Known Qualities of the Collection System Sewer Inspection and Cleaning Prioritization Model

- Each Pipe is dealt with atomically; there is no segmentation

- Each Pipe can be assigned one or more Drivers. A Driver has

    o A name

    o A frequency of occurrence (stated as a period of time)

    o A cost per occurrence

- While each Pipe can be assigned one or more Drivers, a pipe picks out only one of them to be the Critical Driver. At this time, this is the Driver with the shortest period

- All Pipes will have a Preventive Maintenance Driver assigned (for Inspections)

- When the model is applied, the model will be run to twice the longest period available in all possible Drivers. The first period acts as a hot start; the actual usable data is the second period.

- The Inspection and Cleaning models are run independently of each other.

- The model will need to support alternatives analysis

    o Comparison routines

    o Archiving routines

- Seed data is expected to come from Hansen workorders and Gail's knowledge

- Results for the 1st phase will be used for a total needs assessment

- Results for subsequent phases will be leveled using a budget cap (one for inspection, one for cleaning)