

RECORD OF PROCEEDINGS
MINUTES OF A SPECIAL MEETING
BOSTON TOWNSHIP TRUSTEES
FEBRUARY 15, 1988

THIS SPECIAL MEETING OF THE BOSTON TOWNSHIP TRUSTEES was to review the Oak Hill Road situation with interested geotechnical engineers and contractors.

The meeting was called to order by Chairman Daniel Schneider, Jr. Also present: Trustee Randolph Bergdorf, George Fisher, Jr., and Clerk, Longina Morgan.

Sam Reed of R&R International, Inc. was present at the meeting. Mr. Reed's firm has submitted a slope stability proposal for Oak Hill road, T.R. 173, Boston Township, Summit County, Ohio.

Mr. Reed was asked to come to the meeting in order to explain the various proposals that his firm set forth in their presentation. Mr. Reed indicated that based upon his company's review of the available soil information, it was their opinion that the following measures are essential in correcting the Oak Hill situation:

- 1) Reduction of surface water entering the slope;
- 2) Structural support of the slide area.

Mr. Reed indicated that structural support can be provided by the installation of various types of piles and caissons. There are many difference types of piles and methods of installation that can be employed. Their view of the various methods he suggested are as follows:

1) Steel (H) piles. This type of piling system has been used on projects similar to this with great success. Due to the presence of silts which are highly susceptible to liquification by vibration, the H-pile method may need to be installed by first pre-drilling a hole to a certain depth and then driving a pile into the required depth. Mr. Reed indicated that his initial reaction is that the H-pile method is not the best solution.

2) Auger cast piles method. Auger cast piles are formed by drilling a hole to the required depth and then backfilling the hole with pressurized grout. This method is generally less expensive than steel H-piles and is well suited for silty soils due to the marginal amount of vibration created by the drilling equipment. Reinforcement can be placed between the piles to increase their lateral strength. Mr. Reed is of the opinion that the auger cast pile method would be the superior method to handle the Oak Hill situation.

3) Timber piles. Timber piles would be less expensive than either the steel H-piles or the auger cast piles. However, their life expectancy is less.

4) Caissons can be constructed by drilling a large size vertical shaft generally with augers. This hole is filled with concrete of desired strength. Caissons can also be easily reinforced.

Mr. Reed indicated that the selection of corrective methods would be based on safety and economics along with the right-of-way limitations. The projected engineering cost would be \$13,700.00.

It was explained to Mr. Reed that the Township Trustees will be meeting with Poly Systems, another interested contractor/engineer, in the near future. He will be advised as to the final decision of the Trustees.

Motion by Schneider, seconded by Bergdorf to adjourn.
Meeting duly adjourned.

2/14/82-35

CHAIRMAN

CLERK