

Meeting Report - Montana Geodetic Control Working Group and Montana Height Modernization Executive Committee

Meeting Details

Date: July 25, 2011

Time: 10:00 a.m. to 12:00 p.m.

Location: Montana Department of Transportation (MDT) headquarters, Helena, Montana
MDTCNF Basement West

Webinar: A webinar was available for those who could not personally attend.

Participating Members

- Ralph Jones, MDT
- Curt Smith, NGS
- Dan Ignatov, MDT
- William Grayson, BLM
- Bryce Larsen, MDT
- Micheal Sweet, U of M

Members Not Present

- Celinda Adair, DNRC
- Tony Bachman, USFS
- Jimmie Brewer, DOWL HKM
- Diana Cooksey, Montana State University
- Todd Ferris
- Eric Martin, MT Tech
- Gerald Pavlick, Morrison Maierle, Inc.
- Bill Weber, Northwest Energy
- Greg Thurston
- Dave Hoerning, MDT
- Steve Niday, Missoula County
- DeImna Heiken, Triangle Ag-Services
- Stu Kirkpatrick, DOA
- Rj Zimmer, DJ&A
- Kevin McKenzie, Frontier Precision

New Invitees Not Present

- Russ Huotari, Richland County

Meeting Report

1. Review and approve notes from previous meeting.

- A. Discussed report for May 2011 meeting. There were no comments and report was accepted.

2. General Announcements.

- A. NSDI CAP grant award – Zim and Stu were absent from meeting this month however Curt mentioned that things were progressing. Stu and/or Zim will update at next meeting.

3. Multistate Control Point Database (MCPD):

- A. Old and new business MCPD.
 - a. Status report. Stu and/or Zim to update next meeting

4. Geodetic Reference Center (GRC):

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A. Old and new business GRC

- a. CSI (consultant) is moving forward with business plan, etc

5. Montana Height Modernization Program (MTHMP)

A. Old and new business MTHMP.

- a. There is approximately \$25K left in the MTHMP budget with around \$11K available for equipment
- b. There was some discussion as to what projects to fund with the rest of the grant money. Densifying the CORS network in Montana is the priority at this time (see below).

6. Montana CORS:

A. Latest status – Montana CORS:

1. Lewistown – (complete equipment and monumentation)
 - a. Report on progress of Lewistown CORS.
This site is up and running. NGS has accepted the site and data is available on the NGS webpage.
2. Richland County – (split cost of pillar monumentation)
 - a. Report on progress of Richland County CORS.
Russ has updated that he intends to begin pillar monument construction this summer. MDT will offer assistance as needed.
3. Havre – (receiver/antenna updates)
 - a. Report on progress of Havre (MSU Northern) CORS updates.
No updates have been given regarding the upgraded receiver and antenna. As of this time the NGS site log still indicates the old gear. **Kevin?**
4. Flathead Valley CC – (receiver/antenna updates) CORS updates
 - a. Report on progress of Flathead Valley CC CORS. NGS site log shows that receiver and antenna were upgraded on 5/23/2011
5. Butte – (full cost of pillar monumentation)
 - a. Report on progress of Butte (MT Tech) CORS.
Eric Martin is working to install site. Curt and Dan met with Eric and staff to discuss siting issues, etc. 24 hours of test data was then collected in 3 locations for evaluation by NGS.
6. Eastern Montana – (complete equipment and monument for Wolf Point, Miles City, Plentywood and/or other locations)
 - a. Report on progress of Eastern MT CORS.
 - b. BLM in Miles City has expressed an interested in possibly locating a CORS at their property. Discussions ongoing with a site visit by Dan and Curt planned soon.
 - c. MDT facility in Plentywood is marginal due to distance from possible antenna location and facility. MDT to follow up
7. Choteau – (New CORS)
 - a. Report on progress of Choteau CORS.
Prior discussions with private party CORS has ceased. Other options need to be looked into. MDT to follow up.
8. Hamilton – (possible partnership with Ravalli County)

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Report on progress on Missoula CORS. Steve Niday reported by phone that he still waiting for donated equipment from Spokane county, WA. Steve also reports progress on the new county CORS in Lolo.

7. MTHMP Projects and Outreach:

- A. Old and new business MTHMP
 - a. Additional funding plan needs to be discussed as new projects/budgets develop.
 - b. RTN software scope and scale for possible future RTN. Kevin and Steve Richter visited with MDT personnel regarding costs and scope to get basic RTN up and running. It appears that the US93 corridor would be the best place to start as the CORS is most dense. The system is expandable over time. Thanks Kevin and Steve for the presentation.

8. Action items / responsible party / due dates.

- A. Upgrades to Havre CORS. **Kevin/Dan– on-going**
- B. Developments with MT Tech CORS. **Eric/Curt/Dan – ongoing**
- C. Developments for eastern MT CORS. **MDT/Curt-ongoing**
- D. Update CORS map and update CORS priority map. **MDT/Zim – On going**
- E. Add CORS status map to MTHMP web site. **MDT/Zim**

10. Next Meeting/Upcoming Events.

The next meeting is scheduled for Monday, Sept 26, 2011 from 10:00 A.M. to 12:00 P.M. in the Basement West Conference Room, MDT headquarters, Helena Montana.

For those who cannot make it to Helena a webinar has also been scheduled.