

AASHTO Subcommittee on Right of Way, Utilities and Outdoor Advertising
Technical Council for Utility Mapping, SUE, and GIS
January 29, 2014

First Meeting of reorganization: 12:30-1:30 PM EST. Teleconference
Facilitator: Technical Council Chair

John Krause, PSM -State Surveyor, Florida Department of Transportation

Agenda Items:

1) Introduction and Technical Council Objectives

John Krause welcomed everyone and stated we would give time for everyone to dial into the conference call, taking roll at about 12:35.

2) Roll call: (12:35)

a. Members

Bruce Bradley	FHA Office of Real Estate Services
Bryan Bradley	Iowa DOT
Frank Eich	SD DOT
Eddie Garcia	TX DOT
John Krause	FL DOT
Raymond Chandler	GA DOT (Ray permanently replaces Jun Birnkammer)
Keri Bohlmann	WY DOT
Levi Briggs	SD DOT
Matt Reynolds	VDOT
Nelson Smith	Maryland State Highway Administration
Nick Lefke	Michigan DOT
Paul Saucedo	NV DOT
Rhonda Wiest	WA DOT

b. Friends of the Council

Cesar Quiroga	Texas A&M
Darryll DeMarsh	Southeastern Surveying
David Cole	So-Deep, Inc
Douglas Brown	McKim & Creed
Edgar Kraus	Texas Transportation Institute
Gary Young	Underground Imaging Technologies
John Midyette	InfraMap Corp.
Tom Swafford	Utility Mapping Services, Inc.

c. Also in attendance

Greta Smith	AASHTO
Holly Smith & Steve Merrill	NV DOT
James Griffith	FDOT
Brian Martin	FDOT
April _ & 3 others	TN DOT

3) Request for Vice Chair (Members) (12:39)

John Krause stated the minutes from this meeting and the last meeting would be posted to the AASHTO website.

John Krause discussed with Greta Smith what Charles Schmidt's official title within this group was. They discussed the changes to the bylaws. Nelson Smith discussed Charles Schmidt's position on a regulatory sub-committee, as well as stating the proposed bylaws changes had not yet been approved by AASHTO. John Krause announced to the group, that if there was any interest by any of the members to serve as a Vice Chair, to email him directly and he would pass along the information to Greta Smith.

John Krause discussed efforts of the ASCE committee, which he is a part of, and how the committee will be speaking/presenting at several upcoming conferences.

Nelson Smith stated he set aside time and a room at an upcoming conference, after the general session, for the ASCE committee.

John Krause called for any attendees present on the conference call, not announced at roll call. Holly Smith and Steve Merrill from Nevada DOT announced themselves. April from the Tennessee DOT stated she and 3 others were online.

4) Open Discussion on Issues, Interests, and Ideas (The 3 I's)

a. SUE (12:47)

John Krause opened the floor for any discussion on SUE.

David Cole discussed his concerns with specific horizontal tolerances in quality level B that don't fit the definition. He continued the discussion on specific positioning and stated tolerances by some DOTs.

John Krause spoke to the DOT's approach in approximations and tolerances. He agreed with the numeric definition being in place. There was a discussion between John and Nelson on tolerance definitions.

John Krause asked if any other DOTs have the language in tolerances in contracting. Raymond Chandler stated GDOT did. There was a discussion about approximations only being as good as the equipment you have.

David Cole spoke to contracts having requirements for survey portions, as well as marking and liability insurance issues.

There was a discussion on the spirit of quality level B in contractual documents.

There was a discussion on the line representation of utilities on maps.

John Krause discussed the need for continued community education to providers and users of the different quality levels.

There was a discussion of 38.14 from ASCE.

Nelson Smith announced his departure from the call. (12:59)

John Midyette spoke to his online research of Florida's scope of services requirements, and how FDOT does indeed have tolerances in their scope of services defined for utility designating.

John Krause discussed how FDOT's contracts come out of its utilities office.

b. Utility Mapping (1:02)

John Krause opened the floor for any discussion on utility mapping.

Cesar Quiroga discussed an ongoing project looking at the feasibility in using 3D with utilities. He anticipates their project finishing up in August and they will document their findings.

John Midyette stated he had seen a presentation of Cesar's. John discussed the problems with 3D modeling and how without ground penetrating radar, they can only be verified at test holes, point to point connections and information provided. John shared his concerns about the current practices with 3D modeling.

John Krause spoke on FDOT's effort in 3D modeling. He stated changes were coming in CADD that would be Feature Based. John discussed clash detection as well.

Cesar discussed the concerns as well as his examination of the current best practices. Cesar continued to discuss the development and improvement to 3D sub-surface mapping. Cesar also noted they are working with identifying data and how to use the data provided to the end user.

There was a discussion on the future of utilities in 3D design.

David Cole also voiced his concerns with 3D modeling. There was a discussion on Bentley's changes to make all in map feature based. There was a continued discussion on clash detection.

Cesar Quiroga discussed clash detection in the CADD industry, as well as the identification of risk.

John Krause spoke to the standards and guidelines with the best practices in permitted utilities in the R/W. John acknowledged the differences between States. He also discussed the differences in risk in utilities; i.e. gas versus cable tv.

c. GIS (1:16)

John Krause opened the floor for any discussion on GIS issues.

Paul Saucedo, with the Nevada DOT, discussed the last meeting minutes regarding utility layer development. Steve Merrill, also with the Nevada DOT, stated they followed the Canadian example. Steve discussed new survey grade utilities, and once it goes into Microstation, they only read on part of the information from the data collectors. Apparently in the future Microstation hopes the program will read more of the data.

John Krause inquired as to what projects Nevada was working with this. Steve Merrill answered with new facilities and relocation of existing utilities, and will be required of the permittee. Steve stated Nevada DOT provides the data and feature code to the contractor, and has that information on their website for download.

Paul Saucedo stated the DOT doesn't have a big hammer, regarding enforcement, but added the feedback has been positive due to the benefits. They are still in the early stages though.

Nick Lefke, Michigan DOT, spoke about a drafted pilot in new utility installation with geospatial data.

Robert Memory discussed with Nick the project this effort is focused on, new installation not relocating. They look in the future to hope to add in existing and relocations. Nick asked Nevada DOT about their development or documentation of their standards. Nevada DOT discussed their efforts on standards and a confidentiality issue. Holly Smith, Nevada DOT, stated they solicited standards known from members of the group.

John Krause discussed the ASCE committee efforts to identify standards in records and retention.

(1:29) John Krause stated the group was about to run out of time. John asked for all attendees not announced, to email their information to him.

5) Tasks and Follow Up Assignments for next meeting

N/A

6) Adjourn (1:30)

John Krause thanked the group for their participation and adjourned the meeting.