
Nexstair Technologies LLC

RSP · PRE-BID RESPONSE SUPPORT · US SLED PRACTICE

CASE STUDY · RFP-DWK-071026-ROUTING

Rochester City School District

School Transportation Routing & Management System

SOW DECODE · COMPLIANCE MAPPING · RESPONSE PACKAGE

Nexstair Technologies provides Resource Support Partner (RSP) services to a US Prime Contractor pursuing RCSD's Transportation Routing RFP — building the compliance-ready response package for a cloud-based routing, dispatch, GPS tracking, and student management platform serving 30,507 students across 187 vehicles and 5 transportation companies.

CLIENT CONTEXT

Client:	Rochester City School District (RCSD), New York
Opportunity:	RFP-DWK-071026-ROUTING · School Transportation Routing System
Our Role:	Resource Support Partner (RSP) · Pre-Bid Response Support
Engagement:	Masked technology support to US Prime Contractor
Contract:	5-year term (implementation + annual SaaS licensing)
Est. Value:	~\$500K–\$1.5M over 5 years

30,507

Students
Served

187

District
Vehicles

5 Yrs

Contract
Term

Aug 13

Submission
Deadline

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Executive Summary

Rochester City School District needs a cloud-based School Transportation Routing and Management System to replace its current patchwork of routing tools and five separate transportation-company workflows. The system must serve 30,507 students across public, charter, non-public, special education, homeless, foster care, athletic, after-school, and summer programs — with live GPS tracking, RFID student tracking, and Medicaid-reimbursable trip data.

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

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The Challenge

RCSD currently operates a fragmented 5-vendor, 11-user patchwork of routing tools across 65 transportation vehicles and 122 GPS-only district vehicles. The RFP demands a single platform that integrates with Azure Entra ID, PowerSchool (nightly bi-directional sync), Frontline, Rochester Transit Service, and Veo GPS — while meeting WCAG 2.1 Level AA accessibility and delivering RFID student tracking with Medicaid billing capability.

Key Requirements Addressed

- Single cloud-based routing and dispatch platform replacing 5-vendor patchwork
- Azure Entra ID (SSO/MFA) and PowerSchool nightly bi-directional sync integration
- Live GPS tracking with guardian-facing real-time ETA portal
- Dual-season routing for concurrent summer school and next-year planning
- RFID student tracking and Medicaid-reimbursable trip data
- WCAG 2.1 Level AA accessibility with current VPAT-based Accessibility Conformance Report
- Role-based administration: Super Admin, Router, Dispatcher, Viewer

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Compliance Code Mapping

Type	Code	Description	Capability Fit
NAICS	511210	Software Publishers	Transportation routing SaaS platform
NAICS	541511	Custom Computer Programming	GPS integrations, PowerSchool sync, RFID tracking
NIGP	55090	Transportation Software	Route optimization, dispatch, fleet management

NIGP	92003	Application Service Provider	Cloud-hosted SaaS delivery model
NIGP	20856	Route Planning Software	Automated route optimization and boundary planning

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Our Solution — Pre-Bid Response Support

Workstream	Description
SOW Decode & Analysis	Reviewed full RFP scope covering routing, dispatch, GPS/telematics, student tracking, fleet management, reporting, and family communication for 30,507 students across all program types.
Compliance Mapping	Mapped requirements against NAICS, NIGP, WCAG 2.1 AA, ADA, FERPA, Medicaid billing rules, New York State procurement law, and non-collusive bidding certification.
Cost Template Support	Structured 5-year Cost Template covering implementation, SaaS licensing, add-on modules (parent portal, GPS, SpEd routing, field trips), training, and hardware.
Technical Response Support	Drafted narratives for Azure Entra ID integration, PowerSchool sync architecture, RFID student tracking, Medicaid trip data, and dual-season routing methodology.
Risk & Compliance Readiness	Risk register covering 5-vendor data migration, GPS fleet integration across 187 vehicles, Medicaid audit trail, and FERPA data handling compliance.
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 RCSD RFP-DWK-071026-ROUTING
Systems Integration Architecture	Azure Entra ID SSO, PowerSchool bi-directional sync, Frontline, Veo GPS, Rochester Transit Service — all integration architecture documented.
Full Stack Engineering	React parent portal, real-time ETA dashboard, route visualization, mobile dispatch interface — all in-house.
AI Automation & Workflows	n8n workflows for route optimization triggers, GPS data ingestion, attendance alerting, and Medicaid trip data aggregation.
Accessibility & Compliance	WCAG 2.1 AA compliance documentation, VPAT alignment, FERPA data handling, and Medicaid billing trail architecture.
Document Production	Cost Template, proposal narrative, compliance matrix, non-collusive bidding certification — all formatted per RCSD requirements.

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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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