

CONTRACT NAS-8-4016

SCHEDULE I

STAGE SUPPLY STATUS

- S-I-8 SUCCESSFULLY LAUNCHED (SA-8) 25 MAY 65 (PEGASUS II)
- S-I-10 SUCCESSFULLY LAUNCHED (SA-10) 30 JULY 65 (PEGASUS III)
- S-IB-1 SUCCESSFULLY LAUNCHED (AS-201) 26 FEB 66 (¼ LOB SHOT)
- S-IB-3 SUCCESSFULLY LAUNCHED (SA-203) 5 JULY 66
(LIQUID HYDROGEN EXP.)
- S-IB-2 SUCCESSFULLY LAUNCHED (AS-202) 25 AUG (¼ LOB SHOT)
- S-IB-4 AT KSC COMPLETED ON SCHEDULE JUNE 66

- S-IB-5 COMPLETED ON SCHEDULE AUG 65 AWAITING SHIPMENT
- S-IB-6 AT KSC COMPLETED ON SCHEDULE NOV. 66
- S-IB-7 ON SCHEDULE IN POST STATIC FIRE MODIFICATION
- S-IB-8 ON SCHEDULE IN POST STATIC FIRE MODIFICATION
- S-IB-9 ON SCHEDULE AT STATIC TEST
- S-IB-10 ON SCHEDULE IN PRE STATIC FIRE CHECK OUT
- S-IB-11 ON SCHEDULE IN CLUSTERING
- S-IB-12 ON SCHEDULE IN CLUSTERING

CHART 4

dom vibrations and has qualified under all of the applicable stress environments. Next slide, please. This is a pair of the same lines mounted in the horizontal position so that we are testing two at the same time, mounted on the shaker, and excited in this direction for random and for sine wave vibrations over the complex frequency scale. Next slide. Here is a test of the complete "wraparound" line assembly. Here, again, the message here lies in the very large sizes involved (practically sewer pipe sizes), and again it has an excitation in the vertical direction. We have problems in this type of structure with bosses and with the bellow connections. Next slide, please. Here is a typical series of pictures of typical difficulties that you run into; some outside of the limits of qualification and reliability, and some inside. Here's one that was inside the limits, where the complete boss