

SOUTH JERSEY TRANSPORTATION PLANNING ORGANIZATION

ITEM 2205-16: Approving the Selection of AECOM Technical Services, Inc., as the Consultant for the FY 2022 Air Quality Assistance Technical Assistance Study

PROPOSAL

At its May 9, 2022 meeting, the SJTPO Technical Advisory Committee recommended that the Policy Board approve the selection of AECOM Technical Services, Inc., (AECOM) in association with Sobers Consulting LLC (DBE firm) for the SJTPO FY 2022 Air Quality Technical Assistance technical study.

BACKGROUND

The Request for Proposal (RFP) for the technical study was issued on Thursday, March 3, 2022, with proposals due on Wednesday, March 30, 2022.

This technical study seeks consultant assistance to help SJTPO prepare new motor vehicle emissions budgets for the New Jersey Department of Environmental Protection's (NJDEP) upcoming Ozone Attainment Demonstration State Implementation Plan (SIP) Revision.

The Notice of Availability of Requests was sent to 252 contacts. One (1) proposal was received from **AECOM Technical Services**, with Sobers Consulting LLC as the DBE firm. The proposal was reviewed and scored by the TAC-designated Consultant Selection Committee with representatives from NJDOT, NJDEP, the City of Vineland, SJTA, and SJTPO. Proposals were evaluated based on the technical approach, value given stated costs, consultant team qualifications, and DBE participation. Reviewers unanimously agreed that AECOM could ably complete the technical study as they have completed this same work for SJTPO in the past. Minor revisions to the scope and schedule were negotiated with the total revised cost estimate of **\$34,478**, with a 13.32% DBE participation.

The project will be funded within SJTPO's Technical Program in FY 2022 UPWP, as Task 22/404 Air Quality Technical Assistance with a \$35,000 budget. The task was added to the FY 2022 UPWP as a two-year study, with an anticipated project completion date of December 31, 2022.



FY 2022 **Air Quality
Technical Assistance**



AECOM Address
1255 Broad Street, Suite 201
Clifton, NJ 07013
www.aecom.com

T: 973.883.8500

F: 973.883.8501

March 30, 2022

Mr. David S. Heller
Program Manager
South Jersey Transportation Planning Organization
782 South Brewster Road, Unit B6
Vineland, New Jersey, 08361

**RE: Request for Proposals
FY 2022 Air Quality Assistance**

Dear Mr. Heller:

AECOM Technical Services, Inc. (AECOM) is pleased to submit this proposal to conduct emission analysis for the *FY2022 Air Quality Assistance*. AECOM and its team members are uniquely qualified to conduct this work, as our team provides extensive skills in environmental and air quality analysis, transportation planning and infrastructure design. Our specific skills and experience in emissions and air quality analysis are unparalleled.

AECOM has participated in air quality analyses and emission data development on behalf of SJTPO for two decades. In the process of doing so, AECOM has developed unique tools, data and methods that are customized to the needs of SJTPO and its partnering agencies in New Jersey. Because of the close relations that AECOM maintains with NJDOT, NJDEP and other agencies, the firm has a thorough understanding of the local issues that can be encountered in conducting regional air quality modeling and emission inventories, and is fully prepared to respond to the scope of work for of this Request for Proposal.

The AECOM Team includes **Sobers Consulting LLC (Sobers)**, a certified Disadvantaged Business Enterprise (DBE) company, to support technical analysis. Sobers has worked together with AECOM extensively, including on previous rounds of air quality analysis for SJTPO.

AECOM proposes **Ms. Anna Aleynick, PTP, ENV-SP** as our Project Manager. Ms. Aleynick brings nearly two decades of transportation planning practice in the New Jersey, Pennsylvania and New York region, and is widely known for her skills in transportation air quality and emissions analysis. She has served as Project Manager for a variety of emissions related projects both within the region and nationally. She has also supported AECOM's development of air quality analysis tools.

Ms. Aleynick will be supported by Senior Technical Advisor, **Tushar Patel, PE**. Mr. Patel has led numerous transportations planning and modeling efforts for SJTPO including revalidation of the regional model, household survey technical support, and assisted in previous rounds of air quality analysis. He has provided technical assistance to NJDOT, NJ Transit, NJTPA, DVRPC, and PennDOT.



I hereby attest to AECOM's eligibility to perform this project and commit the firm's extensive resources to conducting and completing the project. I confirm that I have read the Standard Contract Agreement boilerplate and AECOM respectfully requests contract modifications to include previously discussed/negotiated terms and conditions from our most recent Planning based contract for similar work (SJTPD's FY 2021 Professional and Technical Services contract).

If you should have any questions or require further information, please do not hesitate to contact Anna Aleynick at 973-883-8648 (anna.aleynick@aecom.com) or myself at 201-759-7500 (ira.quiat@aecom.com).

Thank you for your consideration of our team for this important and exciting project.

Very truly yours,

AECOM Technical Services, Inc.

A handwritten signature in blue ink, appearing to read "Ira Quiat".

Ira Quiat, PE
Vice President
Planning Department Manager

VII. CONSULTANT CHECK OFF LIST

THE FOLLOWING ITEMS, AS CHECKED BELOW, MUST BE SUBMITTED WITH YOUR PROPOSAL PACKAGE ALONG WITH THE CHECKLIST ITSELF:

If Checked, required by SJTPO		Check if Read, Signed & Submitted
X	1. CHECK LIST	<input checked="" type="checkbox"/>
X	2. SIGNED COVER LETTER ACCEPTING SJTPO STANDARD CONTRACT AGREEMENT OR PROPOSING CHANGES THERETO	<input checked="" type="checkbox"/>
X	3. MANDATORY AFFIRMATIVE ACTION LANGUAGE "EXHIBIT A"	<input checked="" type="checkbox"/>
X	4. SET OFF FOR STATE TAX "EXHIBIT B"	<input checked="" type="checkbox"/>
X	5. REQUIRED AFFIRMATIVE ACTION EVIDENCE FOR PROCUREMENT, PROFESSIONAL, AND SERVICES CONTRACTS "EXHIBIT C"	<input checked="" type="checkbox"/>
X	6. SAMPLE STAFFING PLANS "EXHIBIT D"	<input checked="" type="checkbox"/>
X	7. NJ BUSINESS REGISTRATION CERTIFICATE "EXHIBIT E"	<input checked="" type="checkbox"/>
X	8. DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN "EXHIBIT F"	<input checked="" type="checkbox"/>
X	9. W-9 FORM "EXHIBIT G"	<input checked="" type="checkbox"/>
X	10. INSURANCE ACKNOWLEDGMENT "EXHIBIT F"	<input checked="" type="checkbox"/>

PLEASE NOTE: IF THE ITEMS CHECKED ABOVE ARE NOT INCLUDED IN YOUR PROPOSAL PACKAGE, IT MAY BE CAUSE FOR REJECTION.

AECOM Technical Services, Inc.

(Company)

Vice President

(Title)

(Signature)



(Date)

3/22/22

Ira Quiat

(Name - Print or Type)

Narrative

BACKGROUND

The transportation system in Atlantic, Cape May, Cumberland, and Salem Counties is vital to the economic health of the region. To maintain this condition people and goods must be able to move throughout the region efficiently. As the regional Metropolitan Planning Organization (MPO), the SJTPO is responsible for helping to maintain the success of the transportation system in southern New Jersey while maintaining conformance with National Ambient Air Quality Standards (NAAQS) as promulgated by the Clean Air Act Amendments of 1990 (CAAA) and ensuing legislation and regulations.

SJTPO provides technical assistance to the New Jersey Department of Environmental Protection (NJDEP) in analyzing emissions for State Implementation Plan (SIP) by creating regional transportation activity inputs into the statewide emissions inventory.

This project will prepare new Motor Vehicle Emissions Budgets (MVEB) for the New Jersey Department of Environmental Protection's (NJDEP) upcoming Ozone Attainment Demonstration SIP revision. This will help SJTPO conduct technical analysis and develop air quality data necessary for the New Jersey on-road mobile source ozone emission inventory (SJTPO portion) as well as provide input data to NJDEP. Development and use of the new MVEB will allow SJTPO to continue conformity to the NAAQS, thereby allowing all projects within the Transportation Improvement Program (TIP), Regional Transportation Plan (RTP), and other transportation projects of the regional significance, to proceed without delay.

The AECOM Team brings unique skills and innovation to the project:

- **Leadership role in NJDOT's Air Quality Working Group**
- **Leading role in on-road emission data development - SIP and NEI - in NJ and PA**
- **MOVES temporal files prepared by the Team accepted by USEPA as the basis for national defaults**
- **Responsibility for the current updates to the SJTPO regional travel model**
- **Direct support for NJDOT in emission related matters**
- **Innovative off-model travel forecasting and emission estimation methods**

The AECOM team previously assisted SJTPO and NJDEP with multiple rounds of air quality conformity determination, developing the Motor Vehicle Emission Simulator (MOVES) inputs, and assisted in calculating SJTPO 4-county regional emissions for New Jersey statewide SIP. We will use our extensive experience to assist SJTPO in air quality data development effort providing coordination with NJDOT and NJDEP.

TECHNICAL APPROACH

Several factors related to the national emission standards, travel demand model post-processing, and data development must be accounted-for while performing the regional air quality analysis:

8-Hour Ozone Standard

In October 2015, based on its review of the air quality criteria for ozone and related photochemical oxidants, the EPA revised the primary and secondary NAAQS for ozone to protect public health and welfare (80 FR 65292). The EPA revised the levels of both standards to the 70 parts per billion (ppb), and retained their indicators, forms (fourth-highest daily maximum, averaged across three consecutive years) and averaging times (eight hours). Under the Clean Air Act, the EPA Administrator must make all attainment designations within two years after a final rule revising the NAAQS is published.

The SJTPO region is part of the Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE 8-Hour Ozone Nonattainment Area. Because the Area did not attain the 70 ppb standards by the Marginal Attainment date of August 3, 2021, the entire air quality region – including all four SJTPO counties - is scheduled to be bumped up from a "Marginal" to a "Moderate" Nonattainment Area. As such, the NJDEP must prepare an Attainment Demonstration SIP revision that shows how the State will ultimately attain the 70-ppb standard.

Although the NJDEP is the primary author of the SIP, the agency relies on MPOs (in this case, SJTPO), to derive transportation activity data from the travel demand model. The activity data is an important input to the MOVES emission model that is used to calculate on-road transportation emission quantities for the SIP.

Through the past two decades, the AECOM Team has

directly supported SJTPO and the NJDEP with expert technical guidance, ensuring that air quality modeling and analysis is undertaken to meet all EPA and FHWA requirements. This work has included assistance in establishing prior volatile organic compound (VOC) and oxides of nitrogen (NOx) Motor Vehicle Emission Budgets (MVEB) and support demonstrating that the SJTPO transportation Plan and its updates conform to the overall plan to reach the region's air quality goals. AECOM has also developed custom software and post-processing packages to estimate the variety of daily and annual emissions for four counties in the SJTPO region; this process will be applied to develop input data and emission summaries for the proposed SIP.

MOVES and PPSUITE

The AECOM Team has applied MOBILE and MOVES emission models for air quality analysis in the SJTPO region for more than two decades. Since 2013 MOVES has been used with the South Jersey Travel Demand Model (SJTDM) post-processor. Last year, AECOM developed data for-, and implemented, the latest MOVES3 emission model to support NJDEP with 2020 National Emission Inventory (NEI) tasks.

The Team has worked extensively with the evaluation of MOVES, providing feedback to NJDOT's Air Quality Working Group with respect to data development and implementation. This working group has included NJDOT, NJDEP, SJTPO, NJTPA and DVRPC. Working group meetings have provided a useful forum for AECOM and its partners to achieve a thorough understanding of MOVES methods, data, and results. AECOM has directly supported NJDEP's efforts to use MOVES for the most current round of SIP preparation. The lessons learned in that endeavor will help us to meet SJTPO's needs for this project more efficiently.

PPSUITE is a travel demand model and emissions analyzer post-processing tool that links the current SJTPO travel model to MOVES. PPSUITE has been in use in New Jersey and nearly a dozen other states and jurisdictions for over 25 years and has achieved a high level of maturity and technical strength. In conjunction with this work and similar work for other states, AECOM's PPSUITE post-processing software has been thoroughly revised, tested, and validated in its support for the MOVES3 software.

Through interagency coordination and subsequent coordination with the NJDEP and the EPA, AECOM has been able to obtain the emissions program descriptions appropriate for South Jersey. We anticipate repeating this process for the proposed 2023 SIP development. The AECOM Team will utilize the EPA's latest release of MOVES3.0.3 (MOVES3) with the *movesdb20220105* default database as the emissions forecasting program.

Together, PPSUITE and MOVES provide the most comprehensive and flexible available platform for transportation network and emissions analysis. Its use by NJDEP to analyze emissions for prior SIP revisions, and by the NJDOT and the NJTPA for their emissions modeling activities, and by neighboring states and MPOs as well (PennDOT, Lehigh Valley, PA and Baltimore MD), indicates both its acceptance in the broad emissions analysis community and the depth of support that is offered not only by the consultant team, but also by peer users. We will continue to actively monitor the EPA's progress in updating MOVES and related modeling requirements. In response, we will continue to prepare appropriate software updates and input data.

MOVES3 Settings and Inputs

The PPSUITE/MOVES package has already been installed at SJTPO for the prior MOVES2014b model. AECOM is continually enhancing its PPSUITE software to support the MOVES3 version. Input data – statewide and county specific – has been updated in 2021 for MOVES3 by AECOM for the NEI support effort and with guidance from the NJDOT and NJDEP. This data together with the updated motor vehicle registration and 2021 HPMS VMT will be applied for the proposed project emissions estimates.

The AECOM Team will continue to work closely with the NJDEP and the EPA so that the proper local settings and inputs are used for MOVES. The updated emission model not only expands run specifications to new fuel/vehicle combinations and output aggregation options, but has also created significant changes to the activity and non-activity inputs. The MOVES activity inputs are based on travel demand model results. The correct file structure of these inputs will be verified by using the most current CENTRAL/PPSUITE software updated for MOVES3. The setting of non-activity inputs includes inspection and maintenance program specifications, vehicle registration data, vehicle mix data, anti-tampering program description, fuels, meteorology, source type population, engine retrofit programs, and low emission vehicle programs. It should be noted that truck idling activity (hotelling) and ramp fractions were removed from the local inputs in New Jersey.

The latest CENTRAL/PPSUITE/MOVES setup installed at SJTPO includes a daily vehicle miles traveled (VMT) input option that will be applied for SJTPO daily ozone precursors estimates – VOC and NOx. That upgrade to daily VMT makes MOVES input VMT consistent with information generated by the regional travel demand model.

HPMS VMT Adjustments

Before travel activity data can be calculated, the VMT calculated from the travel demand model's traffic assignment process must be adjusted to match reported VMT quantities from the Highway Performance Monitoring System (HPMS). These VMT adjustments will be estimated for the 2021 base year and applied to 2023 SIP emissions estate. AECOM will capture the 2021 NJDOT HPMS VMT data and prepare updates presenting all assumptions for the Interagency Consultation Group (ICG). It should be noted that typically NJDOT publishes HPMS VMT each year at the end of September. However, there could be a data approval delay affecting the NJDOT HPMS VMT update schedule impacting the proposed project deliverable timeline.

Interagency Coordination

Coordination is an ongoing focus throughout the air quality analysis, emission inventory, and conformity determination process. It is essential to keep participating agencies and entities informed of the progress, methods, and products in use for the determination. The SJTPO Project Manager (PM) will convene the ICG meetings as necessary. These meetings may be via conference call or in person. The AECOM Team will work directly with the SJTPO PM to coordinate with the ICG members (i.e., other SJTPO staff, USEPA, NJDEP, NJDOT and representatives from the involved counties). If other work is required to meet CAAA standards in developing 2023 SIP, the AECOM Team will work closely with the PM and member agencies to identify and implement solutions to keep the project on track.

SCOPE OF SERVICES

Task 1. Coordination

This Task covers project management activities including communications and progress reporting. The AECOM team will establish an effective means of coordinating and reporting work activities to the SJTPO PM and staff.

At the beginning of the project the AECOM PM will prepare a schedule depicting major work elements, activities, and milestones. The PM will submit this schedule at the kick-off meeting/conference call for the SJTPO review and approval. The AECOM team will follow the approved schedule as closely as possible throughout the course of the project, with any changes subject to approval of the SJTPO PM.

The AECOM team will assist SJTPO by attending the ICG meeting (conference call).

Bi-weekly status reports will be provided to the SJTPO PM in addition to the coordination calls at project milestones, including the status of DBE/ESBE work and progress towards the established goal. We will provide all related

inputs, process, outputs, and documents to SJTPO for their record. The AECOM PM will coordinate with the SJTPO PM to determine the best process for data and document transfer.

The AECOM Team will update the post-processor User's Guide documentation to reflect specific SJTPO implementation conditions.

We will create a backup and installation DVD for SJTPO. Also, full copies of CENTRAL/PPSUITE/MOVES input and output files, for two scenarios, will be provided on this DVD.

AECOM believes that quality is everyone's job – from the CEO to the entry-level technician

AECOM will provide QA/QC of the process and deliverables according to industry standards and the high-quality management requirements set by ISO standards. Our approach to quality follows the international standard for quality management systems (QMS), ISO 9001. As one of the few ISO 9001-certified professional and technical services firms in North America, AECOM developed its system to address the standard's requirements. We regularly confirm our compliance with these standards through formal auditing and verification. Initially certified in 2002, we have continuously expanded the scope of our ISO certification. In fact, during 2011 we achieved a single, unified ISO 9001:2008 certification covering all our business lines in North America.

Project deliverables for Task1: Coordination will include the following:

- **Deliverable 1.a: Bi-weekly emails:** AECOM Team will provide bi-weekly progress reports to the SJTPO PM via email. We will organize a project kick-off meeting/conference call and task completion milestone conference calls with SJTPO PM and staff.
- **Deliverable 1.b: Installation of Modeling Software:** The AECOM Team will update the CENTRAL/PPSUITE/MOVES User's Guide, create CENTRAL/PPSUITE installation DVD and provide required software license to run the post-processor at the SJTPO office.

Task 2. Preparation and Testing of Motor Vehicle Emissions Budgets for 2023

New Jersey Department of Environmental Protection coordinates statewide air quality analysis effort and data development. The AECOM team will lead the data development and emission estimates for four counties in the SJTPO region to support NJDEP's undertakings in submitting its attainment demonstration State Implementation Plan (SIP). We will apply CENTRAL/

PPSUITE/MOVES setup for emission estimates and reporting. The SJTPO staff will provide loaded highway networks for 2021 and 2023 year/scenario and participate in coordination with NJDEP and NJDOT. We will also coordinate with the ICG, NJDOT and NJDEP and additional updates in data development and emission modeling. Emissions will be calculated for two categories of pollutants: VOC and NOx.

Combinations of computer programs centered on the MOVES and PPSUITE post-processor programs will be used to estimate 2023 MVEB in the SJTPO region. The PPSUITE software has been developed by AECOM and has been used by SJTPO, the NJDOT the NJDEP and NJTPA for emissions estimation in New Jersey. PPSUITE has been successfully transitioned to MOVES3 emission model, which will be utilized for the NEI analysis at SJTPO in 2021.

PPSUITE has consistently been shown to meet all the Federal guidelines and regulations for regional Conformity Analysis as specified in Transportation Conformity Rule 40 CFR Part 93. PPSUITE has repeatedly provided the local data that was the subject of SJTPO's certification by federal agencies.

The AECOM Team understands that coding of regionally significant, non-exempt transportation projects into the proper South Jersey Travel Demand Model (SJTDM) highway and transit networks and other input files will be done by the SJTPO staff. We will provide quality assurance by reviewing the SJTDM resulting networks, as well as monitoring project effects on the emissions estimates for each scenario and year.

The AECOM Team will provide the SJTPO PM with a technical memorandum summarizing the data development methodology and emission estimate results. We will create a data DVD for SJTPO.

Project deliverables for Task 2: Preparation and Testing of 2023 MVEB will include the following:

- **Deliverable 2.a: QA/QC of Loaded Transportation Networks:** The AECOM Team will receive 2021 and 2023 loaded transportation networks from SJTPO and perform quality review to ensure model links are accurate; (i.e., have accurate functional classifications, facility types), and model volumes, VMT, average speeds, and other outputs are reasonable. At the end of the review process, we will provide a technical memorandum summarizing edits/adjustments to network and/or any other input and output files.
- **Deliverable 2.b: Draft motor vehicle emissions budgets:** The AECOM team will prepare all necessary MOVES inputs and use CENTRAL/PPSUITE/MOVES to estimate VOC and NOx emissions for two scenarios. The AECOM Team will provide a brief technical memorandum summarizing the data development process, assumptions, methodology and results. SJTPO will run post processor/MOVES emissions model chain in parallel with the consultant. The consultant will provide technical assistance as needed up to the level defined in the cost estimate as SJTPO runs the PPSUITE/MOVES model and works to match (or benchmark) the emissions budget and annual emissions inventory calculated by the consultant.
- **Deliverable 2.c: Summary of Test Results:** The AECOM team will compare a proposed 2023 MVEB for VOC and NOx with the emission results from SJTPO's current Transportation Conformity analysis. The AECOM Team will provide a brief technical memorandum summarizing the data comparison and demonstrating the sufficiency of the proposed MVEBs.
- **Deliverable 2.d: Data Delivery:** The AECOM Team will provide a brief technical memorandum summarizing the data development process, assumptions, methodology and results. The AECOM Team will provide a data CD to the SJTPO and NJDEP or transfer data via FTP.
- **Deliverable 2.e: Technical Memorandum:** AECOM will develop a brief technical memorandum summarizing process and results of the annual on-road inventory.

A full site license (for the SJTPO office in Vineland) for CENTRAL/PPSUITE will be provided to SJTPO. The CENTRAL/PPSUITE software is for use in the SJTPO office only and may not be transferred to others without prior arrangement with AECOM. This will be a perpetual license. MOVES and related data are in the public domain.

Staffing Plan

The Organization Chart in Section F summarizes the relationships among the key personnel at AECOM and Team Members who will participate in the project:

Anna Aleynick will serve as AECOM Project Manager. She has over a decade of experience with air quality related matters in New Jersey and the surrounding region, including projects with SJTPO. She will be assisted by Project Director **Ira Quiat**, and Senior Technical Advisor **Tushar Patel**.

Anna Aleynick will lead emissions modeling tasks with PPSUITE and MOVES. **Tushar Patel** and **Yogesh Patel** will be responsible for travel model network review. **Terrence Sobers** of Sobers Consulting will bring his experience in technical review, data quality control, and project documentation. For this project Sobers Consulting will assume the role of data management and data quality review as it relates to the travel demand and emission model outputs. Sobers will provide review and QA/QC PPSUITE/PQUEST emission outputs for 2021 base and 2023 SIP scenarios and summary data. **Priyal Pandya** and **Paola Moncada** will coordinate the data development effort.

Staffing Plan

The staffing plan for the proposed work is shown in the following table. Altogether the AECOM Team will expend 252 person hours:

AECOM	226 hours
Sobers Consulting LLC	26 hours
Total	252 hours

Sobers Consulting LLC is a certified Disadvantaged Business Enterprise (DBE). Sobers Consulting has been allocated 13.32% of the project's budget.

A number of elements of this project cannot be determined at this time including:

- Additional, unanticipated meetings beyond those highlighted in Task 1
 - The timeline of 2021 HPMS VMT availability from NJDOT.
- Should additional efforts be needed to complete any task item or in the case of the schedule change, AECOM will alert SJTPO as soon as possible. AECOM will then work with SJTPO to identify the best way to proceed while remaining within the available budget.

FY 2022 Air Quality Assistance Staffing Plan

Name	Title	Rate	Hours		
			Task 1	Task 2	Total
AECOM					
Ira Quiat	Project Director	\$ [REDACTED]	2	0	2
Tushar Patel	Senior Advisor	\$ [REDACTED]	0	8	8
Anna Aleynick	Project Manager	\$ [REDACTED]	16	40	56
Paola Moncada	Transportation Planner	\$ [REDACTED]	0	80	80
Yogesh Patel	Transportation Planner	\$ [REDACTED]	0	32	32
Christopher Lee	Quality Review	\$ [REDACTED]	0	8	8
Priyal Pandya	Environmental Engineer	\$ [REDACTED]	0	40	40
Sub-total hours			18	208	226
Sobers Consulting LLC					
Terrence Sobers	Principal	\$ [REDACTED]	2	24	26
Sub-total hours			2	24	26
Summary of All Firms			20	232	252

Project Schedule

The project schedule is shown in the following table. As specified in the RFP, Notice To Proceed is assumed to be on or about June 15, 2022. The New Jersey statewide SIP input data and run results will be completed and delivered to SJTPO and NJDEP by October 14, 2022. The MVEB delivery date is contingent upon NJDOT 2021 HPMS VMT data availability by September 15, 2022. The summary test results and regional emissions analysis for the 2021 and 2023, technical documentation, and file transfer will be completed by December 16, 2022. This schedule will allow enough time for review, feedback, and any technical changes, if such required.

Task	FY 2022 Air Quality Assistance	Estimated End Date or Task Duration
	Notice to Proceed	June 15, 2022
	Kickoff Meeting	June 20, 2022
Task 1. Coordination		
1.a.	By-weekly project progress coordination	July 1– Dec 30, 2022
1.b.	ICG meeting – conference call	September 30, 2022
1.c.	Assistance with the software installation and training meeting (webinar)**	October 12, 2022
Task 2. Preparation and Testing of Motor Vehicle Emissions Budgets for 2023		
2.a.	SIP Travel demand model results review and technical summary	July 15 – Sept 15, 2022
2.b.	SIP/MVEB data development, QA/QC, and coordination with NJDEP	Sept 15 – Oct 14, 2022*
2.c.	SIP emission modeling and reporting	Sept 15 – October 14, 2022
2.d.	Compare current AQ Conformity results with the proposed 2023 MVEB	Nov 1– Nov 11, 2022
2.e.	SIP Technical documentation and data DVD to SJTPO and NJDEP	December 16, 2022

* Note: The Completion of data development and 2021 HPMS VMT adjustment estimate are contingent upon timely VMT data availability at NJDOT.

** Task 1.c. Assistance with the software installation and training meeting (webinar) will be concurrent with

Task 2.c.

Total Costs

Task	Task Name	Cost per Task
Task 1	Coordination	\$3,990
Task 2	Preparation and Testing of Motor Vehicle Emissions Budgets for 2023	\$30,387
	Expenses	\$100
	Total	\$34,478

Breakdown of All Other Charges

FY 2022 Air Quality Assistance

June 1, 2022 - December 30, 2022

SUMMARY BUDGET FORM

LABOR COSTS

Direct Labor	\$11,527
Overhead at 130.7%	\$15,066

Subtotal Labor **\$26,593**

NON-SALARY DIRECT EXPENSES

Graphics	\$0
Travel	\$0
Postage	\$100

Subtotal Non-Salary Direct Expenses **\$100**

SUBCONSULTANTS

Sobers Consulting LLC (DBE)	\$4,594
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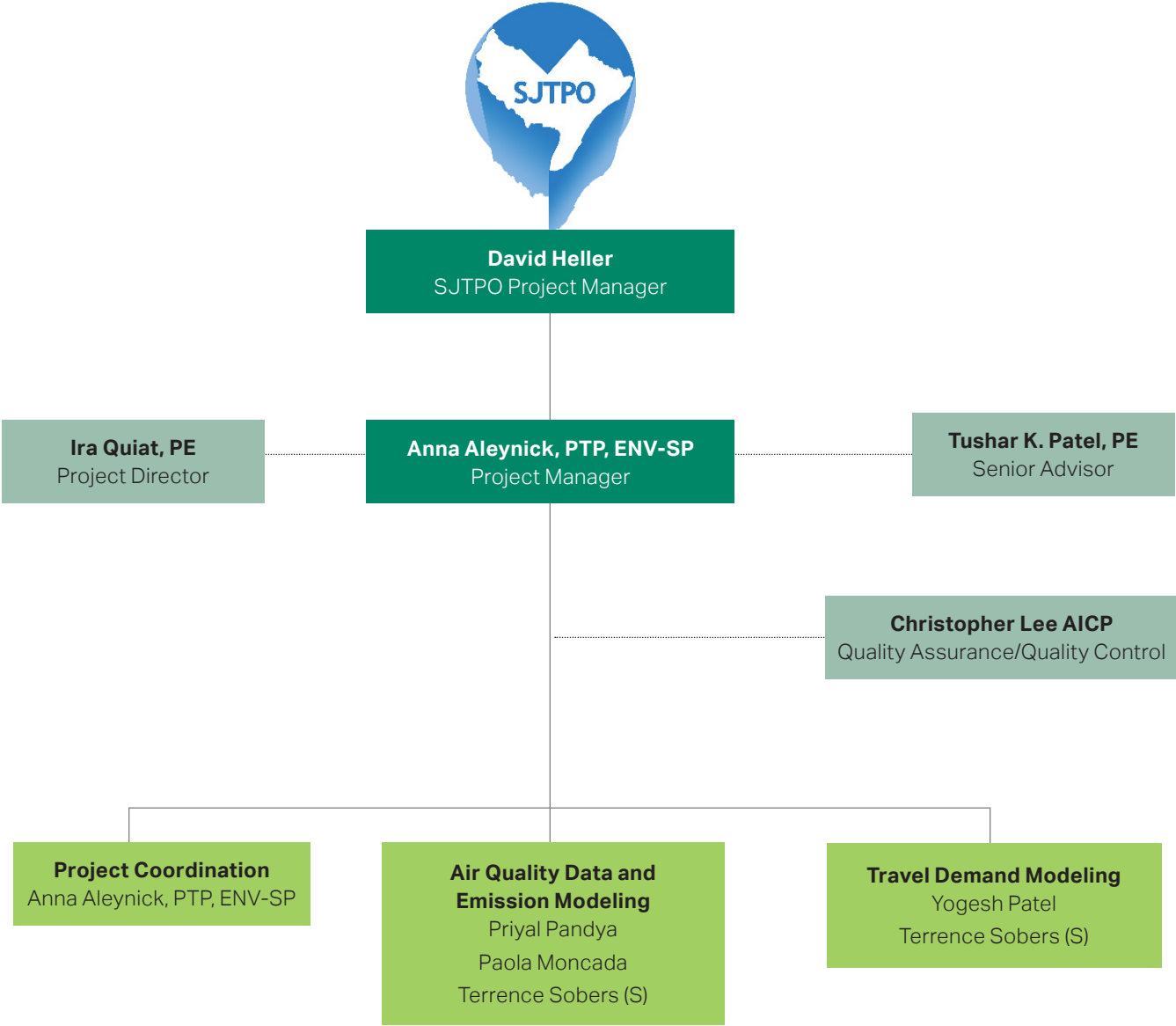
Subtotal Subconsultants **\$4,594**

FIXED FEE (12%) **\$3,191**

TOTAL **\$34,478**

DBE Participation **13.32%**

Organizational Chart



All staff are AECOM employees except where indicated
(S) Sobers Consulting LLC

SOUTH JERSEY TRANSPORTATION PLANNING ORGANIZATION

RESOLUTION 2205-16: Approving the Selection of AECOM Technical Services, Inc. as the Consultant for the Air Quality Technical Assistance

WHEREAS, the South Jersey Transportation Planning Organization (SJTPO) is the Metropolitan Planning Organization (MPO) designated under Federal law for the southern region of New Jersey including Atlantic, Cape May, Cumberland, and Salem Counties; and

WHEREAS, the Fiscal Year 2022 SJTPO Unified Planning Work Program (UPWP) includes Federal Highway Administration planning funds for this project; and

WHEREAS, the Notice of Availability of Requests was sent to 252 contacts on March 3, 2022; and

WHEREAS, the Request for Proposal (RFP) announcement and supplemental materials were also posted on the publicly accessible SJTPO website; and

WHEREAS, one (1) proposal was received; and

WHEREAS, the SJTPO Technical Advisory Committee (TAC) endorsed the consultant selection committee with representatives from the New Jersey Department of Transportation (NJDOT), the New Jersey Department of Environmental Protection, the City of Vineland, and SJTPO, who reviewed and evaluated the proposals in accordance with SJTPO's published criteria; and

WHEREAS, the Consultant Selection Committee recommends AECOM Technical Services, Inc., in association with Sobers Consulting LLC serving as the Disadvantaged Business Enterprise (DBE) firm; and

WHEREAS, the SJTPO TAC, at their May 9, 2022 meeting, endorsed the recommendation of the Consultant Selection Committee; and

WHEREAS, this project will be funded within SJTPO's Technical Program in the FY 2023 UPWP as Task 22/404 Air Quality Technical Assistance within a budget of \$35,000.00; and

WHEREAS, the project cost is \$34,478.00 with a 13.32%, DBE participation, compared with SJTPO's DBE/ESBE goal of 13.23%; and

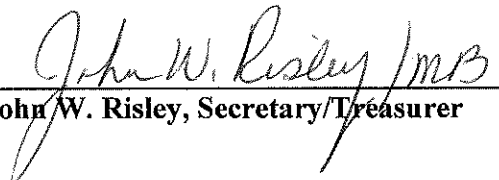
NOW, THEREFORE, BE IT RESOLVED, that the Policy Board of the South Jersey Transportation Planning Organization hereby approves the above selection for the FY 2021 Air Quality Technical Assistance technical study, with a maximum fee of \$34,478.00 and 13.32% DBE participation; and

BE IT FURTHER RESOLVED, that the Policy Board authorizes the Executive Director to execute the scope of work and cost modifications to the original contract amount, provided that funding is available and such modifications have been approved by the NJDOT, SJTA, and the SJTPO.

BE IT FURTHER RESOLVED, that the Policy Board requests that the South Jersey Transportation Authority execute the appropriate contractual arrangements with the consultant on behalf of the SJTPO.

Certification

I hereby certify that the foregoing is a correct and true copy of a resolution adopted by the Policy Board of the South Jersey Transportation Planning Organization at its meeting on May 23, 2022.


John W. Risley, Secretary/Treasurer