



NORTHEAST OHIO AREAWIDE COORDINATING AGENCY

MEMORANDUM

TO: NOACA Board of Directors

FROM: Grace Gallucci, Executive Director

DATE: March 2, 2018

RE: **Resolution 2018-007; Agency Procurement – Regional Intelligent Transportation Systems (ITS) Infrastructure Plan**

ACTION REQUESTED

The Board of Directors is asked to award a contract to AECOM Technical Services, Inc for NOACA's Regional Intelligent Transportation Systems (ITS) Infrastructure Plan in the not to exceed amount of \$200,921.

The Finance and Audit Committee recommended this action.

BACKGROUND/JUSTIFICATION FOR CURRENT ACTION

In 1997, Congress passed the Transportation Equity Act for the 21st Century (TEA-21) to address the need to begin to work toward regionally integrated transportation systems. In January 2001, FHWA published a rule, and FTA published a companion policy, to implement Section 5206(e) of TEA-21. This Rule/Policy seeks to foster regional integration by requiring that all Intelligent Transportation Systems (ITS) projects funded from the Highway Trust Fund be in conformance with the National ITS Architecture and appropriate standards. "Conformance with the National ITS Architecture" is defined in the final Rule/Policy as using the National ITS Architecture to develop a "regional ITS architecture" that would be tailored to address the local situation and ITS investment needs, and the subsequent adherence of ITS projects to the regional ITS architecture.

The architecture defines integration opportunities among agencies within the region and identifies how cooperation between the agencies in the deployment of ITS systems can be used to meet regional transportation needs. By defining what currently exists in the area of ITS deployments, the Regional ITS Architecture can be used to identify gaps in needed ITS services and can identify how these gaps could be addressed. The architecture can then be used to efficiently structure implementations of ITS technologies. By creating a long range plan for the implementation of these systems and technologies, agencies can:

- Provide inter-operability among jurisdictions
- Establish minimum requirements within region
- Prepare for future expansion
- Prioritize regional investments
- Identify standard interfaces

Intelligent Transportation Systems are interrelated systems that work together to deliver transportation services. Integration of these systems requires an architecture to illustrate and gain consensus on the approach to be taken by a group of stakeholders regarding their particular systems. An ITS Architecture defines the systems and the interconnections and information exchanges between these systems.

This comprehensive update is necessary to ensure the architecture continues to accurately represent the regional view of ITS Systems, and establish the blueprint for the future. The comprehensive update includes engaging stakeholders, reviewing transportation needs and services for the region, updating the status of projects, establishing new goals and strategies as appropriate; updating system functional requirements, project sequencing, ITS standards, agency agreements; and define interfaces/functions/standards to support early deployments of connected/autonomous vehicles. This comprehensive update must be consistent with the National ITS Architecture and USDOT ITS Architecture and Standards 23 CFR Parts 655 and 940, and State of Ohio ITS protocols.

On December 14th, 2018 NOACA issued a Request for Proposals (RFP) for a Regional Intelligent Transportation Systems (ITS) Infrastructure Plan

The proposals were due on January 22nd, 2018. NOACA received two proposals. Vendors were scored on four criteria: project approach, experience, qualifications and cost. After evaluating the proposals, the NOACA review team selected the vendor with the highest scores which was AECOM Technical Services, Inc.

FINANCIAL IMPACT

The proposed contract will be executed for 18 months commencing on or around April 1st, 2018 and ending around September 2019; at a cost not to exceed \$200,921. This project is in our budget for \$205,399 and is funded with NOACA Planning dollars.

CONCLUSION/NEXT STEPS

With Board approval, NOACA will enter into contract with AECOM Technical Services, Inc. for a term April 1st, 2018-September 30st, 2019.

GG/sm/2997b

**RESOLUTION 2018-007
(AGENCY PROCUREMENT - NOACA REGIONAL
INTELLIGENT TRANSPORTATION SYSTEMS (ITS)
INFRASTRUCTURE PLAN)**

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE
NORTHEAST OHIO AREAWIDE COORDINATING AGENCY**

WHEREAS, the Northeast Ohio Areawide Coordinating Agency (NOACA) is the Metropolitan Planning Organization (MPO) for the counties of Cuyahoga, Geauga, Lake, Lorain, Medina, the City of Cleveland and the areawide water quality management agency for the same region; and

WHEREAS, in 1997, Congress passed the Transportation Equity Act for the 21st Century (TEA-21) to address the need to begin to work toward regionally integrated transportation systems, and “Conformance with the National ITS Architecture” is defined in the final Rule/Policy as using the National ITS Architecture to develop a “regional ITS architecture” that would be tailored to address the local situation and ITS investment needs, and the subsequent adherence of ITS projects to the regional ITS architecture; and

WHEREAS, This Regional Intelligent Transportation Systems (ITS) Infrastructure Plan requires periodic updates; and

WHEREAS this comprehensive update is necessary to ensure the architecture continues to accurately represent the regional view of ITS Systems, and establish the blueprint for the future. The comprehensive update includes engaging stakeholders, reviewing transportation needs and services for the region, updating the status of projects, establishing new goals and strategies as appropriate; updating system functional requirements, project sequencing, ITS standards, agency agreements; and define interfaces/functions/standards to support early deployments of connected/autonomous vehicles. This comprehensive update must be consistent with the National ITS Architecture and USDOT ITS Architecture and Standards 23 CFR Parts 655 and 940, and State of Ohio ITS protocols; and

WHEREAS, the skills of a professional consulting firm are needed to manage this complex project. The planning and implementation of this project will include the Board of Directors, the region’s elected officials, the public, the business community, the transportation and environmental stakeholders, and many other important interests; and

WHEREAS, NOACA, through its FY2018 Overall Work Program (OWP) and Budget, has set aside funding for a consulting firm to assist with the ITS Infrastructure Plan; and

WHEREAS, NOACA’s procurement policy requires that these consulting services be obtained through a competitive process following all applicable federal, state, and local policies and regulations, which was accomplished through a Request for Proposals issued on December 14th, 2017, with two proposals received on January 22nd, 2018.

WHEREAS, AECOM Technical Services, Inc. was determined to best provide these services.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Northeast Ohio Areawide Coordinating Agency, consisting of forty five principal officials serving general purpose local governments throughout and within the counties of Cuyahoga, Geauga, Lake, Lorain, Medina, and the City of Cleveland that:

RESOLUTION 2018-006
(AGENCY PROCUREMENT - NOACA REGIONAL
INTELLIGENT TRANSPORTATION SYSTEMS (ITS)
INFRASTRUCTURE PLAN)

Section 1. The Executive Director is hereby authorized to enter into a contract for services with the firm of AECOM Technical Services, Inc. in an amount not to exceed \$200,921 for this project. Commencing on or around April 1st, 2018 and completing on or around September 30, 2019.

Section 2. The Executive Director is authorized to transmit certified copies of this resolution to appropriate federal, state, and local agencies.

Certified to be a true copy of a Resolution of the Board of Directors of the Northeast Ohio Areawide Coordinating Agency adopted this 9th day of March 2018.

Secretary: 

Date Signed: 3-9-18