**#0319 Checking Memo**

For vdf\_fftt=0 and length =0 links

We set their free speed as 90 km/h

**#0318 Checking Memo**

**1. Length Issue (Suggestion: Update all link lengths by calculating the great circle distance using link geometry)----solved:**

* **02\_Anaheim** The original length value differs from the calculated value derived from the link geometry.
* **03\_Berlin-Center** length range [0,10477]
* **04\_Berlin-Friedrichshain** length range [0,675]
* **05\_Berlin-Mitte-Center** length range [0,599]
* **06\_Berlin-Mitte-Prenzlauerberg-Friedrichshain-Center** length range [0,940]
* **07\_Berlin-Prenzlauerberg-Center** [0,683]
* **08\_Berlin-Tiergarten** [0,1330]
* **09\_Birmingham-England** [0,201]
* **10\_Chicago-regional** [0,9.9]
* **11\_Chicago-Sketch**
* **12\_GoldCoast** (length unit meter) [0.03,9.17]
* **13\_Philadelphia** (length unit meter) [0,7.25]
* **16\_Sydney** [0.002, 23]

**2. Free Speed Issue--updated:**

* **02\_Anaheim**
* **03\_Berlin-Center** (speed range [0,4000])
* **04\_Berlin-Friedrichshain** (original speed unit mph [60,3960])
* **05\_Berlin-Mitte-Center** (original speed unit mph [60,3600])
* **06\_Berlin-Mitte-Prenzlauerberg-Friedrichshain-Center** (original speed unit mph [60,3960])
* **07\_Berlin-Prenzlauerberg-Center** (original speed unit mph [60,3600])
* **08\_Berlin-Tiergarten** (original speed unit mph [60,3960])
* **09\_Birmingham-England** (original speed unit mph [47,6600])
* **10\_Chicago-regional** (original speed unit mph [0.2,75])
* **11\_Chicago-Sketch** (original speed unit mph [10,312])
* **12\_GoldCoast** (original speed unit mph [20,110])
* **13\_Philadelphia** (original speed unit mph [0.1,38])
* **15\_Sioux\_Falls** (original speed unit mph 60)
* **16\_Sydney** (original speed unit mph [9,117])

**3. Missing vdf\_fftt—need to be solved:**

* **15\_Sioux\_Falls**: Found 76 links with missing vdf\_fftt values (Field: vdf\_fftt).

**4. Need to Add These for All Link Files---do not need to add these currently:**

* vdf\_toll\_sov, vdf\_toll\_truck: for mode 2 or other modes.
* obs\_volume, obs\_volume\_sov, obs\_volume\_truck.