

From: Jeff Spalding, Vladimir Shiltsev

To: Steve Wolbers, Bob Webber

October 22, 2003

Dear Steve and Bob,

The review committee chaired by Don Edwards has endorsed the Tevatron BPM upgrade requirements documented in Beams-doc-554 as appropriate for the Run II collider operation and has recommended that the upgrade project management proceed to follow through with the hardware design of signal processing electronics and associated software that would satisfy the requirements. The highlights of these requirements include (1) supporting an order of magnitude improvement in position resolution and (2) making signals from both protons and anti-protons available. The committee also recommends that the project management undertake a cost versus performance evaluation.

We accept the recommendations and request that the Tevatron BPM project team proceed to develop the technical design for the BPM system and to undertake cost/performance evaluation.

We would like to set up a review to look at the key specification parameters for the design and the technical plan for the project. This review should be held before the end of November.

We also need an update to the project plan in the form of a resource-loaded schedule, including an updated cost estimate by the end of November.

Best regards,

Jeff and Vladimir