



SUMMER MEETING (Parkside, Utah)
July 28 – August 1, 20215
Anchored Earth Retention Committee
MEETING AGENDA

1. Call to Order
2. Welcoming comments and introductions
3. Committee member sign-in sheet sent around the room
4. Safety Moment:
5. Approval of Previous Minutes (March 19, 2015 in San Antonio, TX):
6. Old Business:
 - a. Reports on Action Items
 - i. Tiedown design research (JG)
 - ii. Epoxy Coatings (MK)
 - iii. Soil Nail Manual update (JG)
 - iv. AER Inspector's Guide (TH)
 - v. AER safety Video (D. Thome, D. MacLean, G. Lewis, R. Marshall, and G. Sullivan)
7. New Business:
 - a. Action Items
 - i. AER Committee/DFI joint seminar at AMPIS (Sept. 2015)
 - ii. Compile and develop probabilistic formulation for Clough and O'Rourke's (1991) settlement versus height of cut chart (ME)
 - iii. 2016 Spring Seminar – *possibly in Calgary or Toronto*
 - b. Faculty Workshop (PH) *Need pledge funding for faculty workshop*
 - c. Joints – Soil Nail Wall Facings (PH)
 - i.
 - d. Future Research/Needs:
 - i.
8. Other:
9. Meeting Adjourned –



IFCEE

March 19, 2015

Anchored Earth Retention Committee

MEETING MINUTES

1. Call to Order
2. Welcoming comments and introductions
3. Committee member sign-in sheet sent around the room
4. Safety Moment: *Tom Richards. Walking to see exhibits with a coffee. Gets on escalator and reaches down to tie his shoe. Make sure to tie your shoes when you are not on the escalator.*
5. Approval of Previous Minutes (October 16 2014 in Dallas, TX): *Motion by D. MacLean, 2nd by G. Sullivan*
6. Old Business:
 - a. Reports on Action Items
 - i. Tiedown design research (JG) *Research on tiedown capacity. 3 to 6 anchors installed in fractured rock. There has been issues locking down a site for the installation and testing. Possibly use the AMPIS site (limestone, shallow blocky rock: looking for geotechnical information). Need to go back over the proposal given the changes in who will install, review, synthesize, etc. Need to lock in a contractor. Need to address any safety issues if anchor is to be “failed.” Target Resolution by April 19, 2015.*
 - ii. Epoxy Coatings (MK) *Revised proposal submitted with reduced amount of testing, clarify the in-kind contributions. Goals to prepare an article for “Foundation Drilling.” Once approved, 12 months for completion of testing and reporting. Motion by G. Sullivan to approve, 2nd by D. Thome. PROPOSAL APPROVED.*
 - iii. Soil Nail Manual update (JG) *Completed and awaiting FHWA approval*
 - iv. AER Inspector’s Guide (TH) *Behind on micropile side, which will be basis for developing AER. Should be back on track by summer meeting. It will be two separate documents. Agreed to get the micropile draft finished first.*
 - v. AER safety Video (D. Thome, D. MacLean, G. Lewis, R. Marshall, and G. Sullivan) *Need to assemble additional information to address funding video.*
7. New Business:
 - a. Action Items
 - i. AER Committee/DFI joint seminar at AMPIS (Sept. 2015) *Andy Burns gave update. Positive feedback from local consultants. Possibly NE Chapter will handle the event. Andy questioned if the intent was to test to failure. Andy Baxter reminded that ACOE spec requires 7 days. Grout should also be a ‘basic’ grout without use of additives.*

- b. Future Research/Needs:
 - i. ~~LRFD AER design ~ \$14k ...~~
 - ii. Compile and develop probabilistic formulation for Clough and O'Rourke's (1991) settlement versus height of cut chart (ME) *Prepare a literature review, collect preliminary case histories, develop research proposal. Engage student from VT and promote at CGPR.*
 - iii. 2016 Spring Seminar – *possibly in Calgary or Toronto*
- 8. Other:
 - a. Faculty Workshop (PH) *Need pledge funding for faculty workshop*
 - b. Joints – Soil Nail Wall Facings *Peggy to develop an article.*
 - c. AER Committee – *Jesus Gomez at end of chair term. Ken Chadwick voted as new chair. Morgan Eddy moves to co-chair. Andy Baxter is new secretary.*
- 9. Meeting Adjourned –



2015 ADSC Summer Meeting
The Canyons Resort, Park City, Utah
Wednesday, July 29, 2015 4:00 – 5:00PM
Associate Members Committee
Agenda

- 1) Call to Order**
- 2) Welcoming comments and introductions**
- 3) Committee member sign-in sheet sent around the room.**
- 4) Safety Moment:**
- 5) Approval of Previous Minutes from 2015 IFCEE Meeting:**
- 6) Old Business:**
 - a. Spotlight on Equipment Articles**
 - i. JULY – Watson**
 - ii. AUGUST/SEPTEMBER – Bay Shore**
 - iii. OCTOBER - CZM**
 - iv. NOVEMBER/DECEMBER – Article needed**
 - v. JANUARY 2016 – Article needed**
 - vi. FEBRUARY/MARCH 2016– Article needed**
 - vii. APRIL 2016 – Article Needed**
 - viii. May/June 2016 – Article Needed**
 - ix. July 2016 – Article Needed**

Note: Articles are due on the 10th of the month prior to publication month

- b. Product Presentations for 2015 Summer Meeting – Lunch and Learn Product Presentation Format.**
 - i. Casagrande**
 - ii. Watson**
 - iii. Williams**
 - iv. Benesch Law (Rick Kalson)**
 - v. Backup CETCO**

Note: Presenters to bring \$100 raffle prize.

Product Presentations for 2016 Annual Meeting – Lunch and Learn Product Presentation Format.

i.

ii.

iii.

iv.

Back Up:

c. **Expo 2015 Post Mortem**

d. **Expo 2018 Update**

e. **Anchor Rig Feed Chain Safety Task Force**

f. **Rental Task Force**

g. **Faculty Workshop Fundraising**

7) New Business:

Regulatory/Technology Update

ADSC Advertising Opportunities - Contact: Jan Hall at jhall@adsc-iafd.com

September 13-19, 2015 **ADSC AMPIS**

Sponsorships, Equipment, Tooling

September 15-16

ADSC/DFI Micropile & Anchored Earth Retention Design & Construction Seminar, including Exhibits

October 21-23, 2015

Board of Directors Meeting
Sponsorships

June 5-10, 2016

Civil Engineering Workshop
Sponsorships

2015/2016 Foundation Drilling Magazine Advertising

2015/2016 Website Advertising

2016 Membership Directory

8) Adjourn Meeting



2015 ADSC IFCEE Meeting
JW Marriott San Antonio Hill Country Resort and Spa
Tuesday, March 17, 2015 9:00AM – 10:00AM
Associate Members Committee
Minutes

- 1) **Call to Order** Meeting called to order by Chairman, Roy Kern.
- 2) **Welcoming comments and introductions** Roy thanked all for attitude of cooperation and helpfulness during IFCEE move-in and set-up
- 3) **Committee member sign-in sheet sent around the room.**
- 4) **Safety Moment:** A light pole was knocked down during move-in....accidents like this occur whether by operator error or misunderstanding/mis-communications. It's critical that we anticipate potential problems. In this case, keeping everyone out of the radius of harms way.
- 5) **Approval of Previous Minutes from 2014 Fall Meeting:** Approved.
- 6) **Old Business:**
 - a. **Spotlight on Equipment Articles**
 - i. **FEBRUARY/MARCH 2015 – Soilmec North American**
 - ii. **APRIL – Control Chemical**
 - iii. **MAY/JUNE – DRILLTOOLS**
 - iv. **JULY – Watson**
 - v. **AUGUST/SEPTEMBER – Bay Shore**
 - vi. **OCTOBER - CZM**
 - vii. **NOVEMBER/DECEMBER – TBD at Summer Meeting in August**

Note: Articles are due on the 10th of the month prior to publication month
 - b. **Product Presentations for 2014 Summer Meeting – Lunch and Learn Product Presentation Format.**
 - i. **Casagrande**
 - ii. **Watson**
 - iii. **Williams**
 - iv. **Rick Kalson**

v. Backup CETCO

Note: Presenters to bring \$100 raffle prize.

- c. Expo 2015 Issues?** None
- d. Expo 2018 Update** None
- e. Anchor Rig Feed Chain Safety Task Force** None
- f. Rental Task Force** Rick Kalson busy getting By-law changes ready. Roy to send email out and ask task force members again for their rental contract info.
- g. Peggy** Looking for equipment advancements and developments at IFCEE to put into Magazine.
- h. Faculty Workshop Fundraising** Ongoing. Reminder to all Associates to pledge \$1000.
- i. Elections – Pass out ballots and vote for Associate Members Chairman** Roy Kern re-elected at Associate Members Chairman for another 3 year term.

7) New Business:

Regulatory/Technology Update New regs on small diameter rigs for Europe. ADSC task force to investigate and report back to members.

ADSC Advertising Opportunities - Contact: Jan Hall at jhall@adsc-iafd.com

July 28-August 1, 2015 **ADSC Summer Meeting**
Park City, UT Sponsorships

September 13-19, 2015 **ADSC AMPIS**
Sponsorships, Equipment, Tooling

October 21-23, 2015 **Board of Directors Meeting**
Sponsorships

*Note: Pending... Drilled Shaft Seminar & AER/MP Seminar in 2015. If approved exhibit space & sponsorships will be available.

June 5-10, 2016 **Civil Engineering Workshop**
Sponsorships

2015/2016 Foundation Drilling Magazine Advertising
2015/2016 Website Advertising

8) Adjourn Meeting Meeting Adjourned. Have a good IFCEE show !!!!

ADSC Chapter Presidents Council
Summer Meeting 2015
Canyons Resort – Park City, Utah
Thursday, July 30, 5:15pm-6:15pm

AGENDA

- | | |
|---|--------------------|
| 1. Welcome and Introductions | Witherspoon |
| 2. Old Business | |
| a. Calendar Coordination | Moore |
| b. Education SOP's (current and future) | Moore |
| c. Recruitment – Membership & Leadership | Moore |
| d. Chapter Discussion | Chapter Presidents |
| 1) Chapter Challenges | |
| 2) Education and Training Status | |
| 3) Student Chapter Status | |
| 4) Alliances | |
| 5) DOT Chapter Task Forces – where are we at? | |
| a. New task forces in place? | |
| e. Needs from National | Smith |
| 4. New Business | |
| a. The Center for Drilled Shaft Engineering | Rasband |
| b. Faculty Workshop 2016 | Long |
| c. Fundraising | Kitchens |
| b. Other | Witherspoon |



Summer Meeting 2015
Park City, Utah
July 30, 2015

Drilled Shaft Committee Meeting

Agenda

- **10:30 Meeting called to order:**
 - a) Chairman: Bo Walker of Texas Shafts, joined by Vice-Chair: Lance Kitchens of Russo and Secretary Ray Fassett of Condon-Johnson.

- **Welcoming Comments and Member Recognition** B. Walker
 - a) Attendance recorded by Ray Fassett accordingly: Approximately ____ in attendance.

- **Approval of Previous Minutes** B. Walker
 - b) Motion to approve minutes as written, made by _____ and seconded accordingly by _____ and approved unanimously.

- **Task Force Reports (Items ongoing)**
 - a) Safety Items R. Marshall
 - i)
 - **Update:**

 - b) Quality Items
 - i) ACI 336 Committee oversees four (4) separate sections: B. Hertlein
336.1R, 336.2R, 336.3R and 336.4R. 336.1R and 336.3R are directly related to the ADSC Drilled shaft work.
 - **Update:**

 - ii) Secant / Tangent Pile Wall Specifications T. Armour
(Task Force: Ray Fassett, Terry Holman, Tony Marinucci, Tom Witherspoon, Bernie Hertlien)
 - **Update:**

c) Production

i) Sub-Committee on Engineering and Design

R. Fassett

Testing program for a small diameter pier and extrapolate load data for a larger pier
(Task force: Terry Holman, Jesus Gomez, Anna Sellountou, Tony Marinucci, Lance Kitchens, and Peggy Haggerty)

- **Update:**

ii) FHWA Base Grouting Project

P. Hagerty

- **Update:**

11:30 Break for President's Awards Luncheon:

iii) Load Test Program, Dr. Coffman, University of Arkansas

Dr. Coffman

- **Update:**

iv) Dr. Lemnitzer's Proposal University of CA @ Irvine

L. Kitchens

- **Update:**

v) Luke Schuler's research proposal

L. Schuler

- **Update:**

d) Seminars

i) 2016 Faculty Workshop

Bruce Long

- **Update:**

• **Old Business**

a) Alberta Canada: Distant Learning Program -Trade College:
Proposal for drill rig operator training program.

K. Sharp

- **Update:**

b) PDCA: Internal Review Committee for suggested code revisions with
IBC1810.3.9.6 and IBC1810.4.9

L. Kitchens

- **Update:**

• **New Business**

a) Tremie placed concrete study in Europe

D. Brown

b) DOT Prequalification

R. Fassett

• **Meeting Adjourned:**



Annual BOD Meeting / IFCEE 2015

San Antonio, TX. March 18, 2015

Drilled Shaft Committee Meeting

MEETING MINUTES

- **1:00 Meeting called to order:**

- a) Chairman: Bo Walker of Texas Shafts, joined by Vice-Chair: Lance Kitchens of Russo and Secretary Ray Fassett of Condon-Johnson.

- **Welcoming Comments and Member Recognition**

B. Walker

- a) Intro. Open committee, please offer comments. Noted it takes 3 meetings in a year to be a committee member.
- b) Attendance recorded by Ray Fassett accordingly: Approximately 77 in attendance.

- **Approval of Previous Minutes**

B. Walker

- a) Motion to approve minutes as written, made by Greg Lewis and seconded accordingly by Tom Wark and approved unanimously.

- **Task Force Reports (Items ongoing)**

- a) Safety Items

R. Marshall

- i) Drilled Shaft Safety Video.

- **Update:** Completed and available for purchase.

- ii) Working Platforms: Looking for contractor assistance to demand safe, engineered access platforms.

- OSHA has a statute for cranes but not drill rigs.
- White paper should be written on minimum requirements.
- Specify regulation # for cranes in proposals.

- b) Quality Items

- i) ACI 336 Committee oversees four (4) separate sections:

336.1R, 336.2R, 336.3R and 336.4R. 336.1R and 336.3R are directly related to the ADSC Drilled shaft work.

- **Update:** Progressing well 336.3R is going to TACT. 336.1 needs work.

B. Hertlein
Schuler

- ii) Secant / Tangent Pile Wall Specifications

(Task Force: Ray Fassett, Terry Holman, Tony Marinucci, Tom Witherspoon, Bernie Hertlien)

- **Update:** Waiting on Task Force comments. Planning on rolling out for summer.

T. Armour

c) Production

- i) Sub-Committee on Marketing J. Tippet
 - **Update:** Sunsetting Sub-Committee. J. Tippet requested to step down in October 2014.
- ii) Sub-Committee on Engineering and Design R. Fassett / A. Sellountou
 - **Update:** Small diameter. See vii) below.
- iii) FHWA Base Grouting Project P. Hagerty
 - **Update:** Ph. 1: Report was completed, state of the practice document.
Ph. 2: Testing – drilling occurred at college station. Ground water encountered at site. Drilling discontinued.
Acknowledged: Tom Armour, Skyline Steel, Williams Forms, Load Test, AH Beck, Univ. MO, Texas A&M, CH Robinson
- iv) Load Test Program, Dr. Coffman, University of Arkansas Dr. Coffman
 - **Update:** 9 shafts, 9 tests – statewide data set. Resistance Factors established. State has accepted. Drilled shaft projects coming out. Presenting to Arkansas in May 2015. Anomalies in pile but capacity was still met with some additional movement. Going back to site to use blasting to induce liquefaction to see what it does to capacity. Lateral loading test to follow at all locations. Last 4 months there have been more DOT shaft jobs LET.
- v) Dr. Lemnitzer's Proposal University of CA @ Irvine L. Schuler
 - **Update:** Up and running. Presented to European Community. Expanding. DFI Magazine article, DFI annual meeting. Lateral Load Test: findapile.com. Looking for additional data to include on website.
- vi) Luke Schuler's research T. Witherspoon
 - **Update:** State of Texas pulled his permit last year. Working on getting it back. Starting next month hopefully. Work completed in June? Static load test on drilled shafts compared to Augercast Pile in same formation.
- vii) Testing program for a small diameter pier and extrapolate load data for a larger pier (*Task force: Terry Holman, Jesus Gomez, Anna Sellountou, Tony Marinucci, Lance Kitchens, and Peggy Haggerty*)
 - **Update:** Conference call back in November. Peggy Hagerty proposed test programs from consultants – static and dynamic testing in addition to GRL.

d) Seminars

- i) 2016 Faculty Workshop Bruce Long
 - **Update:** Last in 2008 30-40 professors. Field Day. Need money. Sending emails. Will call if necessary.

- **Old Business**

- a) Alberta Canada: Distant Learning Program -Trade College: K. Sharp
Proposal for drill rig operator training program.
 - **Update:** Received Budget/Contract. Needs more review with Trade College.
- b) PDCA: Internal Review Committee for suggested code revisions. P. Hagerty
 - **Update:** Dale Biggers with PDCA. 2 – sections. Need to circulate for review. Anna – IBC Code 2018 Deep foundations. Drilled shaft portion ADSC Input.

- **New Business**

- a) Election of New Officer (s)
 - i) Interested in Chairman Position – Bo Walker / Ray Fassett. Need to have attended this meeting and 2 of last 3 meetings: Spring or Fall + Summer to be a voting member. Vote was held by President Al Rasband
RESULTS:
 - Bo Walker, Chair
 - Lance – Co-Chair
 - Ray – Secretary
- b) Center for Drilled Shaft Engineering B. Walker / D. Brown
 - i) Discussed idea with Mike Moore. Mike has assembled a group of prominent practitioners in January 2015.
 - ii) Mike Moore: Probable game changer: Business relationship with Dan Brown & Associates and ADSC.
 - iii) Dan Brown: Good cross section of practitioners. Consensus: many problems in design came down to lack of training, most of what is learned after college.
 - iv) Best practices for design and drilled shafts – Dan Brown
 - v) Design practices for everything other than bridge design
 - vi) Need to come up with a plan between now and summer
 - vii) Bo: Proposed to Sunset Marketing Committee – approved
 - viii) Dan Brown & Assoc. – contributing in-kind
 - ix) Stand alone detached from ADSC due to funding
 - x) Kevin Sharpe: Add Canadian designers – good point
 - xi) By summer it will be a plan
- c) ADSC Mitigation Plan – available on website

- **Meeting Adjourned:**

ADSC Education Committee Meeting Agenda
July 31, 2015 – Park City, Utah

Welcome and Introduction:

Review and Approval of Prior Meeting Minutes:

- 1) Driller Certification Program**
 - a. Final draft is prepared for review of the Board of Directors
 - b. An application form and process needs to be addressed
 - c. Written and Practical Evaluation process
 - i. Test questions
 - ii. Qualify evaluators

- 2) AMPIS 2015:**
 - a. Location Prospect Park, New Jersey
 - b. Motel –Holiday Inn – Totowa, NJ
 - c. September 13-18, 2015
 - d. Mike Abruzzo – Champion – 5 rigs and grout plant
 - e. Moretrench - field support
 - f. Seminar attendee to tour AMPIS field site

- 3) AER/MP Seminar**
 - a. Hosted by DFI

- 4) Faculty Workshop June 5-10, 2016 - Allen Cadden**
 - a. Details from earlier meeting

- 5) DROS 2016**
 - a. Location
 - b. Dates

New Business

Adjournment



2015 ADSC Summer Meeting
Governance Committee Meeting Agenda

1. Call to Order
2. Welcoming Comments
3. Committee Member Sign in Sheet is Distributed
4. Safety Moment
5. Approval of Meeting Minutes from IFCEE 2015/ADSC Annual Meeting VOTE
6. Old Business
 - a. Bylaws VOTE
7. New Business
8. Adjourn

**2015 Spring Meeting - IFCEE
San Antonio, TX
Governance Committee Meeting Minutes
March 20, 2015**

- 1) The meeting was called to order by Chairman Rick Kalson at 10.31 AM.
- 2) The committee member sign-in sheet was distributed to those present.
- 3) To accommodate those present who had conflicting IFCEE obligations, Chairman Kalson dispensed with welcoming comments and introductions, and moved directly to the business of the meeting.
- 4) Safety Moment: There were no volunteers for a safety minute.
- 5) The minutes of the October 16, 2014 meeting in Dallas were approved unanimously.
- 6) Old Business: Revisions to National Bylaws
 - a. M. McDermott reminded the committee that at the Fall meeting the board decided not to deal with the proposed bylaw changes at the IFCEE meeting.
 - b. M. Moore informed the board would be returning the bylaws to the Governance Committee for further revision to clarify the attendance requirement for earning and maintaining voting membership.

The committee discussed the vote qualification issue, and agreed that the paper sign-in sheet would be more useful to committee chairs when determining attendee voting status if it listed the last five meetings.

- 7) New Business:
 - a. The Carolinas Chapter has proposed a bylaw change to increase the number of chapter board members from five to seven. M. McDermott made a motion to approve the bylaw proposal, seconded by D. MacLean. Motion was unanimously approved.
 - b. R. Kalson's term as committee chairman expired at this meeting. He announced his wish to continue as chairman, and there were no other candidates. In a ballot supervised by R. Kern, R. Kalson was unanimously re-elected as Governance Committee chairman
- 8) Meeting Adjourned at 10.58 AM.



Summer Meeting 2015
Park City, Utah
Friday, July 31 – 3:00pm-4:00pm

Industry Advancement Steering Committee

Agenda

Call to Order

- Opening Comments
- Approval of Minutes

Rasband

Rasband

Women's Association

K. Kalson

IAF

Faculty WS '16 Fund Raising

Melcher

Matthews

Scholarship Chairman Report

Kitchens

Fundraising Chairman Update

Kitchens

Research Chairman Report

MacLean

- Updated Forecast
- Status of Current Research

Research Reports

- Anchored Earth Retention
- Drilled Shaft
- Micropile

Gomez

Walker

Sullivan

Old Business

New Business



**Summer Meeting 2015
Park City, Utah
July 30, 2015
Membership Council Agenda**

- 1) Call to Order:**
- 2) Welcoming comments and introductions.**
 - a. Cell phone reminder**
 - b. Sign in sheet**
 - c. Introductions**
- 3) Approval of previous minutes**
- 4) Safety Moment**
- 5) Old Business**
 - a. Chapter Playbook**
 - b. New attendees:** Are the chapter presidents getting a list of new attendees in advance of the meeting as planned?
- 6) New Business**
 - a. Membership statistics- B.D. Smith**
 - b. Women in Construction Outreach**
 - c. What can the council do to help National drum up new members?**



**Winter/Spring 2015 BOD Meeting
San Antonio, TX
March 19, 2015
Membership Council**

1) Call to Order:

- a. Chairman, Jim Tippet, Bay Shore Systems called the meeting to order.

2) Welcoming comments and introductions.

3) Committee member sign-in sheet sent around the room. *Copy attached to these minutes.*

4) Safety Moment: Rigging is an important part of our work, make sure inspections are done prior to use and always use softeners on sharp edges and corners.

5) Approval of Previous Minutes:

- a. *The approval of the last meeting minutes motion put forth by the chairman.*
- b. *Motion acknowledged by D. Maclean*
- c. *Motion Seconded by T. Baehr*
- d. *Discussion.*
- e. *Vote-Unanimous yea*
- f. *Minutes Approved.*
- g. *Approved minutes signed.*

6) Old Business:

a. Chapter Playbook

- i. IFCEE deadline for a completed chapter playbook was missed. In its current state the book is very voluminous and needs to be pared down and or consolidated into a working draft.

- 1. The old by-laws also need to be updated in the book.

b. Chapter council president tie in is essential to getting this done.

7) New Business

a. Membership update- B.D. Smith

- 1. 12 Drops all T/A (60% of drops no longer in existence)
 - 2. Contractors 3 in 4 out
 - 3. Associates + 4

- 4. 11 new applications pending
- b. Election of new Membership Council Chairman**
 - i. Greg Lewis to assume role of chairman
- c.** Question arose during the meetings as to the eligibility of voting members.
 - i. Dan Maclean to raise the issue at the governance committee.
- d.** Membership committee to establish an Outreach to Women in Construction
 - i. Invite Peggy Haggerty- Duffy to our next meeting

Meeting adjourned

K. Sharpe

D. Maclean



IFCEE
San Antonio, TX
March 17, 2015, 1400-1600
ADSC-DFI Joint Micropile Committee
MEETING MINUTES

- 1) Meeting Called to Order at 1404 (GS)
- 2) Welcoming comments and introductions (GS)
- 3) Committee member sign-in sheet sent around the room.
- 4) Safety Moment: Al Rasband – Shop safety is the same as jobsite safety.
- 5) Approval of Previous Minutes from 10/21/2014 meeting, Atlanta, GA – 1st Dan Maclean; 2nd Tom Printz; motion passed
- 6) ISM Report – Jim Bruce not present; expected next IWM is between Feb. to July 2016 with likely locations either Australia or Vancouver. A meeting will be held soon to coordinate.
- 7) ADSC IASC Report
 - a. Jesus Gomez – Micropile Connection Research Report Translation – Translation is complete and final review is being completed by Helen Robinson.
- 8) Old Business:
 - a. Seminars, Workshops, Educational Events
 - i. Recent Past
 1. Western Canadian Chapter Micropile Seminar, 2/19/2015 – excellent event, well attended.
 - ii. Upcoming
 1. AMPIS Sept. 13-18, 2015, Prospect Park, NJ – Possible Engineer's program being considered; restart of AER pullout testing program is possible (must bring back up to the IASC)
 2. Faculty Workshop, 2016 – Planning and fundraising are in progress. TPH and JG are leads for Micropile Cmte. Coordination meeting held on 12/2/2014 at ADSC office (AWC, Dan Brown, JG, PH, Tracy Brettman, LK, Jan Hall, Mike Moore)

- b. DFI Europe Update (JW) – Trying to start its own micropile committee to gain traction in Europe. Mark Hinton (Atkins) will lead the committee. Events and meetings are behind schedule.
- c. ADSC/DFI Micropile Guide Specifications (JB) – Document is ready for DFI TAC review.
- d. IBC 2018 Building Code Topics (TDR, JW) – GeoCoalition meeting was held in the morning of 3/17. Work on code change justifications is ongoing; TPH handling micropile drafts. Results of 3/17 meeting were that 3 inch eccentric loading requirement in upper 10 ft of piles was eliminated (suggested change, not approved)
- e. Status of DFI Committee Research Fund “Literature Study of Reticulated Micropile Group Design and Construction Projects,” by Dr. James Mason (JB) – Provided background to Thomas Herbst reference list; database development is 65% complete (paper review portion); expected completion in June 2015..
- f. Micropile Inspection Guide (TPH) – Schedule slipped. We will restart draft and have ready for summer meeting. TPH will separately reconvene task force to make progress.
- g. New Committee Members (GS, TPH) – none to report
- h. DFI Committee Project submissions (JW) – Due approx.12/1/2015. Discussion was on need to develop proposal ideas during summer for final voting at fall DFI meeting in Oakland, CA.
- i. CRSI Pile Cap Design Document (TPH) – Document on sale at IFCEE at DFI Bookstore. Tim Mays (Citadel) will be speaking at SuperPile in Orlando to discuss the design manual.
- j. Proposed future research
 - i. Plunge Length White Paper - (TA) – Paper to be submitted at ADSC Summer Meeting.
 - ii. Micropile Connections in General (5 yr plan – existing, new, bending)
 - 1. Connections to Existing Foundations (Portuguese work translation is done)
 - 2. Tension and Compression Anchorage and Bearing Plates – some interest registered for this; do we need a task force and do we need to involve a university with physical testing. TPH, JB, Matt Niermann, JW, TDR, JG, Ron Thomas volunteered.
 - iii. Grout Testing (JB) – expect to submit proposal eventually.

- k. ADSC Small Diameter Safety Video – Bill Hagstotz discussed need for more projects in US and Canada. GS recommended announcements to be made in Chapter President's Meeting. All are encouraged to go see the Drilled Shaft video being played in the ADSC booth.
- l. Spindle Guards – Scott Tunison (Crux) provided white paper on topic, summary of current state of practice. Al Rasband reported on recent fatality on tieback drilling job for a small company. What is our industry stance? Can we implement this in our safety video? Mike Moore suggested it was appropriate to put this topic to Safety and Associates Committees, AER Committee, and DFI T&SN Committee as well.

9) New Business:

- a. Vote for ADSC-side committee co-chairperson – Dan Thome and Terry Holman nominated. Al Rasband conducted vote by paper ballot with confirmed ADSC committee members eligible to vote. Terry Holman is the new co-chairperson.
- b. Secretary – Charles Braun
- c. Dan Thome nominated for DFI Vice-Chair
- d. Next Committee Meeting, Summer Meeting, Park City, ID, July 30, 2015 (?)
- e. A-Wall Research – DFI approved research. Erik Loehr leading.
- f. Thanks to Greg Sullivan for his years of service as the ADSC co-chair!

10) Adjournment at 1531



**Sumer Meeting
Park City, Utah
July 30, 2015
Safety Committee Agenda**

- 1) Call to Order:**
 - a. Chairman, Rick Marshall
- 2) Welcoming comments and introductions**
- 3) Committee member sign-in sheet sent around the room.**
- 4) Safety Moment:**
- 5) Approval of Previous Minutes:**
 - a. *The approval of the last meeting minutes is done by MOTION.*
 - b. *Motion to approve by*
 - c. *Motion Seconded by*
 - d. *Any discussion*
 - e. *Vote to approve*
 - f. *Approved minutes signed by Secretary*
- 6) Old Business:**
 - a. **2015 IFCEE**
 - i. Safety short course went well, was attended by 13 people.
Any feedback?
 - b. **Silica and the Proposed OSHA Standard**
 - i. No movement on the new proposed standard to date but it should be noted that silica exposure is still a national emphasis program and the current standard is still very much and OSHA inspectors are under a directive to stop and inspect if they see visible dust being generated on construction sites.
Looking to suppliers for any type of dust control products that would serve our needs – any updates?
 - c. **Foundation Drill Rig Operator Certification**
 - i. Task force is in place and very active.
 - ii. A draft set of minimum criteria for "certification" has been established.

7) New Business:

a. Anchored Earth Micro Pile Safety Video:

- i. Bill has traveled to WY, MT, NYC, near Pgh, WV, & WI taking photos and video of various micro pile / anchored earth / shotcrete projects. He has returned home to sort and compile his images ó possible mini presentation at this event. Bill will be making another probable trip down the West Coast, heading to Texas and on to the South East / Mid Atlantic / Ohio Valley chapter areas ó depending on weather, and existing content so far.

b. Machine Guarding of Rotating Parts:

- i. Where do we go with this technology? There were several examples of the machine guarding applications in the outdoor expo area.
- ii. The micro pile committee will further discuss and offer guidance to members in this area.
- iii. The UK regulation regarding machine guarding will be researched as to its applicability to the industry in the US and Canada.

c. Working Platforms:

- i. Look deeply into the manufactures specs with regards to proper loading and foot print for the individual rigs.
- ii. Western Canadian Chapter is actively working on this issue with the Canadian Standards Association. They are closely reviewing the ANSI A10.23-2014 "Safety Requirements for the Installation of Drilled Shafts" to incorporate it into their standard development.

Any update on the CSA Standards?

d. New OSHA Confined Space for Construction:

- i. Goes into effect August 3, 2015
- ii. SE Chapter is working on reviewing existing ADSC reference material and suggesting possible additions, in an effort to keep it in compliance.

e. OSHA Alliance

- i. The West Coast Chapter has re-signed their alliance with OSHA Region X

f. Fall Zone Issues

- i. Has anyone experienced an issue with OSHA regarding an alleged violation of a fall zone when using a crane? *(Fall zone means the area (including but not limited to the area directly beneath the load) in which it is reasonably foreseeable that partially or completely suspended materials could fall in the event of an accident.)*

g. Any other New Business?

8) Meeting Adjourned: