

ADDITIONAL BASELINE TO INTERFEROMETER

MEMO No. 173

NATIONAL RADIO ASTRONOMY OBSERVATORY  
Green Bank, West Virginia

June 11, 1982

TO: Monterville Project Group

FROM: F. Crews, L. Howell, B. Peery

SUBJECT: Antenna Contract AUI 198 with TIW Systems

On June 8 and 9 we visited Central Bridge Company in Trenton, Ontario to review the progress in fabrication of the 14.2 meter antenna.

The fabrication of the structure was 98 percent complete. The backup structure has been completed including trial assembly, painting and preparation for loading and shipping. This is also true for the feed legs, apex structure, access ladders and panels. The surface panels are packaged and loaded in a trailer.

The alidade was complete and in the process of the trial assembly. The counterweight structure lacks cleaning and painting. To complete the trial assembly, they need the drive systems, which were purchased and are to be delivered in two to three weeks. The azimuth bearing is scheduled for delivery in late July. The azimuth bearing trial assembly with the alidade will complete the fabrication at Central Bridge. This is scheduled for the first week of August.

We were given the following schedule, which looks practical based on the delivery schedules given above.

- July 6 - Complete alidade trial assembly except for azimuth bearing.
- Aug. 4 - Trial assembly of azimuth bearing.
- Aug. 6 - Ship (4 trucks at same time)
- Aug. 9 - Arrive at site and start erection.

Jay Brown will be in charge of erection. He will visit us in July to make preparation for the erection of the antenna.

We were impressed with the structure and agree that the materials and workmanship are of excellent quality.

We were given copies of panel measurement data and other measurement data taken during trial assembly and fabrication by Quality Control for our information and review.