

ADDITIONAL BASELINE TO INTERFEROMETER

MEMO No. 168

NATIONAL RADIO ASTRONOMY OBSERVATORY  
Green Bank, West Virginia

April 6, 1982

TO: Monterville Project Group

FROM: J. Ralston and B. Peery

SUBJECT: Antenna Contract AUI 198 with TIW Systems

On April 2, 1982 we visited Central Bridge Company in Trenton, Ontario to review the progress in fabrication of the 14.2 meter antenna. Central Bridge Company is the division of TIW Systems fabricating the structure.

The fabrication and assembly is running ahead of the schedule presented in Memo 161. The hub of the backup structure and the radial members have been fabricated and prime coated with the trial assembly of the backup structure to start April 5, 1982. Thirty to forty of the surface panels had been completed with the others due for completion within two weeks. Other parts of the structure such as feed legs, apex structure, alidade, counterweight structure, elevation shaft, inductosyn supports, cable wrap, elevation shaft supports, drive system covers, and backup structure supports were in various stages of fabrication and assembly throughout the plant. It appeared all members for the structure had been rough cut and moved into the plant for fabrication and finishing.

We were very impressed by the quality of their work and their program. They propose to have the complete trial assembly completed by the middle of May. The items that might delay this are the purchased items such as motors, gear box bearings, etc. We authorized the use of a dummy fixture to substitute for the azimuth bearing during the trial assembly. The azimuth bearing would be shipped directly to the site for final assembly. They were informed that they would remain responsible for making the assembly work properly at the site.

Their progress, and materials on hand, has put them well beyond milestone #1 and #2 in their progress payment schedule. They were advised that we could approve payment for these two milestones as soon as the corrected invoice is received.

Anchor bolts and template will be shipped from California the week of April 5.

They had reviewed our foundations drawings which were in order and would meet their requirements.