

Nexstair Technologies LLC

RSP · PRE-BID RESPONSE SUPPORT · US SLED PRACTICE

CASE STUDY · RFP 226-07-15

City of Charlotte Michigan

Enterprise Asset Management, CMMS,
Inspection & Capital Planning Platform

SOW DECODE · COMPLIANCE MAPPING · RESPONSE PACKAGE

Nexstair Technologies provides Resource Support Partner (RSP) services to a US Prime Contractor pursuing the City of Charlotte's EAM/CMMS RFP — building the compliance-ready response package for a unified asset lifecycle management platform covering water, wastewater, public works, parks, and facilities operations with Esri ArcGIS and BS&A integration.

CLIENT CONTEXT

Client:

City of Charlotte, Eaton County, Michigan

Opportunity:

RFP 226-07-15 · Enterprise Asset Management / CMMS Platform

Our Role:

Resource Support Partner (RSP) · Pre-Bid Response Support

Engagement:

Masked technology support to US Prime Contractor

Est. Value:

~\$200K–\$600K (platform + implementation + support)

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Departments
Covered

GIS

Esri ArcGIS
Integration

BS&A

ERP
Integration

Aug 10

Council
Award Date

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Executive Summary

The City of Charlotte, Michigan requires a unified EAM/CMMS, inspection management, work order management, and capital planning platform covering Water, Wastewater, Public Works, Parks, and Facilities operations. The US Prime contractor needs a response package demonstrating deep GIS integration with the City's existing Esri ArcGIS investment and compatibility with BS&A; municipal software.

Nexstair engaged as Resource Support Partner — providing SOW decode, compliance mapping, technical narratives, secure delivery model, and visual artifacts to strengthen the prime's submission.

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The Challenge

Charlotte is a small Michigan municipality managing horizontal and vertical assets across five operational departments with no unified digital asset management system. The RFP demands native Esri ArcGIS Online/Enterprise integration, mobile inspection capability for field crews, and configurable dashboards that department staff can modify without vendor intervention.

Key Requirements Addressed

- Unified EAM/CMMS covering water distribution, wastewater collection/treatment, public works, parks, and facilities
- Native Esri ArcGIS Online/Enterprise integration for spatial asset visualization and field data capture
- Mobile inspection, work order, and asset-tagging capability for field personnel
- Capital planning and asset lifecycle tracking across horizontal and vertical assets
- Integration with City's BS&A; software with one-time data migration plus ongoing synchronization
- Configurable dashboards and reporting usable without vendor intervention
- Minimum three municipal references including water utility and wastewater utility

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Compliance Code Mapping

Type	Code	Description	Capability Fit
NAICS	511210	Software Publishers	EAM/CMMS platform, inspection tools, capital planning
NAICS	541512	Computer Systems Design	GIS integration architecture, BS&A; synchronization
NAICS	541511	Custom Computer Programming	Custom dashboards, API integrations, mobile tools

NIGP	95805	Asset Management Services	Full asset lifecycle management across 5 departments
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Our Solution — Pre-Bid Response Support

Workstream	Description
SOW Decode & Analysis	Reviewed full RFP scope across 5 departments, GIS integration requirements, BS&A; compatibility, and municipal asset lifecycle constraints.
Compliance Mapping	Mapped every requirement against NAICS, NIGP, Michigan procurement law, insurance minimums, and subcontracting disclosure rules.
Technical Response Support	Drafted technical narratives covering Esri ArcGIS integration, mobile field inspection, work order workflows, capital planning methodology, and BS&A; data synchronization.
Risk & Compliance Readiness	Risk register covering GIS data migration, field connectivity gaps, BS&A; sync failures, and multi-department rollout sequencing.
Secure Delivery Model	Prime-controlled communication, sanitized work packets, NDA controls, and offshore support boundaries.

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Capability Stack Applied

Capability Area	Application to Charlotte RFP 226-07-15
GIS & Spatial Data Engineering	Esri ArcGIS Online/Enterprise integration, spatial asset mapping, field data capture, and GIS-linked work orders.
Full Stack Engineering	React dashboards, Laravel APIs, mobile inspection tools, configurable reporting — all in-house.
AI Automation & Workflows	n8n workflows for work order routing, inspection scheduling, asset condition alerting, and capital planning triggers.
Data Migration & Integration	BS&A; ERP synchronization, legacy data extraction, asset inventory import, and ongoing sync architecture.
Document Production	Proposal narrative, compliance matrix, reference documentation, and submission-ready formatting.

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About Nexstair Technologies

Nexstair Technologies LLC is a Wyoming-registered IT services company delivering AI automation, web development, SEO, and digital infrastructure as a Resource Support Partner (RSP) to US prime contractors pursuing SLED opportunities. Operating from a delivery center in Islamabad, Pakistan with US coordination in Casper, Wyoming — NDA-first, masked engagement, no direct client contact.

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