BRAN Management and Technical Committees
Semiannual Joint Meeting
January 24, 2008
Minutes

Attendees:
Francis Duffy, City of Boulder
Marla Meehl, NCAR
John Reilly, City of Boulder
Jim Van Dyke, NCAR
Paul Williams, City of Boulder
David Wood, CU

1. The BRAN maintenance account was discussed. An account reconciliation statement was reviewed. Paul Williams with follow up with Beth Lemur at the City of Boulder about items missing from the statement (incomplete billing of the BRAN parties, missing emergency response contract expense in 2007) and will send out a revised statement soon.

   Current Account Balance: $248,820
   Locate Services
   • 2007: $11,478 ($221 per week)
   • 2006: $291 per week
   • 2005: $249 per week
   • 2004: $356 per week
   Lead Party Hours
   • 2007: 109 hrs
   • 2006: 109 hrs
   • 2005: 107 hrs

   Estimated Year End 2008 Account Balance: $232,894
   Locate Services
   • 2008: $14,393 ($277 per week)
   Lead Party Hours
   • 2008: 120 hrs

2. Annual contributions to maintenance account
   • The committee agreed to keep the billing to the BRAN parties at $750 per strand per year.

3. BVSD Fiber Network
   a. The BVSD is about to begin a large fiber infrastructure project throughout the City of Boulder and in parts of southern Boulder County. This fiber will be completely owned and maintained by the BVSD.
   b. The City and BVSD have completed an agreement to trade use of some City conduit and fiber strands for the City’s use of sixteen strands on the BVSD west ring and four strands on the BVSD east ring in addition to four strands on each of seven BVSD laterals.
c. The BVSD has reserved four strands in the west ring for the use of NCAR and discussions are underway between the BVSD and NCAR to offset BVSD BPoP Internet bandwidth charges with this fiber.

d. The City, NCAR, and BVSD are in discussions on a shared fiber cable from the point where BRAN is terminated in the NCAR FL to the intersection of 47th St and Mitchell Ln where the BVSD west ring passes. This lateral cable will be used by the City for connecting its BVSD fiber to its BRAN fiber, by the BVSD to connect to NCAR for BPoP Internet access, and by NCAR for connecting the FL to the west ring for a partially redundant path to the ML. There was much discussion regarding which party (City, BVSD, or NCAR) ought to own and maintain this fiber cable. This will be the topic of a separate meeting between the City, NCAR and BVSD on 2/5/2008. Paul Williams will propose a complete plan to NCAR in advance of the 2/5 meeting with the goal of having the City and NCAR in agreement before a formal discussion with BVSD on this topic.

e. The City and NCAR will make some arrangement with BVSD at the GRB Library on Table Mesa Dr to interface with the BVSD fiber. It was agreed that this arrangement ought to match that at the NCAR FL.

4. Update on BRAN Technical Committee work items completed or in progress:
   a. BRAN Cable Damage in July 2006.
      ▪ The City had sought to recover the $10,542.40 cost of the the emergency repair. The City participated in a mediation with AUS in September 2007 which was unsuccessful.
      ▪ To avoid the unwarranted expense of going to trial, the City settled with AUS in December 2007 for $4,500 and no admission of fault on the part of AUS.
   b. Conduit/Fiber Relocation at 28th and Pearl
      ▪ City and Level 3 conduit (with BRAN and Level 3 fiber) was moved slightly to accommodate a new traffic signal pole and storm sewer work. BRAN split costs with Level 3. BRAN share was $1,100.
   c. Manhole Inspection.
      ▪ The project to Inspect all BRAN access points began in October 2006 and was nearly completed in January 2008. This inspection included the standard checklist of maintenance items, bolting handholes closed, and documentation of other cables present in BRAN access points.
      ▪ Sturgeon Electric completed the remediation portion of the project this month for 18 of the 30 manholes that required followup maintenance. NCAR plans to address 11 of the remaining 12 manholes which are all located along Table Mesa Dr near the NCAR ML. The City will contract with Sturgeon to complete the one remaining manhole not handled by NCAR.
      ▪ The City will conduct a much smaller project beginning in April or May 2008 to inspect the nine manholes that contain BRAN splice enclosures.

5. BRAN Technical Committee work items planned:
   a. Manhole inspection for manholes with splice enclosures.
   b. Renewal of emergency response contract.
   c. Planning for BRAN replacement. How long should/can BRAN infrastructure last?

6. Next Meetings
   a. Technical Committee: April 24, 2008 at 10:00 AM
   b. Joint Management and Technical Committees: July 16, 2008 at 10:00 AM