

BI-WEEKLY STATUS REPORT

1/30/04

**From
Jacobs Engineering Group Inc.**

Steven Hill - Project Manager

1.0 Overview

The Notice to proceed was received on January 13th, 2004. The project was started on that week with a client kick-off at the client's office on the 15th and 16th of January. The project team is working on project startup documentation including the Project Management Plan and Project Quality Plan. Jacobs has planned a series of Charrrttes to focus the team on key issues Jacobs will need in the next few weeks to prepare the Title I design. The design will include extending the LINAC from the existing Research Yard (RSY) wall in a Beam Transfer hall (BTH), into an Undulator Hall (UH), a front-end Enclosure (FEE), a Beam Dump (BD), a Near Experimental Hall (NEH), and an X-ray Tunnel (XRT) into a Far Experimental Hall (FEH). A Free Electron laser Center (FEL) will also be included. The Title I design is scheduled for final SLAC review on April 22nd and 23rd.

2.0 Activity this period.

The project was kicked-off at Stanford on the 15th and 16th of January. An internal Jacobs's kick-off was held the following week on the 20th and 21st. the Jacobs team started two major activities. First the project start-up documentation was put into place and second preparation for the first Charrette was made. On January 27th and 28th, the first Charrette was held. The Charrette included key members of both Jacobs and SLAC staff. During the Charrette, many of the design requirements were established an options were identified.

3.0 Planned Activities for next period

For the next period, Jacobs will be gathering additional information and developing the design options to allow decisions to be made at the next Charrette, scheduled for February 12th and 13th. SLAC will be developing a layout for the Beam Dump and FEE for inclusion in the next Charrette. It is very important that we finalize the location of the NEH, the FEH, the BD, and the FEL in order to maintain the very tight schedule.

4.0 Overall Project Completion

With start-up activities and the first Charrette, the Project is about 7.5% complete.

5.0 Schedule

A detailed Engineering Schedule will be completed next week. Current scheduled activities have been the Kick-off meeting and Charrette I, that have been on schedule. The next major activity will be Charrette II, February 12th and 13th, which appear to be on schedule.

6.0 Action Items

There are a lot of items on the Action list (see attached). Many of these are information gathering and will be completed next week. Key items on the list are the Layout of the Beam Dump / FEE and the programming data for the FEL.

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BI-WEEKLY STATUS REPORT

February 27, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. The Project Management Plan and Project Quality Plan have been completed and issued to the Jacobs team for comment and use. Jacobs has had a series of Charrettes to focus the team on key issues Jacobs will need to prepare for the Mid-Title I review. The Title I design is scheduled for final SLAC review on April 22nd and 23rd.

2.0 Activity this period.

On February 12th and 13th, the second Charrette was held. The Charrette included key members of both Jacobs and SLAC staff. During the Charrette, many of the design requirements were discussed along with options that had been identified during the first Charrette. Additional changes were made and decisions were agreed to for Jacobs to start work the next week towards the Mid-Title I review. The construction cost model to support the decision process was reviewed. SLAC made their final selection on Tuesday the 17th of February to go with the Cavern design and not extend through the hillside. During this period, the action list, attached, was worked on a daily basis with a few items starting to show past due. We need to get these item finished this week. On the 19th of February, a series of meeting was held with SLAC to fill in the Room Data Sheets and work on the Code Analysis. We completed all the Room Data Sheets except for the FEE and the Beam Dump. These were completed by phone on the 27th. On the 23rd.of February, SLAC reviewed the Jacobs layout and decided to make additional changes and clarifications to the locations of major facilities. These changes were confirmed on the 25th. Jacobs is now revising its drawing to reflect the latest thinking of the SLAC team. Also during this period, a new FEH design was created that is more cost effective and allows for better future expansion. Jacobs has been working on the tunnel sections and has started developing a design for the FEL. A layout of the Beam Dump was received last week and is being incorporated into the design layout. The layout was received about two week late.

We have two new projects that have been added to our scope of work. Sector 20 Upgrades which is under way and the MMF design which is slated to start about the 1st. of April.

Jacobs has also started design of the Sector 20 project. A kickoff meeting was held on the 20th of February to start the Room Data Sheets and get information for the design. Preliminary layouts have been developed and will be reviewed with SLAC on Tuesday the 2nd of March.

3.0 Planned Activities for next period

For the next period, Jacobs will be developing the final layout design based on SLACs revised design. Jacobs will be finishing the Room Data sheet on the 3rd. of

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March and will submit a draft copy to SLAC for concurrence. Jacobs's designers will be working on formal drawing towards the Mid-Title I review schedules for March 11th and 12th. We have finalized the location of the UH, the NEH, the FEH, the BD, and the FEL.

We need to finalize the programming for the FEL building at the Mid-Title I design review meeting. Jacobs will be scheduling interviews with the SLAC Team to complete the Room Data Sheets for the FEL after the Mid-Title I review.

Jacobs will be continuing work on the Sector 20 design in preparation for the Mid-Title I design review. A meeting has been scheduled for the 2nd of March to review preliminary design layouts.

4.0 Overall Project Completion

With the second Charrette finished on schedule, the Project is about 40% complete. We have seen a minor setback with the redesign work but we are working weekends to stay on schedule for the Mid-Title I review. Work will accelerate over the next two weeks.

5.0 Schedule

A Project Schedule is complete and is being tracked on a weekly basis. Current scheduled activities have been the incorporation of the Charrette II design input and up-dating our cost model. These have been on schedule. We have seen a setback in schedule because of the SLAC revised design input last week. We are working weekends to recover any lost schedule. The next major activity will be completion of the Room Data Sheets for SLACs review and the Mid-title I Review, March 11th and 12th, which are on schedule.

6.0 Action Items

There are a lot of items on the Action list (see attached). Many of these are information gathering and will be completed next week. Key items on the list are the programming data for the FEL and the Electrical load information to start the Electrical Design. We have received SLACs first pass at the staffing for the FEL and the new office space but no information on how the space will be used or the size requirements for the various offices and spaces. We still have not received an RFP for the additional 30,000 sq. ft. of new space requested. We also need the new road design slope and maximum load criteria.

7.0 Critical issues

There are several areas of critical concern. First, we have been told to plan on an additional 30,000 sq. ft. of office space for the FEL. This has not been added to our contract as yet. We have been planning our work to include the additional space but we need an RFP to prepare a proposal for this work. David Saenz has asked Jacobs to start preparing a proposal for the work, but Jacobs will need a formal RFP with some detail as to what is to be included in the additional space.

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Jacobs has lost some man-hours reworking the overall layout. The Beam Dump has been received but was very late and is still being revised by SLAC. We are concerned that the continued changing of the design will make it impossible to meet the final Title I design schedule. We are still waiting for a NTP on Sector 20 and the MMF.

Other critical areas have been marked with an * on the Action List.

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WEEKLY STATUS REPORT

March 5, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. The Project Management Plan and Project Quality Plan have been completed and issued to the Jacobs team for comment and use. Jacobs has completed a series of Charrettes to focus the team on key issues is preparing for the Mid-Title I review next week. The Title I design is scheduled for final SLAC review on April 22nd and 23rd.

2.0 Activity this period.

During this period, work was focused on preparing for the Mid-Title I review. Drawing and outline specification were prepared and the Design Basis was formalized. The Design Basis document will include the Room Data sheets and the code analysis. The action list attached, was worked on a daily basis with a few items still showing past due. We need to get these items finished this week. We completed all the Room Data Sheets for the FEE and the Beam Dump. These were completed by phone on the 27th. Jacobs has been working on the tunnel sections and has started developing a design for the FEL. A layout of the Beam Dump was received last week and is being incorporated into the design layout. We have two new projects that have been added to our scope of work. Sector 20 Upgrades, which is under way, and the MMF design which is slated to start about the 1st of April.

Jacobs has also started design of the Sector 20 project and met with SLAC to review the preliminary layout. It appears that the space in the existing building is very tight and Jacobs was asked to look at the cost of a new building. Jacobs will be presenting the two alternates at the Mid-Title I review.

3.0 Planned Activities for next period

For the next period, Jacobs will be developing the final layout design based on SLAC's revised design. Jacobs will be preparing for the Mid-Title I design review scheduled for the 11th and 12th of March. Work continues on refining the working areas, offices, access ways etc.

We need to finalize the programming for the FEL building at the Mid-Title I design review meeting. Jacobs has scheduled a Charrette with the SLAC Team to complete programming for the FEL and UFC on the 16th of March.

Jacobs will be continuing work on the Sector 20 design in preparation for the Mid-Title I design review.

4.0 Overall Project Completion

The overall project is on schedule with the exception of the programming of the FEL and UFC. These will be picked up on the 16th of March. The Project is about 45%

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with a planned completion of 47%. We have seen a minor setback with the redesign work but we are working weekends to stay on schedule for the Mid-Title I review. With the final FEL/UFC schedules for the 16th, we should be back on schedule on the end of March.

5.0 Schedule

A Project Schedule is complete and is being tracked on a weekly basis. We are still working to recover some setback in schedule because of continues design input but that should be completed this week. We are working weekends to recover any lost schedule. The next major activity will be the Mid-title I Review, March 11th and 12th, which are on schedule.

6.0 Action Items

There are a lot of items on the Action list (see attached). Many of these are information gathering and will be completed next week. Key items on the list are the programming data for the FEL and the Electrical load information to start the Electrical Design. We have received SLACs first pass at the staffing for the FEL and the new office space but no information on how the space will be used or the size requirements for the various offices and spaces. We will complete this effort on the 16th of March.

7.0 Critical issues

There are several areas of critical concern. First, we have been told to plan on an additional 30,000 sq. ft. of office space for the FEL. This has not been added to our contract as yet. We have been planning our work to include the additional space but we need an RFP to prepare a proposal for this work. David Saenz has asked Jacobs to start preparing a proposal for the work, but Jacobs will need a formal RFP with some detail as to what is to be included in the additional space.

Jacobs has lost some man-hours reworking the overall layout. The Beam Dump has been received but was very late. We are concerned that the continued changing of the design will make it impossible to meet the final Title I design schedule.

Other critical areas have been marked with an * on the Action List.

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WEEKLY STATUS REPORT

March 12, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs has completed a series of Charrettes to focus the team on key issues. The Mid-Title I was held this week on schedule. The Title I design is scheduled for final SLAC review on April 22nd and 23rd.

2.0 Activity this period.

During this period, work was focused on the Mid-Title I review. Drawing and outline specification were prepared and the Design Basis was formalized. The Design Basis document includes the Room Data sheets and the code analysis. The Mid-Title I review was held on the 11th and 12th of March. There were some additional requirements that surfaced in the discussions that Jacobs will need to incorporate. Namely the compressed air requirements and the need for additional working space for the FEH, including new shops. The action list attached, was worked on a daily basis with a few items still showing past due. We need to get these item finished this soon.

The two new projects that have been added to our scope of work are under way. Sector 20 Up-grades, which was reviewed at the Mid-Title I review, is waiting for a decision on the design basis (new or revamp). The MMF design, which is slated to start about the 1st. of April, will be started next week by working the room data sheets. A location for the new facility has not been agreed to yet.

3.0 Planned Activities for next period

For the next period, Jacobs will be developing the final layout design based on SLACs revised design and comments on the Mid-title I review due to Jacobs by the 19th of March. Jacobs will be finalizing the design for completion of the Title I work. Work continues on refining the working areas, offices, access ways etc.

We will be finalizing the programming for the FEL building this week. Jacobs has scheduled a Charrette with the SLAC Team to complete programming for the FEL and UFC on the 16th of March.

Jacobs will be continuing work on the Sector 20 design as soon as a decision is reached on the design direction. Jacobs is preparing a proposal for additional vibration measurements for the Sector 20 area.

4.0 Overall Project Completion

The overall project in on schedule with the exception of the programming of the FEL and UFC. These will be picked up on the 16th of March. The Project is about 53% with a planned completion of 55%. We have seen a minor setback with the redesign

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work but we are working weekends to stay on schedule. With the final FEL/UFC schedules for the 16th, we should be back on schedule on the end of March.

5.0 Schedule

A Project Schedule is complete and is being tracked on a weekly basis. We are still working to recover some setback in schedule because of continued design input but that should be completed this week. SLAC has asked Jacobs to look at a new layout for the Undulator Hall, which requires the addition of vertical walls to be added the length of the tunnel. This will improve the ability to keep this area clean but will add to the cost and Jacobs's efforts. The next major activities will be the Value Engineering session on the 23rd and 24th of March and review of the FEL and UFC floor layouts around the end of March in Cypress.

6.0 Action Items

There are a lot of items on the Action list (see attached). Many of these are information gathering and will be completed next week. Key items on the list are the 50% design review comments due on the 19th of March, the decision on the Sector 20 path forward, the programming data for the FEL and the Electrical load information to continue the Electrical Design. We have received SLACs first pass at the staffing for the FEL and the new office space but no information on how the space will be used or the size requirements for the various offices and spaces. We will complete this effort on the 16th of March.

7.0 Critical issues

There are several areas of critical concern. First, we have been told to plan on an additional 30,000 sq. ft. of office space for the FEL. This has not been added to our contract as yet. We have been planning our work to include the additional space but we need an RFP to prepare a proposal for this work. David Saenz has asked Jacobs to start preparing a proposal for the work, but Jacobs will need a formal RFP with some detail as to what is to be included in the additional space.

Jacobs has continues to spend additional man-hours reworking the overall layout and additions to the scope of work. We are concerned that the continued changing of the design will make it impossible to meet the final Title I design schedule.

Other critical areas have been marked with an * on the Action List.

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WEEKLY STATUS REPORT

March 19, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs has completed a series of Charrettes to focus the team on key issues. The Mid-Title I was held this week on schedule. The Title I design is scheduled for final SLAC review on April 22nd and 23rd.

2.0 Activity this period.

Work this week was focused on up dating the design drawing per comments on the 50% design review and completing the design. The tunnel design is finalized and the over all layout is fixed. We had a programming meeting on the 16th to get the detail for the FEL and UFC so that floor plans and elevations can be developed for SLAC review. Early review of the data obtained indicates that there is not enough space to meet all of SLACs projected needs.

We revised the cost estimate with input from the 50% design review and updated design information. The overall cost has gone up about \$5 million with the inclusion of the additional FEH workspace, expanding the estimate to include the total 80,000 sq. ft. of office and lab space for the FEL and UFC, the additions of an elevator and stairs at the FEH and the additional road work for the North Access road.

The Value Engineering session scheduled for the 22nd and 23rd of March was postponed until the 30th and 31st of March to assure the proper attendance. We will work to reduce the cost at that time.

Sector 20 Up-grades, which was reviewed at the Mid-Title I review, was on hold this week waiting for a decision on the design basis (new or revamp). Jacobs was given a verbal decision on the 18th of March to go with the New Facility. There will be a cost impact for the Engineering work. Jacobs's needs a written notice of direction and will precede with design and submit a change order for the additional cost. The MMF design, which is slated to start about the 1st. of April, will be started next week by working the room data sheets. A location for the new facility has not been agreed to yet.

3.0 Planned Activities for next period

For the next period, Jacobs will continue the development of the final layout design based on SLACs revised design and comments on the Mid-title I review sent to Jacobs on the 22nd of March. Jacobs will be finalizing the design for completion of the Title I work. Work continues on refining the working areas, offices, access ways etc.

Jacobs has not received comments on the Room data Sheets.

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Jacobs will be developing plans and sections for the FEL and UFC buildings this week and will schedule a review of the floor plans early next week. The early analysis of the input from SLAC indicates that more than the 80,000 sq. ft. is needed to meet all of SLACs requirements for this complex.

Jacobs will be continuing work on the Sector 20 design as soon as a Formal decision is reached on the design direction. Jacobs is preparing a proposal for additional vibration measurements for the Sector 20 area, which is on hold. Delays on this project are impacting schedule of completion and cost.

4.0 Overall Project Completion

The overall project is on schedule with the exception of the design of the FEL and UFC. The Project is about 65% with a planned completion of 67%. We need to finalize the FEL and UFC floor plans next week in order to meet the completion date. The Sector 20 project is at 45% complete with a planned completion of 50. we are falling behind waiting to decision on path forward. The MMF has not started because a building site has not been found.

5.0 Schedule

A Project Schedule is complete and is being tracked on a weekly basis. We are still working to recover some setback in schedule because of continued design input but that should be completed next week with the SLAC review of the FEL and UFC floor plans. SLAC has asked Jacobs to look at a new layout for the Undulator Hall, which requires the addition of vertical walls to be added the length of the tunnel. This will improve the ability to keep this area clean but will add to the cost and Jacobs's efforts. Because of the additional cost required for a larger tunnel (we can use a 15' tunnel), this idea has not been incorporated. The next major activities will be the Value Engineering session on the 30th and 31st of March, which will be a week late, and review of the FEL and UFC floor layouts around the end of March in Cypress.

6.0 Action Items

There are still a number of open items on the Action list (see attached). Many of these are information gathering and will need to be completed soon. Key items on the list are the formal decision on the Sector 20 path forward, Electrical load information to continue the Electrical Design, comments on the Room Data Sheets, and the RFP for the UFC. We have received SLACs first pass at the staffing and programming for the FEL and UFC but will need direct on how to allocate the space to meet the 80,000 sq. ft. requirement. We had requested a soils report on January 1st and have not received any data as yet. We need this input to complete our preliminary analysis for the structural design.

7.0 Critical issues

There are several areas of critical concern. First, we have been told to plan on an additional 30,000 sq. ft. of office space for the FEL. This has not been added to our contract as yet. We have been planning our work to include the additional space but we need an RFP to prepare a proposal for this work. David Saenz has asked Jacobs

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to start preparing a proposal for the work, but Jacobs will need a formal RFP with some detail as to what is to be included in the additional space.

We have been told to design a new facility for the Sector 20 building. This will require additions proservice hour for Jacobs. To date, we have not received a formal NTP or request for change.

With the latest revision to the cost estimate and the Value Engineering Postponed for a week, Jacobs is concerned that additional changes to meet cost reduction will cause a schedule slip.

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WEEKLY STATUS REPORT

March 26, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs has completed a series of Charrettes to focus the team on key issues. The Mid-Title I was held this week on schedule. The Value Engineering session scheduled for 22nd and 23rd of March were postponed for one week in order to allow key attendance for the SLAC team. The Title I design is scheduled for final SLAC review on April 22nd and 23rd.

2.0 Activity this period.

Work this week was continues on up dating the design drawing per comments on the 50% design review, up dating the cost estimate and completing the design. The data obtained for programming the Central Lab and Office complex are driving the floor space beyond the 80,000 sq. ft. limit for the project. Jacobs has scheduled another review session with SLAC for the 29th of March to work with the SLAC team to reduce these numbers so we can produce the floor plan for review.

We revised the cost estimate with input from the 50% design review and updated design information. The Value Engineering session scheduled for the 22nd and 23rd of March was postponed until the 30th and 31st of March to assure the proper attendance. We will work to reduce the cost at that time.

Sector 20 Up-grades, which was reviewed at the Mid-Title I review, was approved to restart the design effort based on a new facility. Because of the lost front-end work and the additional work for a new faculty, the cost impact for the project is estimated at \$65,000. Jacobs has scheduled meetings on the 29th of March to complete the Room Data Sheets for the Sector 20 new design and the MMF. The MMF design will be started next week by working the room data sheets. A location for the new facility has not been agreed to yet.

3.0 Planned Activities for next period

For the next period, Jacobs will continue the development of the final layout design based on SLACs revised design and comments on the Mid-title I review sent to Jacobs on the 22nd of March. Jacobs will be finalizing the design for completion of the Title I work. Work continues on refining the working areas, offices, access ways etc.

Jacobs will be holding the Value Engineering session on the 30th and 31st of March to review the cost, assure value and find saving.

Jacobs will be reviewing the input data with SLAC for the FEL and UFC buildings this week and will be working to reduce the space requirement so the floor plans can be started. The early analysis of the input from SLAC indicates that more then the 80,000 sq. ft. is needed to meet all of SLACs requirements for this complex.

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Jacobs has started work on the Sector 20 new building design. Jacobs is preparing a proposal for additional vibration measurements for the Sector 20 area, which is on hold. A design Change Notice for \$65,000 has been issued for the Sector 20 changes, which include the lost work on the revamp design, and the additional work required for the new facility. Jacobs is still working towards a 90% Design Review on April 22nd and 23rd.

4.0 Overall Project Completion

The overall project is on schedule with the exception of the design of the FEL and UFC. The Project is about 70% with a planned completion of 72%. We need to finalize the FEL and UFC floor plans next week in order to meet the completion date. Changes required from the Value Engineering session will impact completion of Title I and will be evaluated upon completion of the session.

The Sector 20 project is at 35% complete with a planned completion of 50. We are behind schedule for completion due to the change in direction of the design. We are adding extra staff for the next two weeks to get the design ready for the 90% review. The MMF will be started next week with the Room Data sheet and design layout can be started the following week if a location is finalized.

5.0 Schedule

A Project Schedule is complete and is being tracked on a weekly basis. We are still working to recover some setback in schedule because of additional design input but that should be completed next week with the SLAC review of the FEL and UFC floor plans. The EV session will be completed next week and major changes may impact the schedule. Jacobs will evaluate the impact next week. The next major activities will be the Value Engineering session on the 30th and 31st of March, which will be a week late, and review of the FEL and UFC floor layouts around the end of March in Cypress.

6.0 Action Items

There are still a number of open items on the Action list (see attached). Many of these are information gathering but still have not been completed. Key items on the list are the Electrical load information to continue the Electrical Design, and comments on the Room Data Sheets. We have received SLACs first pass at the staffing and programming for the FEL and UFC but will need another meeting to bring the square footage down to meet the 80,000 sq. ft. requirement. A meeting has been set for the 29th of March to finalize this data. We had requested a soils report on January 1st and have not received any data as yet. We need this input to complete our preliminary analysis for the structural design.

7.0 Critical issues

There are several areas of critical concern. The VE session is being held on the 30th and 31st of March and any major changes may impact schedule. This session was postponed by one week and is critical.

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We have been told to design a new facility for the Sector 20 building. This will require additions proservice hour for Jacobs. Jacobs has sent SLAC a change notice for \$65,000 and will be following this with a formal proposal next week. We are trying to complete the Title I design to meet schedule but it is very tight. The Title II work will take about 4 months to complete after NTP.

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WEEKLY STATUS REPORT

April 2, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs has completed the Value Engineering session and is now incorporating the changes. Because of the delay in starting the Value Engineering session and the extent of the changes, the Final Review has been moved to the 27th and 28th of April. Following the Review, Jacobs will pick up any changes and issue the final package to SLAC on the 4th of May.

2.0 Activity this period.

Work this week was continues on up dating the design drawing per comments on the 50% design review, up dating the cost estimate and completing the design. The data obtained for programming the Central Lab and Office complex were reviewed with SLAC and reduced to meeting the project goal of 70,000 sq. ft. plus the first floor Hutch area that is another 10,000 sq. ft.

The Value Engineering session was held on the 30th and 31st. of March. A goal was set at savings of \$4 million. By the end of the session and with the help of the SLAC team, we reach in excess of \$5 million. Major changes were shortening the X-ray Hall to 250m, Shortening the Head House to 61m, and relocating the FEH Office Complex to an expanded cavern area and eliminating a stair and elevator. The changes are being incorporated into the design starting this week. Because of the extent of the changes, the Final review has been moved to the 27th and 28th of April.

Sector 20 redesign is moving forward on the same schedule as the main project. Title I design will be submitted on the 27th and 28th of April for the final review. Jacobs will try to schedule and over the shoulder review of the design in Cypress in the next two weeks. Because of the lost front-end work and the additional work for a new faculty, a cost proposal for the additional work is being prepared. On the 29th of March Jacobs met with SLAC to develop the Room Data Sheets for the Sector 20 new design and the MMF. The MMF design will be started as soon as a location is finalized. Jacobs has been requested to provide a study of building 26 compared to build 81 to evaluate, which will work best and be most cost effective. This study is out side of Jacobs's scope but to keep the project moving, Jacobs is proceeding with the evaluation.

3.0 Planned Activities for next period

For the next period, Jacobs will continue the development of the final layout design based on SLACs directions from the Value Engineering session. Jacobs will be finalizing the design for completion of the Title I work. Work continues on refining the working areas, offices, access ways etc. A cost estimate in Timberline format is being developed for the final deliverable.

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Jacobs will be developing floor plans for the Central Lab and Office Complex this week from review with SLAC next week.

Jacobs will continue work on the Sector 20 new building design. A design Change Notice has been issued for the Sector 20 changes, which include the lost work on the revamp design, and the additional work required for the new facility. Jacobs is still working towards a 90% Design Review now scheduled for April 27th and 28th.

4.0 Overall Project Completion

The overall project is on schedule and we are making progress on the design of the FEL and UFC (now the Central Lab and Office Complex). The Project is about 80% with a planned completion of 85%. The lost in progress is due to the new changes from the Value Engineering recommendation and changes.

The Sector 20 project is at 60% complete with a planned completion of 70%. We are behind schedule for completion due to the change in direction of the design. We are adding extra staff for the next two weeks to get the design ready for the 90% review. The MMF was started last week with the Room Data sheet. Design layout can be started the following week if a location is finalized.

5.0 Schedule

A Project Schedule is complete and is being tracked on a weekly basis. We are now working to recover the setback in schedule because of additional design changes for the VE session. The final Design Review has been moved to the 27th and 28th of April to give Jacobs a little more time to incorporate the VE changes. Final delivery of the design package is scheduled for May 4.

6.0 Action Items

There are still a number of open items on the Action list (see attached). We had requested a soils report on January 1st and have not received any data as yet. We are working with SLAC to revise the scope of needs to fit within the SLAC budget.

7.0 Critical issues

The major critical is time to incorporate the VE changes.

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WEEKLY STATUS REPORT

April 9, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs has completed the Value Engineering session and is continuing to incorporate the changes. Because of the delay in starting the Value Engineering session and the extent of the changes, the Final Review has been moved to the 26th of April. Following the Review, Jacobs will pick up any changes and issue the final package to SLAC on the 3rd of May.

2.0 Activity this period.

Work this week was continues on up dating the design drawing The Value Engineering session was held on the 30th and 31st of March. The changes are being incorporated into the design. Because of the extent of the changes, the Final review has been moved to the 26th of April.

Sector 20 redesign is moving forward on the same schedule as the main project. Title I design will be submitted on the 26th of April for the final review. Jacobs has scheduled an over the shoulder review of the design in Cypress on the 19th and 20th of April. Because of the lost front-end work and the additional work for a new faculty, a cost proposal for the additional work is being prepared. The MMF design has started using building 81. Jacobs will provide a cost estimate of the revised design by April 13, 2004. Final Title I design review is scheduled for April 26 with final package delivered to SLAC on May 3rd.

3.0 Planned Activities for next period

For the next period, Jacobs will continue the development of the final layout design based on SLACs directions from the Value Engineering session. Jacobs will be finalizing the design for completion of the Title I work. Work continues on refining the working areas, offices, access ways etc. A cost estimate in Timberline format is being developed for the final deliverable.

Jacobs will be developing floor plans for the Central Lab and Office Complex this week from review with SLAC next week.

Jacobs will continue work on the Sector 20 new building design. Jacobs is still work towards a 100% Design Review now scheduled for April 26th.

4.0 Overall Project Completion

The overall project is on the revised schedule and we are making progress on the design of the FEL and UFC (now the Central Lab and Office Complex). The Project is about 85% with a planned completion of 88%. The lost in progress is due to the new changes from the Value Engineering recommendation and changes.

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The Sector 20 project is at 70% complete with a planned completion of 75%. We are behind schedule for completion due to the change in direction of the design. We are adding extra staff for the next two weeks to get the design ready for the 100% review.

The MMF was started last week with the Room Data sheet. Design layout has been started. A schedule will be provided next week.

5.0 Schedule

A Project Schedule is complete and is being tracked on a weekly basis. We are now working to recover the setback in schedule because of additional design changes for the VE session. The final Design Review has been moved to the 26th of April to give Jacobs a little (very little) more time to incorporate the VE changes. Final delivery of the design package is scheduled for May 3rd.

The Title I design for the MMF 50% review is estimated for mid May.

6.0 Action Items

There are still a number of open items on the Action list (see attached). We had requested a soils report on January 1st. We have revised the scope of needs to fit within the SLAC budget and work should be started soon. We have not received comment on the outline specifications submitted at the 50% review.

7.0 Critical issues

The major critical is time to incorporate the VE changes.

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WEEKLY STATUS REPORT

April 16, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs has completed the Value Engineering session and is continuing to incorporate the changes. Because of the delay in starting the Value Engineering session and the extent of the changes, the Final Review has been moved to the 26th of April. Following the Review, Jacobs will pick up any changes and issue the final package to SLAC on the 3rd of May.

2.0 Activity this period.

Work this week was continues on up dating the design drawing changes from the Value Engineering Session. Jacob will start the QC process next week.

Sector 20 redesign is moving forward on the same schedule as the main project. Title I design will be submitted on the 26th of April for the final review.

The MMF design has started using building 81. Layouts are started and elevations will soon follow. Jacobs provided a cost estimate of the revised design this week.

3.0 Planned Activities for next period

For the next period, Jacobs will continue the development of the final layout design based on SLACs directions from the Value Engineering session and start the QA process checking. The cost estimate in Timberline format is being finalized for the final deliverable.

Jacobs will be finalizing floor plans for the Central Lab and Office Complex for review with SLAC next week. Jacobs has scheduled an over the shoulder review of the design in Cypress on the 19th and 20th of April.

Jacobs will continue work on the Sector 20 new building design. Jacobs is still work towards a 100% Design Review now scheduled for April 26th.

The MMF design work will continue towards a Mid-Project review on May 13th.

4.0 Overall Project Completion

The overall project is on the revised schedule for Final review on April 26th. The Project is about 90% with a planned completion of 91%. We have made up the lost in progress due to the new changes from the Value Engineering recommendation and changes.

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The Sector 20 project is at 85% complete with a planned completion of 85%. By adding extra staff for the last several weeks we will make our schedule for the design review.

The MMF is moving along well. Completion is at 18% with a planned completion of 18%.

5.0 Schedule

A Project Schedule is being tracked on a weekly basis. We have recovered the setback in schedule because of additional design changes for the VE session. The final Design Review has been moved to the 26th of April to give Jacobs a little (very little) more time to incorporate the VE changes. Final delivery of the design package is scheduled for May 3rd.

Sector 20 is on schedule for the 100% design review on April 26th.

The Title I design for the MMF 50% review is estimated for May 13th.

6.0 Action Items

See attached Action List

7.0 Critical issues

The major critical is time to incorporate the VE changes. Jacobs is working overtime to maintain the schedule.

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WEEKLY STATUS REPORT

April 23, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs has completed the Value Engineering session and is continuing to incorporate the changes. Because of the delay in starting the Value Engineering session and the extent of the changes, the Final Review has been moved to the 26th of April. Following the Review, Jacobs will pick up any changes and issue the final package to SLAC on the 3rd of May.

2.0 Activity this period.

Work this week has continued on updating the design drawing changes from the Value Engineering Session. Jacob has started the QC process for final review. An over the shoulder review was done by David Saenz on the 19th and 20th of April.

Sector 20 redesign is moving forward on the same schedule as the main project. Title I design will be submitted on the 26th of April for the final review. Work this week has been the QA review of the package.

The MMF design has started using building 81. Layouts continue looking at pre-fab design. Jacobs has been as to stop work on the detailed design and investigate going to a design build concept. Jacobs has started looking for qualified vendors that could supply the MMF on this basis.

3.0 Planned Activities for next period

For the next period, Jacobs attend the final Title I design review meeting. Following the meeting, Jacobs will pickup and comments and deliver the final Title I package and cost estimate.

Sector 20 will also be reviewed at the Title I design review meeting. Comments and the package will be picked up and the final Title I design package will be issued to SLAC along with the revised cost estimate.

The MMF design work will continue with working focusing on a Design Build package.

4.0 Overall Project Completion

The overall project is on the revised schedule for Final review on April 26th. The Project is about 95% with a planned completion of 95%. We have made up the lost in progress due to the new changes from the Value Engineering recommendation and changes.

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The Sector 20 project is at 95% complete with a planned completion of 95%.

The MMF is holding until a final direction is confirmed to a design build approach. Completion is at 20% with a planned completion of 25%.

5.0 Schedule

A Project Schedule is being tracked on a weekly basis. We have recovered the setback in schedule because of additional design changes for the VE session. The final Design Review has been moved to the 26th of April. Final delivery of the design package is scheduled for May 3rd.

Sector 20 is on schedule for the 100% design review on April 26th.

The Title I design for the MMF 50% review is on hold until the project direction is confirmed and a new schedule can be developed.

6.0 Action Items

See attached Action List

7.0 Critical issues

None

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WEEKLY STATUS REPORT

April 30, 2004

1.0 Overview

The Notice to proceed was received on January 13th, 2004. Jacobs is continuing to incorporate the final comments from the 100% Design Review. Jacobs will issue the final package to SLAC on the 3rd of May.

2.0 Activity this period.

Work this week has been to up date the design drawings from the comments on the 100% Design Review. Jacob has started the QC process for final review.

Sector 20 redesign is moving forward on the same schedule as the main project. Comments from the 100% Design Review are being incorporated. Work this week has been the QA review of the package.

The MMF design has started using building 81. Layouts continue looking at pre-fab design. Jacobs has been as to stop work on the detailed design and investigate going to a design build concept. Jacobs has started looking for qualified vendors that could supply the MMF on this basis.

3.0 Planned Activities for next period

For the next period be picking up any additional comments from the May 3rd drawing package and completing the Design Basis document after receipt of comments from the 100% Design Review. Jacobs will pickup and comments and deliver the final Title I package and cost estimate.

Sector 20 will work will be picking up any additional comments from the May 3rd design package. The final Title I design package will be issued to SLAC along with the revised cost estimate.

The MMF design work will continue with working focusing on a Design Build package.

4.0 Overall Project Completion

The Project is now 100% complete with a planned completion of 100%.

The Sector 20 project is also 100% complete with a planned completion of 100%.

The MMF is holding until a final direction is confirmed to go to a design build approach. Completion is at 20% with a planned completion of 25%.

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5.0 Schedule

The project has been completed as scheduled on May 3rd.

Sector 20 has been completed on the scheduled May 3rd delivery.

The Title I design for the MMF 50% review is on hold until the project direction is confirmed and a new schedule can be developed.

6.0 Action Items

See attached Action List

7.0 Critical issues

Jacobs needs the comments on the Design basis for the main project and Sector 20 by May 4th COB, to assure a package delivery of May 7th.