

**Structural FAC  
Teleconference Minutes  
13 December 2000**

**1. Participants:** Unfortunately members from the middle and southern Midwest states were unable to participate in this month's meeting because their districts shut down due to sever weather. The following members were able to participate in this month's meeting:

Lori Taylor (MVP)  
Ghassem Khosrownia (SPK)  
Clare VanDyke (SPK)  
Jeff Qunell (NWS)  
Don Cook (SAJ)  
Glenn Kato (NWS – Systems FAC representative)

**2. Team Members Changes:** Tom Tufts will be leaving the team. He has recently accepted a position with his district's Real Estate Division. Jim Bustos representing Ft. Worth District will be joining our team. The following is a list of the entire Structural FAC team as of the meeting date:

|                     |                       |
|---------------------|-----------------------|
| Jim Bruszewski      | Buffalo District      |
| Jim Bustos          | Ft. Worth District    |
| John Connor         | Kansas City District  |
| Don Cook            | Jacksonville District |
| John Dunford        | Baltimore District    |
| Ghassem Khosrownia  | Sacramento District   |
| Mark McVay          | Tulsa District        |
| Jeff Qunell         | Seattle District      |
| Cyndi Riley         | Little Rock District  |
| Lori Taylor (Chair) | St. Paul District     |
| Robert Tedrick      | Alaska District       |
| Clare VanDyke       | Sacramento District   |
| Diane Willis        | Chicago District      |

**3. Minutes:** No changes were formally made to the 11 October meeting minutes. However, it was erroneously reported in the minutes that Jim Bruszewski was interested in obtaining a program to calculate wind loads. For whoever it was that was interested, John Connor has a program "with all the bells and whistles" he is willing to share with whoever was interested.

**4. Future STFAC Meetings:** An A/E/C Conference is being held in Chicago 18-21 June 2001. I would like to hold a STFAC meeting(s) during this conference. Vendors from MicroStation and AutoCAD will be at the conference as well as other structural program vendors. Travel money will be available for travel costs, but individual districts will have to cover labor. In addition, the Bentley International User Conference (BIUC) will be held in Philadelphia toward the end of September 2001. This conference has many workshops related to MicroStation tool usage, updates, Triforma, and the latest and greatest Bentley and GeoPAK software. Next year's conference will also include workshops related to the Intergraph software Bentley recently acquired (IPLOT, Inroads/SelectCAD, and IRASB). The BIUC would only be of interest to MicroStation users, and unfortunately, the SAC will not be able to provide funds for this conference. For FY02, STFAC meetings will be held in conjunction with the CADD Symposium (held every two years) and the annual September BIUC. All of the conferences qualify as training, so members should try to get them included in this year's and future training plans. We have a total of \$8000 for meetings this year. This meeting time(s) will be used to address current issues and work on the Structural website, review/discuss the current A/E/C CADD Standard, and review and discuss structural details received from districts.

**5. December SAC/FAC Meeting:** Meetings were held with the SAC and FAC chairs 7-8 December. The following STFAC accomplishments were reported:

- a. Establishment of a POC list for all the Corps Districts.
- b. A new non-building structures and revised building level/layer tables.
- c. Additional structural cells relating to civil works type projects were submitted to the CADD/GIS Technology Center (CADD Center) for inclusion in their structural objects library.
- d. Additional structural line styles (MicroStation) were submitted for inclusion in the CADD Center's line style library.
- e. Structural details were requested from all the districts and to date, received from Ft. Worth, Galveston, Los Angeles, New England, New Orleans, Omaha and Wilmington districts. Funds are needed to convert details to conform to the A/E/C CADD Standard prior to submitting them to the CADD Center.
- f. Received website information from the Civil/Site FAC and will continue to work on the Structural website as time and funds permit.

Since the work of the Systems FAC (SFAC) affects all of the FACs, they will provide a representative to each of our FAC meetings.

Each FAC should come up with projects that can be accomplished quickly incase 4<sup>th</sup> quarter funding becomes available.

John Kincaid, SFAC chair, will put together a spreadsheet for POC's in each district for each FAC group. Each FAC group will then populate the spreadsheet as best they can. The SFAC will then contact the CADD administrator in each district to see if they can help fill in the blanks. This should help in providing POCs for districts which have not already confirmed their POC status.

A call will come out in February for FACs to submit projects to the CADD Center for FY02 funding. It is suggested that each FAC have another SAC/FAC review each project prior to submission. In addition, each FAC should hold a conference call with Jean McGinn (HQ) to make sure she understands the projects submitted prior to the Corporate Staff Meeting 17-18 July 2001. Projects are approved for funding at the Corporate Staff Meeting. Also, each project should include Jean's name as a proponent.

It is important that each FAC look at the Architecture 2000 (A2K). A2K was written by a contractor for IM. Preferred products are listed in the Technical Reference Guide portion of the website (I can't find the website...I think it was moved. If I find it, I will let you know so you can make necessary review). **District would have to apply for a waiver prior to purchasing software which is not listed as a preferred product.**

The SFAC has developed a plan for implementing the CADD Standards. Jacksonville volunteered to be the testing site for standards implementation. SFAC personnel will visit the district to train and help them implement the A/E/C CADD Standard. The goal is to train personnel which can then help other districts with implementation (train the trainers).

The CADD Center will work closely with the FAC Groups to resolve CADD Standard and Workspace issues.

**6. Structural Details:** The current CADD Center's Details Library will not run with MicroStation J. The CADD Center will be recompiling this program in the near future. These details can still be downloaded from a CD or the CADD Center's website at

[http://tsc.wes.army.mil/products/cadd\\_details/](http://tsc.wes.army.mil/products/cadd_details/) and referenced into drawings. Steve Spangler is checking into CADD Center funding for us to review and convert the structural details we have received from other districts.

**7. Structural Web Page:** Steve Spangler is checking to determine how much funding will be required by WES to establish our website.

**8. A/E/C CADD Standard Implementation:** Section 2, Drawing File Organization, Paragraph: Model Files and Sheet Files (page 8 of Release 1.8 of the A/E/C CADD Standard) requires border files to be placed at 1:1 and model files be referenced and scaled to fit the border. The preferred method for many districts is to reference the model file into the sheet file 1:1 and scale the border. With structural drawings containing more than one scale, the most commonly used scale on the sheet will determine the border size. Structural FAC Members and POC's will be surveyed to determine the preferred method.

The A/E/C CADD Standard requires sheet file numbers to be sequential. The SFAC is looking into modifying the File Manager, expanding the database to handle sheet numbers, plate numbers and title block info.

**9. MathCAD 2000 Applications:** According to Steve Spangler, the CADD Center would be happy to make MathCAD programs available on their website until we have our website up and running. Jeff Qunell has had some success linking design calculations in MathCAD to SmartSketch (formerly Imagineer).

**10. AutoCAD/MicroStation Translation Tables:** Translation tables were discussed. Ft. Worth may have tables already set up; however, new/revised structural levels would not be included. Sacramento District is holding a class on translating MicroStation to AutoCAD on 17 January 2001. Tuition will be \$400. If anyone is interested, please contact Ghassem Khosrownia.

**11. Structural Project Wish List:** FAC members are encouraged to make a wish list for future projects.

**12. AutoCAD:** Clare was able to contact John Dunford to discuss AutoCAD usage in their districts. Clare would like to get AutoCAD districts together to share information. This could be done in conjunction with the June A/E/C conference in Chicago.

Lori contacted Hai Lee, Mobil District's CADD Administrator. Mobil District just recently converted to a dual platform district utilizing both MicroStation and AutoCAD. Formerly AutoCAD was only used by the Mechanical and Electrical disciplines. They currently purchase LISP programs or utilize shareware available on the internet. Mobile District would be very interested in sharing information with other districts.

**13. Detail Bubbles:** Mike Watson (Memphis District) is currently working on a project which includes placing a detail bubble with tag data. Lori will contact Mike for further details and the project status.

**12. The Next Meeting** will be a conference call to be held on 10 January 2001 at 1:00 p.m. CDT. FAC members will be emailed with details.