ATTACHMENT D – Software/SOW Compliance Checklist

The Offeror shall to indicate which features its software has “out of the box”. If certain features are not available, the Offeror can describe how its product can offer alternative features or capability that will be comparable to the listed features or functionality.

The Offeror shall clearly demonstrate software capabilities and functionality matching item-by-item in this SOW, along with clearly identified deviations where this is not the case. For such deviations, the Offeror shall indicate recommendations for alternates or optional modules, along with costs. Each indicated capability shall be included in the overall cost estimate, i.e., not as an ‘optional’ or otherwise ‘add-on’ cost. In order to facilitate demonstrating SOW compliance, the Contractor shall complete Table 1, below.

Table 1. Software/SOW Compliance Checklist		**Place ✓ to indicate fully functional feature of the software “out of the box” on date of RFP Submission**
	a. General Software Features	
a.1	Capability to manage 2,000,000 assets minimum arranged in parent-child relationship	
a.2	Capability to manage minimum of 8 levels asset hierarchy	
a.3	Capability to manage a minimum of 160 asset types	
a.4	Has unlimited asset attributes	
a.5	Handles multiple concurrent users at the same time	
a.6	Ability to establish or modify unlimited decay curve formulas where each curve can represent a specific asset type or failure mode	
a.7	Data confidence level rating for business case development or forecasted asset end-of-life, rehabilitation and/or replacement cost	
a.8	Ability to add user defined fields	
a.9	Enables grouping of different assets into a single O&M class	
a.10	Has GIS Interface and Overlaying Capability to enable representation of linear assets and apply conditional indicators, such as color	
a.11	Import/Export Data from and to other sources such as Excel, Access, SQL, ArcGIS, Oracle database, and other recognized opened standards	
a.12	Integrates and consolidates multiple asset data sources	
a.13	Supports Microsoft SQL Server and Oracle Database	
a.14	Provides dashboard interface, configurable by four defined user access levels for 50 total users	
a.15	Ability to create and store custom reports	
a.16	Ability to change, enhance, and maintain the system by adding new functionality at minimal effort and user skill level (i.e., no coding proficiency beyond basic Excel formulas and/or simple SQL queries)	
a.17	Ability to construct and store formulas to perform calculations within model data	
a.18	Configures for automatic update for end of life forecast and rehabilitation cycle based on updated asset condition rating, pipe	

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	break information, and asset defects from CCTV inspection databases	
b. Asset Rehabilitation & End of Life Forecasting		
b.1	Forecasts and updates the asset's end of useful life based on certain asset attributes including asset condition	
b.2	Forecast and update the asset's rehabilitation life cycle based on certain asset attributes including asset condition	
b.3	Forecast and update water main replacement based on recorded pipe breaks	
b.4	Forecast and update sewer rehabilitation life cycle based on NASCCO defects assessment and other asset attributes	
b.5	Forecast and update the asset's replacement based on economic evaluation of continuing repair	
b.6	Forecast asset replacement and rehabilitation events costs to support the capital improvement program budget	
b.7	Sensitivity Analysis of effects of changes in costs, timing or anticipated benefit	
b.8	Associate replacement cost with asset adjusted for applied inflation and other factors	
b.9	Allow global application of an inflation factor to be reflected in investment profile and funding needs	
b.10	Allow global application of a discount factor to be reflected in funding needs	
b.11	Maintenance Cost Projections (Modeled) – Forecast future O&M costs based on condition curves	
b.12	Ability to forecasting asset end of life and rehabilitation cycle for up to 100-year timeline	
b.13	Integrated United States customary units of measure and U.S. dollars	
c. Capital Planning Prioritization & Risk Management		
c.1	Build project budget and scope based on any number of renewal strategy	
c.2	Prioritize asset replacement and rehabilitation events according to asset risk calculation and available project budget	
c.3	Calculate asset risk based on asset condition and criticality	
c.4	Predict risk based on alternative O&M and Renewal options	
c.5	Predict risk reduction based on renewal or replacement strategy	
c.6	Determine lowest total cost of ownership (capital, operating and maintenance costs)	
c.7	Allows cost factors and/or calculation for engineering design budget, construction administration budget, and other budget factors such as internal staff overhead budget, land acquisition, permits, etc.	
c.8	Calculate life-cycle costs per asset and provide projected repair or replace optimization analyses with user-adjustable parameters	
d. Other Features		
d.1	Perform financial calculations on investment options as part of Business Case (Scenario) development, e.g. level of investment necessary to maintain a set Level of Service / Condition / Risk or System-Wide Risk via Budget Constraint	

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d.2	Evaluate the success of forecasting methods by comparing forecast outcomes with actual results for asset end of life, replacement cost, rehabilitation costs, project costs	
d.3	Predict decline in Level of Service over time in relation to O&M/Renewal activities	
d.4	Automatically "push" and update asset replacement and/or next rehabilitation date back to the WAM system	
d.5	Update asset inspection frequency with user-adjustable relationship to asset type & risk score and push updated inspection date back to the WAM system	
d.6	Automatically report next asset inspection due date and inspections due within a user-set date range	
d.7	Training environment which mirrors all functionality of Production environment so to allow users to test/view asset data, modeling rules, business case scenarios, reporting etc. prior to publishing	
e. Support		
e.1	Toll-free technical support telephone number with live English-speaking help available during designated Arizona business hours (minimum period of 2 years)	
e.2	Web-based remote-viewing/takeover interface during support sessions (minimum period of 2 years)	
e.3	Email support system with guaranteed response of one business day (minimum period of 2 years)	
e.4	Available updates/patches communicated to designated City personnel in email form along with a summary of changes/fixes and deployment procedures (minimum period of 2 years)	
e.5	Written software set-up, functionality, and troubleshooting documentation covering the entire range of software capabilities	