well the Indiana Department of Transportation's (INDOT) requirements stated in section 722.05 "Preparation of the Bridge Floor" of our standard specifications.

INDOT allows bridge deck floors to have their unsound concrete areas either removed by handchipping or hydrodemolition. The hydrodemolition process has always been the most desirable method to use. As stated above, your company's process meets or exceeds the requirements of our specifications. It always leaves a highly rough surface which allows the overlay latex material to bond very tightly thus producing a deck that has very little delamination problems. Your equipment easily removes all unsound concrete on the deck in a single pass thereby speeding up the construction repair process.

As more and more bridge decks become candidates for repair in the future, the subject of "times of disruption" of traffic flow will become a major concern. It appears that this process will help construction repair projects so they can be completed as quickly as possible.

INDOT is also very pleased with how payment is being made for this removal work. As you know, the cost of removal of unsound concrete is paid for on a bid price per square meter based on a theoretical depth of removal with any additional removal above the theoretical depth caused by the hydrodemolition process being paid for using a fixed cost established in the contract. We hope you agree with us that this method is good for both contractor and owner.

In summary, we hope that the hydrodemolition process keeps improving so that and that with more bridge deck repairs coming down the road your cost for this type of work will lower thereby making it even more favorable as an excellent method to use.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dennis A. Kuchler', is written over a printed name and title.

Dennis A. Kuchler
Construction Field Engineer
Operations Support Division

DAK:pl