TO: NOACA Board of Directors

FROM: Grace Gallucci, Executive Director

DATE: March 1, 2019

RE: Resolution 2019-010; NOACA Signal Timing & Optimization Program Contract Modification

ACTION REQUESTED
The Board of Directors is asked to increase the budget for the Part II STOP contract with the funds coming from savings in Part I of the contract.

The Finance and Audit Committee recommended this action.

BACKGROUND/JUSTIFICATION FOR CURRENT ACTION
In fiscal year 2016, NOACA implemented a pilot Signal Timing & Optimization Program (STOP). After the successful completion of optimizing two corridors (Cedar Rd. and Pearl Rd.), the Board of Directors approved continuing the program. In December 2017, the Board of Directors adopted Resolution #2017-041, which awarded a contract for NOACA’s Signal Timing & Optimization Program. This contract included a Part I and Part II, with $1 M budgeted for both Parts for fiscal years 2018 and 2019. Part I was executed February 6, 2018 at a cost not to exceed $456,552, with Part II to take place following the completion of Part I, at a cost negotiated by NOACA, but not to exceed $500,000.

Part I consisted of two corridors:
- SOM Center Rd from Vine St. to Chardon Rd. (US 6) in the Cities of Eastlake, Willoughby, and Willoughby Hills (21 intersections)
- West 150th/Warren Rd., from Madison Ave. to Brookpark Rd. in the Cities of Lakewood, Cleveland, and Brookpark (28 intersections)

The project is completed and the final outcomes of the implementation will be presented at the meeting.

Potential corridors for the Part II project have been evaluated based on operational and estimated air quality benefits. The analysis indicated that the Chester Avenue grid between East 13th Street and Martin Luther King Jr. Boulevard produced a substantially greater air quality benefit than any of the other corridors. This requires the optimization of 66 intersections on Chester Avenue, Euclid Avenue, Prospect Avenue, Carnegie Avenue and Cedar Avenue, which is substantially more intersections than the two corridors on Part I.

Part I is expected to be completed for less than the contract amount of $456,552 by approximately $30,000. In order to best perform Part II, which contains a slightly larger scope than Part I, it is requested to utilize the savings from Part I for Part II. However, Part I and II will still not exceed the original overall budget of $1M or the combined expected contract amount of $956,552.
FINANCIAL IMPACT
$1M was budgeted in the FY2018 and FY2019 OWP for Parts I and II. This action would not increase this amount, but would move savings in Part I to Part II.

CONCLUSION/NEXT STEPS
Pending Board approval, staff will work with the local communities involved and the consultant team to implement the signal timing optimization program.

GG/sm/3046b
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 entered into a contract with Albeck Gerkin Inc. to complete Part I and Part II of this project (Resolution 2017-041)

WHEREAS, Albeck Gerken Inc. will complete Part I of this project under budget by approximately $30,000.

WHEREAS, Part II of this project will cost approximately $30,000 more that what was budgeted ($500,000).

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 amend the OWP to move savings from Part I of the STOP project to Part II of the Stop project. Both Part I and Part II combined will not exceed $956,552

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 8th day of March 2019.

Secretary:

Date Signed: 3-8-2019