

**AMENDMENT NO. 1**

**PROJECT:**                    **Box Hangar Taxilane and Box Hangar Apron Pavement Reconstruction  
Ann Arbor Municipal Airport  
Construction Observation & Administration**

**Federal Project No.: 3-26-0005-21625**

**MDOT Contract No.: 222179**

This Amendment is made and entered into this date of \_\_\_\_\_, by and between the City of Ann Arbor, hereinafter referred to as the "SPONSOR", and C&S Engineers, Inc., hereinafter referred to as the "CONSULTANT".

**WITNESSETH:** Whereas the SPONSOR and the CONSULTANT have entered into a Lump Sum Consultant Agreement for professional design engineering services dated 11/14/2024 for the undertaking of the above titled project, and the SPONSOR and the CONSULTANT agree to amend said Agreement with this Amendment No. 1 in accordance with the following:

**NO. 1:** Scope of Work - attached hereto, is added and made part of the Agreement.

**NO. 2:**                    The parties hereto agree that the total lump sum fee payable under this agreement be increased by **\$38,800.00**

**NO. 3:**                    Cost Summary - attached hereto, is added and made part of the Agreement.

Except as amended herein the aforementioned Consultant Agreement and all terms and conditions contained therein between the SPONSOR and CONSULTANT shall remain in full force and effect.

**IN WITNESS WHEREOF,** the parties have caused this Amendment to be entered into as of the date set forth above.

**FOR THE CITY OF ANN ARBOR**

By \_\_\_\_\_  
Christopher Taylor, Mayor

By \_\_\_\_\_  
City Clerk

Date: \_\_\_\_\_

**Approved as to substance**

\_\_\_\_\_  
Milton Dohoney Jr., City Administrator

**Approved as to form and content**

\_\_\_\_\_  
Atleen Kaur, City Attorney

**CONSULTANT**

**C&S ENGINEERS, INC.**

**By:** \_\_\_\_\_  
Aaron Aljets, P.E.

**Title:** \_\_\_\_\_  
Principal Engineer

**Date:** \_\_\_\_\_

## SCOPE OF SERVICES

**Project Title:** Northwest T-Hangar Apron Pavement  
**Project A:** Reconstruct Hangar Apron –  
Reconstruct Northwest T-Hangar Hangar Apron Adjacent to Box Hangars  
**Project B:** Reconstruct Taxilane –  
Reconstruct Northwest T-Hangar Taxilane Adjacent to Box Hangars  
**Airport Name:** Ann Arbor Municipal Airport  
**Sponsor:** City of Ann Arbor  
**Services Provided:** Construction Administration and Observation Services

### PROJECT DESCRIPTION:

The CONSULTANT shall provide required services to provide construction administration and observation the Northwest T-Hangar Apron Pavement project (the "Project"). The project will be broken into two separate elements, but bid as a single project, Project A which includes the hangar apron pavement and Project B which is the taxilane pavement. The overall project preliminary construction budget for project A and B is \$400,000. The Project will be performed and constructed by the SPONSOR with grant assistance from the Federal Aviation Administration (FAA) Airport Improvement Program (AIP) and the Michigan Department of Transportation (MDOT).

Project A: Reconstruct Hangar Apron – Reconstruct Northwest T-Hangar Hangar Apron Adjacent to Box Hangars (Orange Area in Figure 1 Below)

The project will include the reconstruction of a segment of the pavement identified as THWESTAA-20 on the Airport's Pavement Management Report. This segment of pavement has a PCI rating of 29 as of November 2023, the worst condition of pavement at the airport. The pavement was originally installed in 2009. This hangar apron gets heavy usage as it is adjacent to the larger row of sponsor owned box hangars. Many of these based aircraft are larger and more frequently used than the typical aircraft in the airport's t-hangars.

The hangar apron encompasses 33' of width within this pavement segment. The remaining 25' of pavement within the segment is part of a separate concept to reconstruct the taxilane located immediately to the west and adjacent to the hangar apron pavement.

The existing 33' of hangar apron pavement will be removed, the base inspected and modified as necessary. The hangar apron will be asphalt and will be designed to meet current FAA

standards. The concrete trench drain will need minor repairs to ensure long term integrity of the drain structure.

Project B: Reconstruct Taxilane – Reconstruct Northwest T-Hangar Taxilane Adjacent to Box Hangars (Green Area in Figure 1-1 Below)

The project will include the reconstruction of the segment of the taxilane identified as THWESTAA-20 on the Airport's Pavement Management Report. This segment of pavement also has a PCI rating of 29 as of November 2023, comparable to the poor condition of the adjacent apron area. The pavement was originally installed in 2009. This taxilane gets heavy usage as it is adjacent to the larger row of sponsor owned box hangars. Many of these based aircraft are larger and more frequently used than the typical aircraft in the airport's t-hangars.

The taxilane encompasses a 25' width of pavement within this segment. The remaining 33' of width within this pavement segment is part of a separate concept to reconstruct the hangar apron pavement located between the taxilane and sponsor owned box hangars.

The existing 25' of taxilane pavement will be removed, the base would be inspected and modified as necessary. The taxilane will be asphalt and will be designed to meet current FAA standards.

## Project Figure:

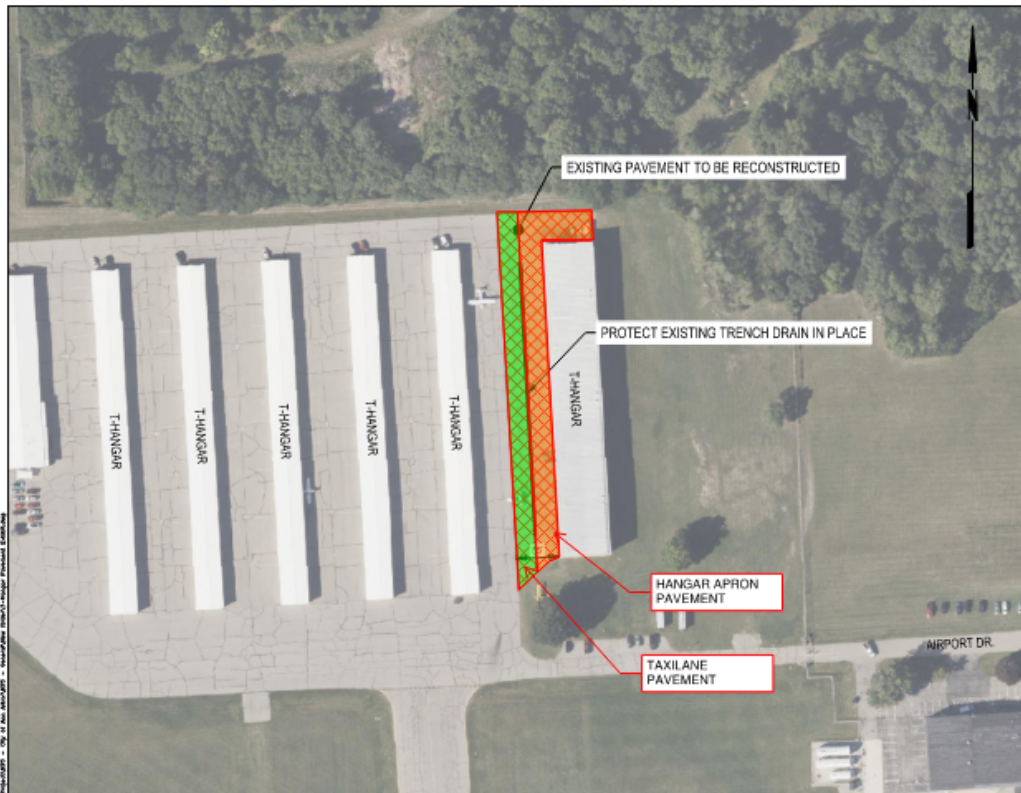


Figure 1-1

### Reconstruct Hangar Apron

SCALE = 1" = 100'



ANN ARBOR MUNICIPAL AIRPORT  
ANN ARBOR, MI

## ANTICIPATED CONSTRUCTION SCHEDULE

Contract Execution	June 1, 2026
Construction Notice to Proceed	June 15, 2026
Construction Substantial Completion	June 22, 2026
Construction Closeout Complete	August 1, 2026

## TASK 1- PROJECT MANAGEMENT

### 1.1 Project Management

The CONSULTANT will manage and direct its staff and subconsultants for the duration of the construction project and required closeout period. The Project Manager will serve as the point of contact with SPONSOR and/or SPONSOR's designated representative and the CONSULTANT Team and provide timely dissemination of information, direction and reporting to and from SPONSOR, FAA and others as directed by SPONSOR for the successful production, technical quality and schedule performance of this scope of services. Perform project management duties such as project planning, budget evaluation, invoice preparation, and schedule coordination.

### **1.1.1 Communication with SPONSOR**

Communicate with SPONSOR regularly. Assume 2 hours weekly (10 weeks) of Project Manager communication by email, phone, video, and/or conference calls using live file sharing.

### **1.1.2 Invoice Preparation**

Perform invoice preparation, assume a total of 3 invoices.

### **1.1.3 Schedule Coordination**

Provide continued coordination so that Project schedules are met by the CONSULTANT team.

## **1.2 Management Plan**

The CONSULTANT will develop and provide SPONSOR a Management Plan that will define how the CONSULTANT will execute this scope of services. The Management Plan will include the following sections:

### **1.2.1 Project Planning**

This section will provide initial planning on budget, staffing, stakeholder management, communications, and team responsibilities.

### **1.2.2 Quality Control and Assurance Plan**

The CONSULTANT will develop a Project Quality Control and Assurance Plan as required by the FAA.

### **1.2.3 Monitor and Control**

This section will define tools and techniques associated with tracking, reviewing and reporting progress.

### **1.2.4 Project Closeout**

This section will define tools and techniques to close both the construction project and this Scope of services.

## **1.3 Progress Reports**

The CONSULTANT will provide the following reports at the frequency stated;

### **1.3.1 FAA Form 5370-1 Construction Progress and Inspection Report**

Four (4) Quarterly FAA Form 5370-1 Construction Progress and Inspection

Reports will be completed and submitted to the SPONSOR.

**1.3.2 Project Status Reports**

Monthly (8 months) progress reporting in writing to SPONSOR outlining the status of the work effort relative to the scope, schedule and budget. Issues affecting the progress and corrective actions necessary will be identified and implemented as appropriate.

**1.4 Document Management and Record Keeping**

The CONSULTANT will utilize electronic construction applications for document management and project record keeping. The CONSULTANT will provide software training for SPONSOR’s project manager and other staff who need to utilize the “e” construction applications.

**1.4.1 Document Management**

All project documents relating to Reporting, Design Directives, Submittals and Shop Drawings, Requests for Information, Test Results and Payrolls will be posted and stored on Doc Express, a web-based document management application. And will be made available to appropriate SPONSOR staff.

**1.4.2 Item Administration**

Daily Construction Record Keeping will be conducted on Appia, a web-based Construction Administration Application. Appia will be the location where Engineer’s Diaries, Daily Inspection Reports, Change Orders, Progress Payments are developed and Material Certifications are stored.

**1.4.3 Photo Management**

All project photos documenting daily construction activities shall be taken by construction observation staff will be uploaded to Appia and be made available to appropriate SPONSOR staff.

**1.4.4 Licensing**

The CONSULTANT will provide all licenses and any necessary training for use of Doc Express, Appia, to all stakeholders.

**1.4.5 Document Storage Locations**

Item	Stored Location
------	-----------------

	Doc Express	Appia	
Meeting Minutes	◆		
Weekly Progress Reports	◆		
Project Schedule	◆		
Quarterly FAA Reports	◆		
Shop Drawings	◆		
Change Directives and Updated Plans	◆		
Subcontracts	◆		
Material Testing Reports	◆		
Subcontractor Payment Forms	◆		
Certified Payrolls	◆		
Wage Rate Interviews	◆		
Project Closeout	◆		
RPR Daily Diary		◆	
Inspectors Daily Reports with Field Measurements		◆	
Material Certifications		◆	
Project Payments		◆	
Change Orders		◆	
Progress Photos	◆		
Record Plans and O & M Manuals			

## 1.5 Meetings

The following meetings with anticipated attendance are included. Meetings are as follows:

Meeting	# of Mtgs	Est Mtg. Time	PM		RPR III	
			V	P	V	P
<b>Preconstruction</b>						
Preconstruction	1	2 hr		X		X
<b>Construction</b>						
Progress	2	1 hr		X		X
Work Element						
P-401	1	1 hr		X		X
Punchlist	1	1 hr		X		X
<b>Post Construction</b>						
Final Inspection	1	1 hr		X		X

v. Consultant shall attend the meeting virtually

p. Consultant shall attend meeting in person.

When appropriate, meetings will be held at a location acceptable by the SPONSOR. In addition, the CONSULTANT will schedule all meetings on MS Teams to allow for online attendance.

The CONSULTANT will prepare and distribute minutes to all meeting attendees.

## **TASK 2- CONSTRUCTION ADMINISTRATION**

Construction Contract Administration includes the following services:

- 2.1** Coordinate and assist SPONSOR with issuance of Notice to Proceed to contractor for construction.
- 2.2** Provide consultation and advice to SPONSOR during construction including matters related to FAA compliance and regulations. The CONSULTANT will Support SPONSOR in conversations with MDOT.
- 2.3** Review, approve, or take other appropriate action on Contractor-required shop drawings, product data, catalog cuts, and samples. CONSULTANT will prepare a shop drawing/submittal log and responsibility matrix that defines primary and secondary responsibility for review of submittals by the design team. Shop Drawings and responses to be uploaded to Doc Express
- 2.4** Review alternative construction methods proposed by the Contractor and advise the SPONSOR of the impact of these methods and provide a recommendation on the schedule and quality of the Project.
- 2.5** Prepare supplemental drawings and change orders necessary to execute the work properly within the intended scope. Assist SPONSOR in resolving contractor claims and disputes.
- 2.6** Provide interpretation of the Contract Document requirements and advise the Contractor of these on behalf of SPONSOR when necessary.
- 2.7** Review and respond to Contractor submitted Request For Information (RFIs) and upload responses on Doc Express.
- 2.8** Furnish the SPONSOR one reproducible set of the record drawings in PDF format for the completed Project taken from the annotated record drawings prepared by the Resident Project Representative (RPR) based upon Contractor-provided information.
- 2.9** Conduct pre-final inspections in each construction phase (1 inspections) and final inspections of the completed Project with SPONSOR personnel, the FAA, and the Contractor. Develop and distribute a punch-list for each pre-final and final inspection.

**2.10** Issue certificates of construction substantial completion to SPONSOR and MDOT for the end of construction.

**TASK 3- CONSTRUCTION OBSERVATION**

The CONSULTANT will provide the necessary qualified full time staff for the duration of the construction project and closeout to:

**3.1** Maintain project records utilizing the e-Construction applications as listed in Task-1 PROJECT MANAGEMENT. No labor hours are included for this task in the fee proposal as this work is included in the daily observation time task 3.5.

**3.2** Observe the work to determine general conformity with the Contract Documents and to ascertain the need for correction or rejection of the Work. The activities of the Resident Project Representative (RPR) staff or the presence of any of them at a construction/Project site shall not relieve Contractor nor make CONSULTANT responsible for, Contractor’s obligations, duties, and responsibilities, including, but not limited to, construction means, methods, sequences, techniques, or procedures necessary for performing, superintending, or coordinating the Work in accordance with the Contract Documents.

Anticipated days on site for RPR staff is provided in the tables below for each year of construction.

It is anticipated that the Contractor will conduct operations seven (7) days per week, 12 hours hours per day.

2026	Days on Site											
Title	J	F	M	A	M	J	J	A	S	O	N	D
RPR III						5						

Roundtrip Travel – Roundtrips between Managing Office and Project Site two (2) Hours Total Round trip

2026	Roundtrip Travel Each											
Title	J	F	M	A	M	J	J	A	S	O	N	D
Title 1						5						
Title 2												

**3.3** The lead RPR will serve as the airfield closure coordinator for the project. This will include coordination of all airfield closures with SPONSOR for each work area, coordination of reopening work areas with SPONSOR after SPONSOR approves work area to be opened, serving as the primary contact to monitor visitors to the project work areas, and coordination with other non-project related activities in the project work areas. The lead RPR will also be the 24-hour contact for the construction administration and observation team.

**3.4** Arrange for, conduct, or witness field, laboratory, or shop tests of construction materials as required by the plans and specifications for the Project; monitor the suitability of materials on the Project site or brought to the Project site to be used in construction; interpret the contract plans and specifications and check the construction activities for general compliance with the design intent; measure, compute, or check quantities of Work performed and quantities of materials in-place for partial and final payments to the Contractor.

The anticipated number of quality assurance technician days on site are provided in the table below. It is estimated that technicians will be on the project site or asphalt plant 12 hours per day.

**Material Technician Schedule**

2026	Days on Site/Laboratory											
Work Type	J	F	M	A	M	J	J	A	S	O	N	D
Asphalt Plant Technician						3						

Lab Testing

- Asphalt Technician assignments are inclusive of all required asphalt tests to be performed. Asphalt Supplier to provide a fully equipped asphalt testing laboratory at the plant site where all tests will be conducted.

Field Testing

- In field asphalt testing that will be performed by RPR includes surface temperature, depth and grade checks.
- RPR staff will determine location of asphalt cores, Contractor’s personnel required for coring and transporting to plant laboratory

Prepare and submit inspection reports of construction activity and problems encountered as required by SPONSOR and the FAA. No labor hours are included for this task in the fee proposal as this work is included in the daily observation time task 3.5.

**3.5** Prepare, review, and approve monthly Progress Payments and Final Payments to Contractor.

- 3.6** Perform an orderly closeout of the Project as required by the SPONSOR, and MDOT This shall include the project test record book, test summary, project photo summary, FAA monthly project reports, FAA project summary letter and archiving of project records.

#### **TASK 4- SOIL EROSION & SEDIMENT CONTROL (SESC) PLAN**

The CONSULTANT will monitor the execution of the Soil Erosion & Sediment Control (SESC) Plan and Contractor's compliance for the duration of the PROJECT. The CONSULTANT will coordinate through SPONSOR any issues that may arise during the execution of the SESC Plan.

##### **4.1 Periodic Inspection**

The CONSULTANT will provide periodic site inspections of SESC control measures and log issues that require corrective action. The Contractor is required to provide site inspections and inspection reports as outlined in the SESC Plan and maintain records of each inspection. The CONSULTANT will review the Contractor's inspection reports.

##### **4.2 Corrective Action Log**

The CONSULTANT will maintain a Corrective Action Log as outlined in the SESC Plan for the duration of the construction project.

#### **ASSUMPTIONS**

- 1) Construction will progress in the phases defined in the Construction Safety and Phasing Plan
- 2) The Construction start and end dates are consistent with dates shown in this scope of services.
- 3) The CONSULTANT's field personnel will utilize a monthly pickup rental for the duration of the project.



# ENGINEERING COST SUMMARY SCHEDULE "B" CONST OBS/ADMIN PHASE

PROJECT NAME: ARB Box Hangar Taxilane Pavement Reconstruction  
 PROJ DESCRIPTION: Pavement Reconstruction  
 CLIENT: City of Ann Arbor  
 CLIENT LEAD: Matt Kulhanek

DATE: 17-Jan-25  
 A/E: C & S ENGINEERS, INC.  
 PROJECT NO: N75005002  
 C&S CONTACT: A Aljets

**I. ESTIMATE OF DIRECT SALARY COSTS:**

	TITLE	AVERAGE RATE OF PAY (\$/HR)	@	ESTIMATED HOURS		ESTIMATED COST
F.	Principal Engineer	\$86.00	X	17	=	\$1,462.00
K.	Engineer	\$49.00	X	82	=	\$4,018.00
L.	Staff Engineer	\$44.00	X	79	=	\$3,476.00
OO.	Office Coordinator	\$32.00	X	8	=	\$256.00
TOTAL ESTIMATED DIRECT SALARY COST:						\$9,723.00

**II. OVERHEAD EXPENSES & PAYROLL BURDEN PER SCHEDULE "C" -**

(AGREED OVERHEAD EXPRESSED AS A PERCENTAGE OF DIRECT SALARY COST): 170.00% \$16,529.10

**III. SUBTOTAL OF ITEMS I & II:** \$26,252.10

**IV. ESTIMATE OF DIRECT EXPENSES:**

A.	TRAVEL, BY AUTO:						
	14	TRIPS @	80	MILES/TRIP @	\$0.670	=	\$750.40
B.	TRAVEL, ON SITE, BY AUTO:						
	8	DAYS @	1	DAY @	\$85.00	=	\$680.00
C.	PER DIEM						
	8	DAYS @	1	PERSONS @	\$69.00	=	\$552.00
D.	MISCELLANEOUS:					=	\$277.77
TOTAL ESTIMATE OF DIRECT EXPENSES:							\$2,260.17

**V. FIXED FEE (PROFIT, LUMP SUM):**

A.	LABOR PLUS OVERHEAD:	11%	(OF III.)	\$2,887.73
B.	DIRECT EXPENSES:	0%	(OF IV.)	\$0.00
TOTAL FIXED FEE:				\$2,887.73

**VI. SUBCONTRACTS:**

A. ESTIMATE OF ASSURANCE TESTING SERVICES \$7,400.00

**VII. TOTALS:**

A. TOTAL COST FOR SERVICES, AGREEMENT TOTAL & FAA ELIGIBLE: \$38,800.00

**C&S ENGINEERS, INC.**  
**ENGINEERING**  
**WORK SUMMARY**

Date: 12/20/24

PROJECT: ARB Box Hangar Taxilane Pavement Reconstruction  
SERVICES: Construction Administration and Observation Services  
CLIENT: City of Ann Arbor  
CLIENT LEAD: Matt Kulhanek

Service Group Mgr: KJJ  
Client Relations Manager: A Aljets  
Project Manager: AMA  
Project Number: N75005002

CONT NO.	PHASE NO.	TASK	PRINC ENG	ENG	STAFF ENG	CONST SUP	OFF COORD	DIRECT COSTS	SERVICES BY OTHERS	TOTALS	TOTAL HOURS PER TASK
		<b>Task 1 - Project Management</b>									
		1.1.1 Communication with Sponsor - Communicate with Sponsor regularly. Assume 2 hours weekly (10 weeks) of Project Manager communication by email, phone, video, and/or conference calls using live file sharing.	4	12						\$2,793.20	16
		1.1.2 Invoice Preparation - Perform invoice preparation, assume a total of 3 invoices.	2	3						\$956.04	5
		1.1.3 Schedule Coordination - Provide continued coordination so that Project schedules are met by the Consultant team.		2						\$293.71	2
		1.2 Management Plan - The Consultant will develop and provide Sponsor a Management Plan that will define how the Consultant will execute this scope of services. The Management Plan will include the following sections:									
		1.2.1 Project Planning - This section will provide initial planning on budget, staffing, stakeholder management, communications, and team responsibilities.	2	1						\$662.34	3
		1.2.2 Quality Control and Assurance Plan - The Consultant will develop a Project Quality Control and Assurance Plan as required by the FAA.	2	4						\$1,102.90	6
		1.2.3 Monitor and Control - This section will define tools and techniques associated with tracking, reviewing and reporting progress.									
		1.2.4 Project Closeout - This section will define tools and techniques to close both the construction project and this Scope of services.									
		1.3 Progress Reports									
		1.3.1 FAA Form 5370-1 Construction Progress and Inspection Report - Four (4) Quarterly FAA Form 5370-1 Construction Progress and Inspection Reports will be completed and submitted to the Sponsor.		2						\$293.71	2

1.3.2	Project Status Reports - Monthly (8 months) progress reporting in writing to Sponsor outlining the status of the work effort relative to the scope, schedule and budget. Issues affecting the progress and corrective actions necessary will be identified and implemented as appropriate.	1	4						\$845.15	5
1.4	Document Management and Record Keeping - The Consultant will utilize electronic construction applications for document management and project record keeping. The Consultant will provide software training for Sponsor's project manager and other staff who need to utilize the "e" construction applications.									
1.5	Meetings - See scope of services table for anticipated meetings. Meetings shall include travel time (2 hours total) and vehicle mileage reimbursement.	2	7	7	7				\$3,998.00	23
<b>TASK 2- CONSTRUCTION ADMINISTRATION</b>										
Construction Contract Administration includes the following services:										
1.1	Coordinate and assist Sponsor with issuance of Notice to Proceed to contractor for construction.		1						\$146.85	1
1.2	Provide consultation and advice to Sponsor during construction including matters related to FAA compliance and regulations. The Consultant will support Sponsor in conversations with MDOT.		4						\$587.41	4
1.3	Review, approve, or take other appropriate action on Contractor-required shop drawings, product data, catalog cuts, and samples. Consultant will prepare a shop drawing/submittal log and responsibility matrix that defines primary and secondary responsibility for review of submittals by the design team. Shop Drawings and responses to be uploaded to Doc Express		8						\$1,174.82	8
1.4	Review alternative construction methods proposed by the Contractor and advise the Sponsor of the impact of these methods and provide a recommendation on the schedule and quality of the Project.	1	2						\$551.45	3
1.5	Prepare supplemental drawings and change orders necessary to execute the work properly within the intended scope. Assist Sponsor in resolving contractor claims and disputes.		4						\$587.41	4
1.6	Provide interpretation of the Contract Document requirements and advise the Contractor of these on behalf of Sponsor when necessary.		1						\$146.85	1
1.7	Review and respond to Contractor submitted Request For Information (RFIs) and upload responses on Doc Express.	1	2						\$551.45	3
1.8	Furnish the Sponsor one reproducible set of the record drawings in PDF format for the completed Project taken from the annotated record drawings prepared by the Resident Project Representative (RPR) based upon Contractor-provided information.	1	8						\$1,432.57	9

1.9 Conduct pre-final inspections in each construction phase (1 inspections) and final inspections of the completed Project with Sponsor personnel, the FAA, and the Contractor. Develop and distribute a punch-list for each pre-final and final inspection.

1.10 Issue certificates of construction substantial completion to Sponsor and MDOT for the end of construction.

1

2

\$551.45

3

2

\$293.71

2

**TASK 3- CONSTRUCTION OBSERVATION**

The Consultant will provide the necessary qualified full time staff for the duration of the construction project and closeout to:

2.1 Maintain project records utilizing the e-Construction applications as listed in Task-1 Project Management. No labor hours are included for this task in the fee proposal as this work is included in the daily observation

2.2 Observe the work to determine general conformity with the Contract Documents and to ascertain the need for correction or rejection of the Work. The activities of the Resident Project Representative (RPR) staff or the presence of any of them at a construction/Project site shall not relieve Contractor nor make Consultant responsible for, Contractor's obligations, duties, and responsibilities, including, but not limited to, construction means, methods, sequences, techniques, or procedures necessary for performing, superintending, or coordinating the Work in accordance with the Contract Documents. It is anticipated that the Contractor will conduct operations seven (7) days per week, 10 hours per day for a total of 5 calendar days. It is assumed travel time of 2 hours total per day will

60

\$7,912.08

60

2.3 The lead RPR will serve as the airfield closure coordinator for the project. This will include coordination of all airfield closures with Sponsor for each work area, coordination of reopening work areas with Sponsor after Sponsor approves work area to be opened, serving as the primary contact to monitor visitors to the project work areas, and coordination with other non-project related activities in the project work areas. The lead RPR will also be the 24-hour contact for the construction administration and observation team. No labor hours are included for this task in the fee proposal as this work is included in the daily observation time task 2.2.

2.4 Arrange for, conduct, or witness field, laboratory, or shop tests of construction materials as required by the plans and specifications for the Project; monitor the suitability of materials on the Project site or brought to the Project site to be used in construction; interpret the contract plans and specifications and check the construction activities for general compliance with the design intent; measure, compute, or check quantities of Work performed and quantities of materials in-place for partial and final payments to the Contractor. The anticipated number of quality assurance technician days on site are provided in the table below. It is estimated that technicians will be on the project site or asphalt plant 12 hours per day. Hours

2.5 Prepare, review, and approve monthly Progress Payments and Final Payments to Contractor.

2.6 Perform an orderly closeout of the Project as required by the Sponsor, and MDOT This shall include the project test record book, test summary, project photo summary, FAA monthly project reports, FAA project summary letter and archiving of project records.

**TASK 3- SOIL EROSION & SEDIMENT CONTROL (SESC) PLAN**

The Consultant will monitor the execution of the Soil Erosion & Sediment Control (SESC) Plan and Contractor's compliance for the duration of the PROJECT The Consultant will coordinate through Sponsor any issues that may arise during the execution of the SESC Plan.

3.1 The Consultant will provide periodic site inspections of SESC control measures and log issues that require corrective action. The Contractor is required to provide site inspections and inspection reports as outlined in the SESC Plan and maintain records of each inspection. The Consultant will review the Contractor's inspection reports.

3.2 The Consultant will maintain a Corrective Action Log as outlined in the SESC Plan for the duration of the construction project.

**Direct Expenses**

600 Direct Expenses

**Service By Others**

791 ESTIMATE OF ASSURANCE TESTING SERVICES

	3						\$440.56	3
	8	8		8			\$2,997.00	24
	1	2					\$410.59	3
	1	2					\$410.59	3
						\$2,260.17		
						\$7,400.00		

17 82 79 7 8 \$9,660.17 \$38,800.00 193