Understanding

1. BVSD Fiber (20 strands)
   a. Fiber Strand Allocation
      i. Six strands each to NCAR/UCAR, NOAA/NIST, and CU.
      ii. Two “common” strands for NCAR/UCAR, NOAA/NIST, and CU.
   b. Cost Allocation
      i. One-time $200,000
         - Pay $200,000 from maintenance fund to BVSD on 12/31/2009. Schedule needs agreement of BVSD.
         - When BRAN pays $200,000, 12.5% or $25,000 of that is City of Boulder contributions. Refund $25,000 to the City of Boulder for a total payout from the maintenance fund of $225,000.
      ii. Ongoing $15,000 per year
         - Divide according to fiber allocation. $5,000/year each from NCAR/UCAR, NOAA/NIST, and CU. Add this to their current $750/strand/year charge.
         - First payment due to BVSD on 1/1/2010 or on completion of the west “Boulder” ring, whichever is later. Schedule needs agreement of BVSD.
   c. Amendment to the BRAN MOU (or separate companion document referencing MOU)
      i. City of Boulder gives the other BRAN partners a right to use these 20 strands which the City has leased from BVSD.
      ii. Term of the MOU amendment is tied to the term of the City-BVSD lease agreement (ten years renewable).
      iii. These 20 strands are owned and maintained by BVSD, not by the BRAN partners or Lead Party. Only BVSD will have maintenance responsibilities for the BVSD fiber.
      iv. Lead Party does not have management responsibility for this fiber (the fiber is owned by BVSD, leased by the City of Boulder, and shared with the other BRAN partners through this RTU).

2. Fiber Spurs from BVSD to NCAR FL and GRB Library (96 strands)
   a. These spurs from the BVSD ring are BRAN infrastructure governed by the existing BRAN MOU. Formally, they are “extensions” to BRAN.
   b. 72 strands will be spliced to the BVSD ring at each location. 96 strand cable used to provide extras.
   c. Hand hole at GRB Library must be replaced as the current one is too small and is broken.
   d. Fiber Strand Allocation
      i. 32 strands to City of Boulder.
      ii. Twelve strands each to NCAR/UCAR, NOAA/NIST, and CU.
      iii. Four “common” strands for NCAR/UCAR, NOAA/NIST, and CU.
   e. Cost Allocation
      i. One-time cost
         - Division consistent with fiber allocation: City of Boulder 44.5%, NCAR/UCAR 18.5%, NOAA/NIST 18.5%, and CU 18.5%.
         - Paid from the maintenance fund and from direct contribution from City of Boulder.
      ii. Ongoing costs
         - Absorb incremental maintenance costs in current maintenance fund contributions.
Action Items

1. City of Boulder IT and CAO will work with BVSD to amend the existing lease agreement to give the City an additional 20 strands on the west ring.
2. In parallel, City of Boulder IT and CAO will prepare amendment to BRAN MOU reflecting the details above.
3. All BRAN partners will review amendment to City-BVSD agreement and draft amendment to BRAN MOU.

BRAN Maintenance Fund

2. A typical year adds about a net $60,000 to the balance.
3. Contributions
   a. City of Boulder: $750 * 12 strands = $9,000/yr [12.5%]
   b. NCAR/UCAR: $750 * 27 strands = $20,250/yr (one broken strand) [29.2%]
   c. CU: $750 * 28 strands = $21,000/yr [29.2%]
   d. NOAA: $750 * 16 strands = $12,000/yr [16.7%]
   e. NIST: $750 * 12 strands = $9,000/yr [12.5%]
   f. Total: $72,000 (not counting broken strand)