

February 19, 2025

The Honorable Ellie Torres
Commissioner, Hidalgo County Pct. No. 4
Attn: Ms. Velinda Reyes, RPIC
1051 N. Doolittle Road
Edinburg, Texas 78539

RE: FM 1925 Project (Limits: from Wallace Road to 10th Street)
Supplemental No. 2 to Work Authorization No. 2 - Contract No. C-16-048-02-03

Dear Commissioner Torres:

As discussed, L&G Engineering respectfully requests your approval of Supplemental No. 2 to Work Authorization (WA) No. 2 for the FM 1925 project (from Wallace Road to 10th Street).

Supplemental No. 2 to Work Authorization No. 2 is in the amount of **\$84,740.48** in order to include Value Engineering, Archaeological Survey and Environmental Re-Evaluation for the **FM 1925 project from Wallace Road to 10th Street Project**: (from: Wallace Rd to 10th Street). The following is the funding breakdown for L&G Engineering and our Sub-Consultant's proposed fees associated with this Work Authorization.

• L&G Engineering (<i>PRIME</i>)	\$ 56,999.48
• Environmental Research Group (<i>SUB-CONSULTANT</i>)	\$ 27,741.00
	TOTAL \$ 84,740.48

Attached find the following:

Two signed originals of Supplemental No. 2 to Work Authorization No. 2

- Exhibit A "Services to be provided by the County"
- Exhibit B "Services to be provided by the Engineer"
- Exhibit C "Work Schedule"
- Exhibit D-1 "Estimated Man-hour Breakdown"

Should you have any questions regarding this submittal, do not hesitate to call Jordan Sinclair, P.E. at (956) 585-1909.

Sincerely,
L&G Engineering

Jordan Sinclair, P.E.
Project Manager

Attachments

EXHIBIT “F”
Supplemental Agreement Form

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

**SUPPLEMENTAL AGREEMENT NO. 2
TO WORK AUTHORIZATION NO. 2
TO AGREEMENT FOR PROFESSIONAL SERVICES
C-16-048-02-03**

This **SUPPLEMENTAL AGREEMENT** is made pursuant to the terms and conditions of Article 8 of the Agreement made by and between **HIDALGO COUNTY**, hereinafter called the “**Owner**”, and **L&G ENGINEERING**, professional engineers of Mercedes, Texas, hereinafter called the “**Engineer**”.

WITNESSETH

WHEREAS, the **Owner** and the **Engineer** executed the Main Contract Agreement on the 3rd day of February 2016, concerning professional engineering services for the “**FM 1925** project from Wallace Road to 10th Street hereinafter referred to as the “**Project**”; and,

WHEREAS, it has become necessary to amend “*Exhibit B, Scope of Services to be provided by the Engineer*” of Work Authorization No. 2 in order to include Value Engineering, Archaeological Survey and Environmental Re-Evaluation for the **Project**.:

WHEREAS, it has become necessary to amend “*Exhibit D-1 – Estimated Man-hour Breakdown of Work Authorization No. 2* to reflect the fee for the Value Engineering, Archaeological Survey and Environmental Re-Evaluation. This Supplemental will increase the original amount of Work Authorization No. 2 from **\$201,168.12** to **\$285,908.60**. *Therefore, the amount of this Supplemental No. 2 is \$84,740.48.*

A. AGREEMENT

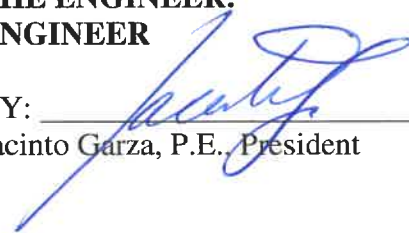
NOW THEREFORE, premises considered, the **Owner** and the **Engineer** agree that said **Agreement** is amended as follows:

- I. Sections of the Agreement, **EXHIBIT “B” – SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER, EXHIBIT “C” – WORK SCHEDULE and EXHIBIT “D-1” – ESTIMATED MAN-HOUR BREAKDOWN**, are revised to reflect the above listed modifications of this Supplemental.

All other provisions are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the Engineer and the Owner have caused this Supplemental Agreement to the Agreement for Professional Services to be executed as of the _____ day of _____, 2025.

**THE ENGINEER:
ENGINEER**

BY:  _____
Jacinto Garza, P.E., President

**THE OWNER:
HIDALGO COUNTY**

BY: _____
Richard Cortez, County Judge

LIST OF EXHIBITS:

- EXHIBIT A – Services to be provided by the County
- EXHIBIT B – Services to be provided by the Engineer
- EXHIBIT C – Work Schedule
- EXHIBIT D-1 – Estimated Man-Hour Breakdown

EXHIBIT "A"

Services to be provided by the County

1. The County will issue work authorization to initiate all required services and designate the authorized representative of the coordination of each work authorization.
2. The County will provide copies of all subdivision plats of record and/or in the subdivision process.
3. The County will provide the Engineer with on-going guidance, timely reviews, and decisions necessary to complete services required by the work authorization in order to permit the Engineer to maintain an agreed upon project schedule.
4. The County will process all acceptable requests for payment in a timely manner.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 1-PROJECT DESCRIPTION

The services designated herein as "Services provided by the ENGINEER" shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: Hidalgo County

CONTROL: 0921

PROJECT/DESCRIPTION: Value Eng., Arch. Survey, Env. Re-Eval.

LENGTH: 2.7 Miles

HIGHWAY: FM 1925

LIMITS: From 1500' West of 10th St to McColl Rd

PROJECT CLASSIFICATION

(Place an "X" in only one Project Classification)

- Surface Treatment
- Overlay
- Rehabilitation Existing Road (Scarify & Reshape)
- Convert Non-Freeway to Freeway
- Widen Freeway
- Widen Non-Freeway
- New Location Toll Freeway
- New Location Non-Freeway
- Interchange (New or Reconstruct)
- Bridge Widening or Rehabilitation
- Bridge Replacement
- Upgrade to Standards - Freeway
- Upgrade to Standards - Non-Freeway
- Miscellaneous Studies (Use Function Code 110 for All Tasks)

ENGINEER shall mean L&G Engineering.

STATE shall mean Texas Department of Transportation.

LPA shall mean Local Public Agency Hidalgo County.

SURVEYOR shall mean N/A.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 3 - ROUTE AND DESIGN STUDIES

(Function Code 110)

Services
Provided By:
ENGINEER LPA

- | | | |
|------------|-----------|--|
| <u>NO</u> | <u>NO</u> | 1. Route Location Studies |
| <u>NO</u> | <u>NO</u> | 2. Level of Service Analysis |
| <u>NO</u> | <u>NO</u> | 3. Traffic Evaluations and Projections |
| <u>NO</u> | <u>NO</u> | 4. Develop Roadway Design Criteria |
| <u>NO</u> | <u>NO</u> | 5. Preliminary Cost Estimates |
| <u>NO</u> | <u>NO</u> | 6. Design Schematic
(See Section 7, page 7-1 for schematic layout requirements) |
| <u>NO</u> | <u>NO</u> | 7. Preliminary Right-of-Way Requirements |
| <u>NO</u> | <u>NO</u> | 8. Design Concept Conference |
| <u>NO</u> | <u>NO</u> | 9. Soil Core Hole Drilling |
| <u>NO</u> | <u>NO</u> | a. Pavement (See Section 7, pages 7-2 thru 7-3 for requirements) |
| <u>NO</u> | <u>NO</u> | b. Retaining Walls (See Section 10, page 10-1 for requirements) |
| <u>NO</u> | <u>NO</u> | c. Miscellaneous Structures (See Section 10, page 10-3 for requirements) |
| <u>NO</u> | <u>NO</u> | d. Bridges (See Section 11, page 11-2 thru 11-3 for requirements) |
| <u>YES</u> | <u>NO</u> | 10. Value Engineering |

EXHIBIT “C”
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

**SECTION 4 - SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES
AND PUBLIC INVOLVEMENT**

(Function Code 120)

Services
Provided By:
ENGINEER LPA

1. Environmental Reports
All Environmental Reports shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations, Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.
 - a. Environmental Assessments
 - (1) An Environmental Assessment shall be prepared, anticipating a Categorical Exclusion.
 - (2) An Environmental Assessment shall be prepared in accordance with 23 USC 327 and the 2014 TxDOT-FHWA Memorandum of Understanding, anticipating a Finding of No Significant Impact.
 - (3) A Re-Evaluation of the FONSI shall be prepared.
 - b. Environmental Impact Statement
 - (1) A Draft Environmental Impact Statement shall be prepared. After appropriate interagency and public reviews within time limits prescribed by the Code of Federal Regulations, Title 23, Part 771 and 43 Texas Administrative Code 2.40-2.51, a Final Environmental Impact Statement shall be prepared.
 - (2) A Section 4(f) Statement (Department of Transportation Act) shall be provided by the ENGINEER. The format and content of the statement is found in FHWA Technical Advisory T6640.8A.
2. Public Involvement
All public involvement procedures shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.
 - a. A public involvement meeting(s) and public hearing shall be scheduled, coordinated and conducted.
 - b. Technical assistance for one public meeting and one public hearing, preparation of, and maintenance of contact lists, minutes of meeting(s), exhibit preparation, and other tasks outlined by the LPA, shall be provided.
 - c. A Notice of Availability (NOA) shall be published by the LPA upon approval of the environmental decision.
3. Technical Reports
All technical reports shall be prepared in accordance with TxDOT’s environmental rules and guidelines.
 - a. Air Quality Analysis
An air quality analysis shall be prepared in accordance with the STATE’S Air Quality Guidelines. The air quality analysis shall be provided as a Technical Report and a summary of the air quality results included in the administratively complete document for the project.
 - b. Biological Technical Report
The previously approved Species Analysis Form shall be updated as per the Memorandum of Understanding (MOU) with the Texas Parks and Wildlife Department (TPWD) and shall be prepared in accordance with the STATE’S Biological Guidelines.
 - c. Wetland Permits
Two permit applications shall be prepared and all work efforts and deliverables shall be in accordance with the current TxDOT and the U.S. Army Corps of Engineers policies and procedures. Permits shall include all of the necessary maps and exhibits.

NO NO

NO NO

YES NO

NO NO

NO NO

NO NO

NO NO

NO NO

NO NO

YES NO

EXHIBIT “C”
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services		
Provided By:		
<u>ENGINEER</u>	<u>LPA</u>	
<u>NO</u>	<u>NO</u>	(1) Historic Structure Studies A records search, project coordination request, and reconnaissance survey shall be performed, and documentation prepared regarding identification efforts, National Register eligibility and potential impacts to historic properties in accordance with the state’s historic structure requirements.
<u>YES</u>	<u>NO</u>	(2) Archeological Studies File searches, project coordination request, an archeological reconnaissance, and an archeological survey shall be conducted to determine if known archeological sites are present or have been designated State Archeological Landmarks; and to identify the need (if any) to perform additional archeological investigations.
<u>NO</u>	<u>NO</u>	d. Community Impact Analysis A community impact analysis shall be prepared in accordance with the STATE’S Community Impact Guidelines.
<u>NO</u>	<u>NO</u>	e. Hazardous Materials The consultant shall perform an Initial Site Assessment (ISA) for hazardous materials impact in accordance with the American Society for Testing and Materials (ASTM) 1528.93 (Transaction Screen Process) and a Hazardous Materials Technical Report, as needed.
<u>NO</u>	<u>NO</u>	f. Indirect and Cumulative Impacts Analysis An indirect and cumulative impacts analysis shall be prepared in accordance with the STATE’s guidelines.
<u>NO</u>	<u>NO</u>	g. Noise Analysis A noise analysis shall be prepared, including predicted noise levels and the consideration and evaluation of noise mitigation, in accordance with the STATE’S Noise Guidelines. The noise analysis shall be provided as a Technical Report and a summary of the noise analysis results shall be included in the administratively complete document.
<u>NO</u>	<u>NO</u>	4. Environmental Scoping The ENGINEER shall initiate the environmental scoping process with TxDOT. An environmental scoping document and risk assessment will be completed in coordination with TxDOT.
<u>NO</u>	<u>NO</u>	5. General Guidelines for Preparation of Environmental Documents a. All technical reports will be submitted electronically to TxDOT through their FTP site. b. The draft administratively complete document will be submitted to TxDOT electronically through their FTP site. c. The administratively complete document will be prepared in accordance with the content and format of FHWA Technical Advisory T6640.8A and the TxDOT Administrative Code 43 TAC §2.44. d. The administratively complete document will be submitted to TxDOT electronically through their FTP site. e. Upon completion and approval of the administratively and technically complete document, the Engineer will provide one (1) hard copy to the Client. All copies to TxDOT will be digital. f. Exhibits in the environmental document shall be color copies and text shall be black and white.

EXHIBIT "C"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Document and Information Exchange

Data, Plan Sheets, General Notes and/or Specifications provided to the LPA shall be furnished on 8GB USB flash drives. Each 8 GB flash drive shall have a file titled Table of Contents. The Table of Contents shall indicate the locations of files within the directory structure of the documentation.

General Notes and specifications shall be provided in MS Office 2007 format. Plan sheets shall be provided in Microstation DGN or GEOPAK GPK format. PDF copies of plan sheets shall also be provided.

Two copies of the documentation shall be provided to the LPA.

If required, the ENGINEER shall provide to the LPA, a CD that contains all the plan sheets for the project. The graphics tape shall be compatible with the LPA's computer system.

CD Tape Required (YES or NO): YES

Proposal Time

The time indicated in the proposal and the contract shall include time necessary for reviews, approval, etc.

Office Location

The ENGINEER will perform the services to be provided under this agreement out of their office or offices listed below:

<u>Service</u>	<u>Office Location</u>
PS&E	Mission Office
Schematic	Mission Office
Environmental Document	Mercedes Office

The work effort will be managed out of the _____ Mercedes _____
(City)

office located at 2100 West Expressway 83 _____,
(Address)

Mercedes _____, Texas _____.
(City) (State)

PROJECT DEVELOPMENT SCHEDULE
FM 1925
From Wallace Rd to 10th St
Length = 3.40 miles

TASK AND DESCRIPTION	FIRM	2025												2026											
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Environmental																									
Environmental Decision (12/8/2021)	COMPL																								
Noise Workshop (Date TBD by TxDOT)	TxDOT																								
Archeological Survey	L&G																								
Env. Re-Evaluation (For Time-Lapse & Design Changes)	L&G																								
Env. Re-Evaluation Review & Approval	TxDOT																								
Value Engineering																									
Value Engineering Presentation	L&G																								

Updated by Jordan Sinclair, P.E. (2025-02-19)

L&G FUNCTION
TxDOT FUNCTION

REVISED - EXHIBIT D-1
ESTIMATED MAN-HOUR BREAKDOWN
FM 1925 PROJECT
FROM WALLACE ROAD TO 10TH STREET

		MANHOURS											
		Senior Project Manager	Senior Engineer	Senior Environmental Scientist /Specialist	Engineering Lab Manager	Project Engineer	Senior Engineer Tech	Environmental Planner / Specialist	CADD Operator / GIS Analyst	Admin / Clerical	TOTAL HOURS	Sub-Contract Amounts / ROW COST	*TOTAL LINE ITEM COST
CONTRACT RATE		211.40	175.16	147.98	102.68	129.86	96.64	78.52	66.44	60.40			
WORK AUTHORIZATION NO. 2													
<i>Function Code</i>	<i>Description of Work</i>												
120	Public Involvement for Noise Barrier Workshop	16		82		16	10		40	24	188		\$ 22,668.12
SUB-TOTAL		16	0	82		16	10		40	24	188	\$ -	\$ 22,668.12

Sub-Total Manhours Fee with Subconsultant Fee: \$ 22,668.12

*** TOTAL PROJECT FEE: \$ 22,668.12**

* Rounded Figure

		MANHOURS											
		Senior Project Manager	Senior Engineer	Senior Environmental Scientist /Specialist	Engineering Lab Manager	Project Engineer	Senior Engineer Tech	Environmental Planner / Specialist	CADD Operator / GIS Analyst	Admin / Clerical	TOTAL HOURS	Sub-Contract Amounts / ROW COST	*TOTAL LINE ITEM COST
CONTRACT RATE		211.40	175.16	147.98	102.68	129.86	96.64	78.52	66.44	60.40			
SUPPLEMENTAL NO. 1 TO WORK AUTHORIZATION NO. 2													
<i>Function Code</i>	<i>Description of Work</i>												
161	Hydrologic Report & Model	15	159			251	305			33	762	\$ 47,500.40	\$ 94,999.60
164	Project Management	15	49			99	108			13	285		\$ 36,000.00
SUB-TOTAL		15	159	0.00		251	305		0	33	762	\$ 47,500.40	\$ 130,999.60

Supplemental #1 to WA#2 Sub-Total Manhours Fee with Subconsultant Fee: \$ 178,500.00

*** TOTAL PROJECT FEE: \$ 201,168.12**

* Rounded Figure

		MANHOURS									TOTAL HOURS	Sub-Contract Amounts / ROW COST	TOTAL LINE ITEM COST
		Senior Project Manager	Senior Engineer	Senior Environmental Scientist /Specialist	Engineering Lab Manager	Project Engineer	Senior Engineer Tech	Environmental Planner / Specialist	CADD Operator / GIS Analyst	Admin / Clerical			
CONTRACT RATE		211.40	175.16	147.98	102.68	129.86	96.64	78.52	66.44	60.40			
SUPPLEMENTAL NO. 2 TO WORK AUTHORIZATION NO. 2 - Value Engineering, Archeological Survey & Environmental Re-Evaluation													
Function Code	Description of Work												
163	Value Engineering (Meetings & Workshop Presentation)	9		5		45	10		20	4	93		\$ 11,023.00
120	Archeological Survey (26.5 AC) (Field Work & Technical Report)	8	8	56	10		48	40		8	178	\$ 27,741.00	\$ 20,668.88
120	Environmental Re-Evaluation (Time-Lapse & Design Changes)	8		100				100		16	224		\$ 25,307.60
SUB-TOTAL		25	8	161	10	45	58	140	20	28	495	\$ 27,741.00	\$ 56,999.48

Supplemental #1 to WA#2 Sub-Total Manhours Fee with Subconsultant Fee:	\$ 84,740.48
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* TOTAL PROJECT FEE:	\$ 285,908.60
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Proposal
Additional Archeological Survey
FM 1925 from Wallace Road to FM 2061
Hidalgo County, Texas

PROJECT DESCRIPTION

L&G Engineering (L&G) has requested a scope of work and cost estimate from AmaTerra, ERG Texas Services (ERG) to conduct additional archeological survey of 26.5 acres where right-of-entry (ROE) was denied at the time of the previous survey in 2020. The area to be surveyed is along the length of the project on FM 1925 where ROE was not granted to proposed new right-of-way (ROW) in 2020 that could not be cleared from the existing ROW. The project is being funded by using funds from the Federal Highway Administration (FHWA) and TxDOT will acquire the proposed new ROW associated with the project.

PROJECT SCOPE

Task 1: Archeological Survey

- A) ERG will prepare an Antiquities permit application and submit that to TxDOT for review and approval prior to submittal to the THC.
- B) Once a permit has been issued ERG will conduct an archeological survey of the remaining 26.5-acre Area of Potential Effects (APE). The survey will include visual inspection, shovel testing, and backhoe trenching to assess and characterize archeological sites within the APE. It is estimated that approximately 85 shovel tests and several backhoe trenches will be excavated in support of the project. Archeological sites would be investigated through additional shovel tests and trenches, as warranted. All archeological sites within the APE will be recorded at the Texas Archeological Research Laboratory. Archeologists will not collect any artifacts during the survey.
- C) ERG will prepare a professional report documenting the results of the survey. The report will adhere to TxDOT's *Review Standards for Archeological Survey Reports* and include a management summary, description of the undertaking and the APE, relevant background sections, a summary of results, and explicit recommendations regarding eligibility of archeological sites within the APE. To satisfy the condictions of the Antiquities Permit, ERG will curate all notes and records with the final report at a state recognized curatorial facility.

SCHEDULE

To be determined in consultation with Client.

ASSUMPTIONS AND CONDITIONS

The proposal is valid for six months. After that period, ERG will need to re-evaluate the scope and cost. The following is a list of assumptions on which the project costs are based. Any work not discussed in the tasks above may be considered outside of this scope and may require a supplemental agreement or fee adjustment.

- ERG assumes that no changes will be made to the current project footprint, and all geospatial data on hand as of 11/21/2023 will be current when the field survey is scheduled.

***Additional Archeological Survey
FM 1925 from Wallace Road to FM 2061 in Hidalgo County, Texas***

- Relevant comments will be addressed. It is assumed that no more than one draft copy and one final copy of the survey reports being submitted to L&G will be produced in electronic format in PDF and Word formats.
- One round of comments on the Draft Report is anticipated from L&G and associated agency reviewers. All comments are assumed to be minor.
- Access to private properties would be obtained by others prior to ERG's field survey.
- Should backhoe trenching be necessary L&G will provide a backhoe and operator.
- The scope does not include mitigation for adverse effects, development of agreement documents, Section 4(f) evaluations, or other services beyond establishing Section 106 NRHP effect.

COMPENSATION

Client will compensate ERG on a time and materials basis of **\$27,741.00**. ERG will invoice L&G monthly based on percentage of completion. A combined cost breakdown is provided below.

L&G - FM 1925 Mobilization 2								
	Project Startup, Project Management & Admin	Archeology				Total	Rate	Total cost
		permit	prefield and field work	draft report	final and curation			
Principal	2					2	\$289.00	\$ 578.00
Program Director	2					2	\$172.00	\$ 344.00
Project Manager	8					8	\$149.00	\$ 1,192.00
Archeologist VI/ Sr. Principal Investigator						0	\$136.00	\$ -
Archeologist VI/ Principal Investigator/Lab Director		6	44	8	8	66	\$108.00	\$ 7,128.00
Archeologist IV/Project Arch.		8		36	6	50	\$99.00	\$ 4,950.00
Archeologist III/Field Director			48	6	4	58	\$86.00	\$ 4,988.00
GIS Specialist		2		2	2	6	\$131.00	\$ 786.00
GIS Technician/Illustrator/Drafter		6	2	6	2	16	\$83.00	\$ 1,328.00
Admin./Accounting	8					8	\$126.00	\$ 1,008.00
Document Production Spvr/Editor				8	4	12	\$81.00	\$ 972.00
Clerical			2		2	4	\$75.00	\$ 300.00
	\$ 3,122.00	\$ 2,200.00	\$ 9,196.00	\$ 6,352.00	\$ 2,704.00			
Subtotal	\$ 3,122.00				20,452.00			\$ 23,574.00
meals w/ overnight			8			8	\$ 68.00	\$ 544.00
meals w/o overnight			2			2	\$ 51.00	\$ 102.00
lodging (20% tax included)			8			8	\$ 132.00	\$ 1,056.00
mileage			700			700	\$ 0.655	\$ 458.50
Sub-meter GPS			10			10	\$ 100.00	\$ 1,000.00
TARL site registration				2		2	\$ 110.00	\$ 220.00
Curation-CAS					2	2	\$ 275.00	\$ 550.00
Backhoe rental						0	\$2,500.00	\$ -
Copies, B&W	20	20	50	75	500	665	\$ 0.10	\$ 66.50
Copies, color	20	10	15	25	100	170	\$ 1.00	\$ 170.00
	\$ 22.00	\$ 12.00	\$ 3,180.50	\$ 252.50	\$ 700.00			
Subtotal	\$ 22.00				4,145.00			\$ 4,167.00
TOTAL	\$ 3,144.00				24,597.00			\$ 27,741.00