



Risk-Based Asset Management & Capital Planning Software

Presented by

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Capital Improvement Planning/Asset Management

MicroMain (Current System)

- Asset Maintenance Management Software
- Tracks asset costs, preventative/demand and maintenance work orders, labor tracking, warranty and parts

- Extend our outlook from 5-year window to a 50-year horizon
- Provide stability to system rate
- Include business continuity and resiliency
- Improve decision-making on asset renewal through improved prioritization of assets based on risk
- Improve long-term capital forecasting through improved assessment of renewal needs



Asset Management Program Development

- 🕒 Task 1: Develop Risk-Based AMP Framework
- 🕒 **Task 2: Asset Management/Capital Planning Software**
- 🕒 Task 3: Pilot Programs at PK & EWC
- Task 4: Apply Risk Criteria to Remaining BRA Assets (Optional)
- 🕒 Task 5: Develop Long Range & Capital Planning Program



Asset Management/Capital Planning Software

- BRA advertised for competitive sealed proposals under RFP 23-02-1288
- Advertisement, selection process, and procurement of a new Asset Management/Capital Planning Software system
- BRA received eleven responsive proposals
- Four vendors were short listed and presented demonstrations/interviews
- Selection committee selected NEXGEN



Benefits of NEXGEN

Usability:

- Ease of Navigation/Use
- Intuitive Mobile Solutions
- Optimize Workflows
- Efficiency
- GIS hybrid solution for vertical & linear assets

Sustainability:

- Enterprise Solution
- Best Industry Practices Built In
- Ongoing Training, Updates, & Support
- Asset Management & Implementation Experts

Intelligence:

- Robust reporting and analytics capabilities
- Risk/Criticality Considerations for project prioritization
- Lifecycle and Long-Term Planning



Implementation

- Task 1: Development of Implementation Strategy
- Task 2: Data Migration
- Task 3: System Configuration
- Task 4: System Integration
- Task 5: System Testing
- Task 6: User Acceptance Testing
- Task 7: Training
- Task 8: Go Live



AM/CIP Software Fee

Project Management.....	\$62,480
Task One: Development of Implementation Strategy.....	52,800
Task Two: Data Migration.....	38,720
Task Three: System Configuration.....	135,960
Task Four: System Integration.....	74,888
Task Five: System Testing.....	11,792
Task Six: User Acceptance Testing.....	39,320
Task Seven: Training.....	62,760
Task Eight: Go Live (5 Years).....	<u>386,794</u>
Total Contract Amount Not-to-Exceed.....	\$865,514



“BE IT RESOLVED that the Board of Directors of the Brazos River Authority hereby authorizes the General Manager/CEO to negotiate and execute a contract with NEXGEN Asset Management for a Computer Maintenance Management System (CMMS) to further support development of BRA’s Risk-Based Asset Management and Capital Planning Program at a not-to-exceed cost of \$865,514.”



Brazos River Authority



Brazos

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RIVER AUTHORITY