



NORTHEAST OHIO AREAWIDE COORDINATING AGENCY

MEMORANDUM

TO: NOACA Board of Directors

FROM: Grace Gallucci, Executive Director

DATE: December 1, 2017

RE: **Resolution 2017-041; Agency Procurement - NOACA Signal Timing & Optimization Program**

ACTION REQUESTED

The Board of Directors is asked to award a contract to Albeck Gerken Inc. for NOACA's Signal Timing & Optimization Program in the not to exceed amount of \$456,552.

The Finance and Audit Committee recommended this action.

BACKGROUND/JUSTIFICATION FOR CURRENT ACTION

Today, there are more than 272,000 traffic signals in the United States. They play an important role in the transportation network and are a source of significant frustration for the public when not operated efficiently. As the era of freeway building draws to a close, urban arterials are being called upon to carry more users than ever before at a time when the users of these facilities are growing more complex (older drivers, more distractions, larger vehicles, etc.) and the demand for such use continues to outpace transportation supply. Traffic signal timing efficiency degrades over time as volume patterns and magnitude change, development occurs, or infrastructure changes. Outdated or poor traffic signal timing accounts for a significant portion of traffic delay on urban arterials, and traffic signal optimization is one of the most cost effective ways to reduce emissions, improve mobility, reduce delays and improve corridor safety.

NOACA's approach to address the issues related to inefficient traffic signal timing was to develop a Signal Timing Optimization Program (STOP), and in June 2016, the Board of Directors adopted resolution 2016-015, which approved a consultant firm to develop a pilot STOP project for two corridors.

The pilot project is completed and the final outcomes achieved from the implementation were presented to the Board of Directors at its September 2017 meeting.

After concurrence on the successful implementation of the pilot project, a request for proposals for the continuation of STOP was released based on the FY2018 Overall Work Program and Budget.

Staff developed recommendations for project corridors utilizing a transportation operations and emissions reduction framework and criteria. The criteria, as well as the potential corridors were presented to the Safety and Operations Council, the Air Quality Subcommittee and the Transportation Subcommittee for information and input.

Project corridors were developed and recommended utilizing a transportation operations and emissions reduction framework and criteria. The criteria, as well as the potential corridors were presented to the Safety

and Operations Council, the Air Quality Subcommittee and the Transportation Subcommittee for information and input.

The project consists of Part I of two corridors and an option for Part II for an additional two corridors.

Part I corridors:

- SOM Center Rd from Vine Street to Chardon Rd. (US6) in the Cities of Eastlake, Willoughby, and Willoughby Hills
- West 150th/Warren Rd. from Madison Ave. to Brookpark Rd. in the Cities of Lakewood, Cleveland and Brookpark

Part II, if authorized, will consist of two additional corridors/grid of similar length and number of intersections, with the scope to be developed by NOACA, to begin after Part I has been completed.

NOACA will administer and manage the STOP program, but the projects will not be implemented without the approval of the agencies that own, operate and/or maintain the project signals. NOACA will work closely with the project sponsors and consultants to successfully complete the STOP projects.

The request for proposals was released on September 18, 2017 and proposals were due on October 18, 2017 NOACA received seven proposals. Venders were scored on three criteria: project approach, experience and qualifications. After evaluating the proposals, the NOACA review team interviewed the three highest scoring teams. The team with the highest score and best interview was Albeck Gerken Inc.

FINANCIAL IMPACT

The proposed contract will be executed for one year commencing on or around January 2018 and ending on or around January 2019; at a cost not to exceed \$456,552; \$500,000 was budgeted in the FY2018 OWP. Part II, if the option is authorized, will take place subsequently following the completion of Part I also for a one year duration and at a cost negotiated by NOACA, but not to exceed \$500,000.

CONCLUSION/NEXT STEPS

With Board approval, staff will work with the local communities involved and the consultant team to implement the signal timing optimization program.

GG/ks/sm/2973b

**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 and Medina, and the areawide water quality management agency for the same region; and

WHEREAS, NOACA is committed to developing a comprehensive signal timing optimization program to improve air quality through decreased motor vehicle emissions and fuel consumption, improve reliability and predictability of travel along arterials and improve the safety of motorists, pedestrians and bicyclists; 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 FY2017 Overall Work Program (OWP) and Budget, has set aside funding for a consulting firm to assist with the signal timing optimization program; 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 September 18th, 2017, with seven proposals received on October 18th, 2017.

WHEREAS, Albeck Gerken Inc. was determined to best provide these services. The project consists of Part I of two corridors and an option for Part II for an additional two corridors.

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:

Section 1. The Executive Director is hereby authorized to enter into a contract for services with the firm of Albeck Gerken Inc. in an amount not to exceed \$456,552 for Part I of this two part project which includes:

- SOM Center Rd from Vine Street to Chardon Rd. (US6) in the Cities of Eastlake, Willoughby, and Willoughby Hills
- West 150th/Warren Rd. from Madison Ave. to Brookpark Rd. in the Cities of Lakewood, Cleveland and Brookpark

Section 2. Part II, if the option is authorized, will take place subsequently following the completion of Part I also for a one year duration and at a cost negotiated by NOACA, but not to exceed \$500,000. Part II, will also consist of two additional corridors/grid of similar length and number of intersections, with the scope to be developed by NOACA, to begin after Part I has been completed.

RESOLUTION 2017-041
(AGENCY PROCUREMENT - NOACA Signal Timing & Optimization
Program)

Section 3. 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 8th day of December 2017.

Secretary: _____

Date Signed: _____


12/8/17
Timothy C. Lannon