PROJECT OVERVIEW AND CHALLENGES

The NCSS project highlights Bradshaw Construction's ability to redesign projects to increase efficiency, decrease costs, and streamline logistics. The NCSS project was initially designed as a pilot tube MTBM job. However, this would have involved the installation of 8 shafts in the middle of Jefferson Davis Highway - a major artery into and out of DC. We redesigned the project as a rib-and-board TBM job, which decreased the necessary number of shafts by half: one launch shaft, one receiving shaft, and two 8’ diameter intermediary shafts - used for the installation of manholes. All of the shafts were located within the median; no lanes of traffic had to be shut down during the project. From a tunneling standpoint we successfully mined through several hundred feet of cobbles and boulders, none of which were on the boring logs.