Date: **Participating Members:** **Assessment Context:**

C-Store, Integrate, and Access Data
1-Databases

C.1.a – Efficient Storage

Element Description Data storage methods that enable and facilitate efficient data access, analysis and transformation.

Benchmark Level 0	Benchmark Level 1	Benchmark Level 2	Benchmark Level 3	Benchmark Level 4
Asset inventory, condition and work information are primarily in paper form - not digitized.	Asset inventory, condition and work information is digital but stored in disparate database types and locations.	Most databases with asset inventory, condition and work information are stored on a server and can be accessed and managed centrally.	Materialized views and automated transformations are used to provide efficient access to data of interest.	Information is stored for efficient access by leveraging cloud-based options (as appropriate).
Current: ☐ **Desired:** ☐	**Current:** ☐ **Desired:** ☐	**Current:** ☐ **Desired:** ☐	**Current:** ☐ **Desired:** ☐	**Current:** ☐ **Desired:** ☐
☐ Work with information technology staff to examine current practices and identify database solutions aligned with business need and agency recommended practices.	☐ Identify and implement source systems of record for storage of asset inventory, condition, and work data.	☐ Eliminate duplicate data by providing curated authoritative data for analysis and reporting.	☐ Work with information technology staff to identify needs and solutions for cloud-based data storage.	
☐ Migrate asset data from paper to simple database formats. Store locally or on central servers if no formal system of record is available.	☐ Develop and execute a migration plan for paper, decentralized, and/or locally stored data desired for ongoing retention and use.	☐ Work with information technology staff to incorporate anticipated future asset data, systems, and analysis tools in the enterprise architecture.	☐ Implement cloud data storage solutions as appropriate to provide optimized and efficient access for internal and external users.	
☐ Other:	☐ Other:	☐ Other:	☐ Other:	

Assessment Notes:

Improvement Notes: