

Now, there is no question but what the work of the industry is divided into two segments, one of which is much easier to do something about. And there has been more done about it than the other. I speak of the distinction between heavy engineering construction and highway construction, as compared with building construction.

I believe that, as a general rule, AGC contractors have made an effort, because it is entirely to their advantage to make such an effort to extend their working period on building construction as far into and as completely into the off-season as possible. I know that the problems as presented by the completely outdoor and length of project in both heavy engineering and highway construction represent a greater problem, much greater, but I don't have any fear but what the intensity of consideration that might be very well given to these problems by the procedures that will be developed by this legislation will cause the development of even more additives to asphalt that would give you the opportunity to do such things as seal-coat work when the temperatures were not as favorable as they are presently required.

I don't have any doubt but that conceivably one day that we will develop a chemical additive that would be cheap enough to conceivably add to either wet or frozen soils that could let you go forward with grading operations in the off-season. And I think that it is most commendable that the Federal Government, the people on labor's side and the people on management's side in this industry will have a greater opportunity to examine just some of the things that can be done in order to alleviate a situation which is, I believe, obviously deplorable any time that an industry is not operating at its complete capacity.

Mr. O'HARA. Mr. Naumann, I would like to ask a few questions with respect to matters mentioned in your statement.

You spoke of the fact that your organization has continued its research to the best of its abilities. I wonder if you could describe some of that research to us so that we get a notion of what you are doing in that area.

Mr. NAUMANN. Well, the AGC has pioneered the use of the cheaper materials that have come on the market recently that are used for enclosures in recommending and urging their people, especially their building contractors, to utilize these types of things.

In our discussions with the professional people, through our joint committees with the American Association of State Highway Officials, with the professional engineers, architects, the American Society of Civil Engineers, and these kinds of people, we have had a continuing discussion about the possibility of changing specifications, the use of additives, the use of any kind of a system that would make the particular portions of the work practical and with the same end result in the off-seasons of the year, especially toward cold weather.

For example, in my own home part of the country, where we have a different problem, we have a restriction in almost every set of specifications that says we cannot pour concrete when the temperature is above a certain limited temperature by reason of the quick dehydration and the failure to be able to cure this concrete to come up with the ultimate strength by reason of this extremely hot weather.

Now we have developed a system whereby we produce in many cases on mass concrete pours as much ice almost as we do aggregately, because we have developed a means in that part of the country of