



City of Galveston

FLEET, MASS TRANSIT & SPECIAL EVENTS STAFF REPORT

Date February 14, 2023

To: City Manager
Mayor and City Council Members

From: David Smith, Executive Director
Fleet, Mass Transit and Special Events

Project location: N/A

Project: Trolley Restoration Inspections

Request: Consider for the approval of the oversight inspection services of trolley I503 to Fleet Maintenance Specialists Inc for a total of \$26,750 which will be funded from the Convention Center Surplus. This service will cover the oversight and proper documentation of the project.

Prior Council Action

No prior action on this item

Background

- A. Island Transit currently has trolley I503 at Gomaco Trolley Company's factory in Ida Grove Iowa for a complete restoration.
- B. Staff reached out to several companies that handle these types of services.
 - 1. Fleet Maintenance Specialist - response \$26,750
 - 2. Fleet Maintenance Consulting - response \$31,540
 - 3. Herzog - no response
- C. Fleet Maintenance Specialists provided the oversight inspections of the first three trolleys that were restored, therefore, they have experience of the operations and involved tasks. City staff will also provide spot checks of the project and the inspectors.
- D. Fleet Maintenance Specialist is based out of Lake Elsinore California.





City of Galveston

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Fiscal Impact Report

Task	Description	Hours \$90	Days	Labor	Air	Peridium	Lodge	Rent Car	Extended
Task 1	Teardown and spec review	24	3	\$ 2,160	\$ 1,000	\$ 150	\$ 300	\$ 240	\$ 3,850
Task 1	Progress review	24	3	\$ 2,160	\$ 1,000	\$ 150	\$ 300	\$ 240	\$ 3,850
Task 1	Progress review	24	3	\$ 2,160	\$ 1,000	\$ 150	\$ 300	\$ 240	\$ 3,850
Task 1	Final buy off	32	4	\$ 2,880	\$ 1,000	\$ 200	\$ 400	\$ 320	\$ 4,800
Reports	Trip, reports, and final inspection report	60	5	\$ 5,400		\$ -	\$ -	\$ -	\$ 5,400
Trip 5	Trip to Galveston to accept trolley	32	4	\$ 2,880	\$ 1,000	\$ 200	\$ 600	\$ 320	\$ 5,000
									\$ 26,750

Alternatives

A. City Council approves.

1. Cost - \$26,750
2. Timing - as soon as possible
3. Divisional Improvements - will provide the required oversight, inspections and supporting reports of the restoration of trolley I503.

B. City Council does not approve.

1. Cost - None
2. Timing - N/A
3. Divisional Improvements - oversight and inspection of the restoration of I503 will not occur. The finished product may be faulty, and the supporting reports will not exist.

Staff Recommendation

Concur in Alternative A and approve the oversight inspection services of trolley I503 to Fleet Maintenance Specialists Inc for a total of \$26,750 which will be funded from the Convention Center Surplus. This service will cover the oversight and proper documentation of the project.

Attachments





INTERNAL QUOTE SHEET

Employee Name: ANNA BROWN	Department: ISLAND TRANSIT
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Product/Service: TROLLEY INSPECTION

QUOTE 1:	Date Contacted: JANUARY 30, 2023	Hub Vendor: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Company: FLEET MAINTENANCE SPECIALISTS INC.	Contact Name: BRENT SUMRALL	
Telephone #: 951-805-9217	E-Mail:	
Amount of Bid: \$26,750.00	Date Responded: JANUARY 30, 2023	
Comments:		

QUOTE 2:	Date Contacted: FEBRUARY 15, 2023	Hub Vendor: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Company: FLEET MAINTENANCE CONSULTING	Contact Name: FRANK DOPP	
Telephone #: 949-379-4570	E-Mail: fleetmaintconsulting @gmail.com	
Amount of Bid: \$31,540.00	Date Responded: FEBRUARY 15, 2023	
Comments:		

QUOTE 3:	Date Contacted: JANUARY 19, 2023	Hub Vendor: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Company: HERZOG	Contact Name: LONNIE BLAYDES	
Telephone #: 225-270-0855	E-Mail:	
Amount of Bid: NO BID	Date Responded:	
Comments: NO RESPONSE		



- Over \$1,000 to \$15,000 Requires a Minimum of Three Quotes
- \$3000 To \$15,000 – Requires Two HUB Vendor Quotes – document if none are available in Galveston County
- Link to search for HUBs: <https://mycpa.cpa.state.tx.us/tpasscmbsearch/>

Q Search For Vendors

Search found 1 vendors , 1 are HUBs ,Includes 0 Inactive Vendors

Search Condition : SearchType=HUB's Only,Section1 Class Code=961,Section1 Item(s)=(45),Location County=Galveston

Vendor ID	<u>1815111458600</u>
Company Name	<u>SIMECEK VENTURES, LLC</u>
Contact Person	Meghan Simecek
Mailing Address	PO BOX 696
City	FRIENDSWOOD
State	TX
Zip	77549-0696
Country	USA
Email	<u>meghan@b2accessgroup.com</u>
Phone	281-660-4429
HUB Eligibility	<u>WO</u>
HUB Gender	<u>F</u>
Small Business	<u>Yes</u>
CMBL Status	<u>Active</u>
HUB Status	<u>A-Active</u>

NO HUB VENDOR FOUND



Quote

Island Transit (Galveston)
Vintage Trolley Rehabilitation Quality Oversight

January 30, 2023
David Smith
Island Transit
3115 Market Street Galveston Texas 77550

Fleet Maintenance Specialists Inc. (FMS) specializes in all facets of vehicle maintenance management, FMVSS vehicle inspections, 49 CFR Pre and Post-delivery audits, and other transit Trolley procurement support. We have worked extensively with all of the heavy duty and small bus manufacturers in North America and including BYD and Proterra. Our proposed management staff includes a Project Manager with over 40 years of accomplished project management experience overseeing the Online inspection of thousands of buses. Several of the key members of the FMS Staff that will support this project have over 30 years' experience in transit operations, maintenance management and support, and we believe this unique ability allows us to pro-actively respond to production and quality issues, thus helping distinguish FMS as the premier online quality assurance inspection company in the industry. We are highly experienced and have been performing inspections for the transit industry since BYD and Proterra opened the plants. We have worked on many Electric bus projects since.

The following provides a work plan and scope of work for performing quality assurance oversight for one Vintage Hybrid Electric Trolley Rehabilitation oversight. We propose to perform all aspects of the quality assurance inspection services including the FTA required reporting, final vehicle testing and vehicle final acceptance buy off.

Our first goal is to refamiliarize ourselves with the specifications, paying particular attention to details regarding critical elements of the technical specifications. This must include all per-contractual published amendments as well as post-award technical correspondence and agreements. All of our work will include the proper documentation that meets the requirements of Federal funding, specifically, CFR 49 part 663, Pre-Award, and Post Delivery audit documentation.

The second goal would be to establish clear lines of communication between FMS, the Galveston Project Manager and GOMACO Manufacturers Project manager.

Pre-Production Meeting

At the Pre-production meeting, it will be important that the Property Project Manager, GOMACO Quality Assurance Manager and FMS are present so that coordination for problem solving can be established up front as well as concerns that any of the parties might have prior to the start of production.

Production Line QA Inspections:

We propose that our inspector will be on hand at the vehicle production plant for four inspections at a minimum including a final acceptance inspection, in Galveston Texas. These four inspections will be scheduled in conjunction with the milestones laid out in the Galveston RFP.

1. Startup Inspection review

This will include a review of the condition of the vehicle overall and an inventory of all defects that may need additional time or contract cost modification. This will include a review and walk through of all of the structure repairs that will need to be performed.





2. Welding review
This visit will include a review of the welding repairs review and progress of the rework and any installations.
3. Third stage inspection review
This trip will include inspection installations, line routing and engine installation in conjunction with the a review of the consistency of the previous three trolley units. Progress as it relates to the stage of installs and repairs.
4. Final testing and buy Off of the Trolley
This will include all operational inspections, Water testing, paint inspections, wood and esthetic inspections. In addition this will include an inspection and review of the entire trolley from bumper to bumper, ceiling and roof.
5. Option Inspection Final acceptance at Galveston.
This would be a final acceptance inspection at the Galveston trolley barn which will include a final review of the vehicle again from bumper to bumper and all operating systems. It would be our goal to close all outstanding defects noted, and observation of the final dynamic track testing.

To name a few, FMS inspection efforts during the production phase would include the following:

- Critical build-up of subassemblies and modular sections prior to joining into coach modules.
- Identification and repair of compressed air, air conditioning, Freon, and fluid leaks.
- Torque of critical bolts and fasteners.
- Routing of wiring and protection from abrasion and sharp edges. (See addendum specifics)
- Integrity of circuit terminals in application and installation.
- Uniformity of component installations, alignment, and support.
- Alignment of access doors and hinges, floor covering, ducting, interior and exterior panels, molding, and supports.
- Proper grade of bolts, appropriate type and application of blind fasteners.
- Proper thickness, type, and adhesion of undercoating, sealant, interior paint, and primers.
- Proper materials, routing, and support of rigid and flexible lines for power steering, transmission, pressure and temperature sensors, coolant, brakes, wheelchair lift primary connections, and manual override. Installation and function of heating and air conditioning piping, sensors, compressor support, and vibration isolation.
- Front suspension and shock absorber installation.
- Junction and component boxes. Verify location and integrity of junction boxes for electrical components.
- Drive train components and supporting electrical and fluid systems.
- Verify the proper installation, barriers and panels.
- Verify easy access to components mounted behind paneling.
- Seating - Verify type and arrangement of seating including wheelchair positions and tie downs.
- Verify all interior doors for appearance, fit, and function, panels for door operating mechanisms, and other doors open with or without special tools as specified.
- Passenger Assists -- Verify presence and location of specified stanchions or handholds.

Quality Control

FMS will review all actions taken by the manufacturer to correct discrepancies noted during the production line inspection phase of the project. Continual evaluation and audit of the in-house quality assurance program will be conducted to ensure satisfactory correction of problems.

FMS will perform a configuration audit on the completed Trolley to ensure compliance to the specifications.

Pre - Delivery Activity

After the Trolley is assembled, pass all production inspections, operational systems, engine and water test, they become the responsibility of the manufacturer's Quality Control Department for final rework





and outfit prior to buy-off and shipping. Normally the manufacturer will perform its road test of the Trolley's before presenting it to the inspection team for final acceptance inspection of the Trolley interior exterior, underbody, and operating tests and inspections since these sometimes must be shifted to accommodate available rework shop space and available personnel. In any case, the following are outlines of some of the type of checks and rechecks our team would be performing until all noted items are satisfactorily resolved.

Interior

- Driver Controls - Verify accessibility and function of all switches and controls, grouping of non-OEM controls, identification of prime controls, and door control function.
- Instrumentation - Verify accessibility and function, and readability of instrument and indicators with steering wheel in straight ahead position.
- Interior Trim General Requirements - Verify absence of inaccessible maintenance areas, protuberances, and sharp or abrasive edges.
- Trim panels - Verify trim materials, surfaces, and carpeting or panels of textured stainless steel, anodized aluminum, or plastic as specified; verify paint areas free of dirt, run, and orange peel.
- Exit Signal - If specified, verify presence and function of chimes switch tapes located near interior lighting fixtures with driver-controlled by-pass switch.
- Inside Mirror - Verify presence and adjustability of inside mirrors and that placement does not obscure right outside mirror.
- Radio System - Verify presence of specified protected lead as applicable.
- Windows - Verify that all windows are distortion free and contain no scratches. Verify proper opening and closing functions and proper weather sealing. Check for proper emergency release function.
- Destination Signs - Verify specified signs, decals, and instruction plates. Verify presence and function of destination signs on the front and right side of coach. In the case of electronic signs check all sign wiring routings, integrity of electronics mountings; verify that monitor matches sign selected; verify illumination with master switch; inspect seal of units and accessibility to windows and mechanism; verify that there are no sticking sign dots prior to shipment.
- Wheelchair lift - Verify accessibility and function of all switches, controls, cycle counters, and safety sensors. Verify level, and angles of platform, handrails, and barriers. Verify weight requirements of platform and smooth operation of lift.

Exterior

- Body - Inspect for fit and sealing, lack of distortion and strain points at fasteners, proper sealing and finish. Witness all water tests.
- Rain Gutters - Verify installation of rain gutters over the passenger windows and doors; inspect for dams or obstructions in gutters.
- Doors - Inspect door installation for fit and sealing check for proper closure and tightness. Check for safety control, proper wiring and line routing.
- Exterior lighting - Verify type and function of headlights, marker lamps, turn signals lights, and curb area lighting.
- Outside Mirrors - Verify specified mirrors, and rear field of vision.
- Exhaust Locations - Verify specified exhaust pipe routing and installation for proper discharge and absence of leakage.
- Fuel Tank and Filter - Verify fuel filter and tank installation per specifications.
- Bumper Material - Verify manufacturer specified color and material.

Engine Compartment

- Listen for abnormal noises; check for harmonic vibrations in lines, may require added line support if found.
- Inspect OEM installation; check for improper line or wire routing; inspect for leaks and possible long-term problem situation.
- Inspect manufacturer modifications for design and installation integrity and possible OEM warranty conflicts.





- Batteries - Verify rating of batteries; verify correct positioning and proper fastening.

Track Dynamic Test

- As part of the final inspection phase, FMS would witness each road test, riding the Trolley and listening for abnormal power train noises and interior rattles as well as observing for proper operation, acceleration, braking performance, ride quality, and appropriate functioning of all Trolley systems.

Reporting

Reporting will include telephone calls, daily, if necessary, to keep the designated Procuring Agency's Project Manager posted on developing issues. This will include digital photographs, e-mails, as well as written reports every week. The written report shall include, at a minimum, the following items:

- Production progress during the period.
- Specific problems encountered during the period including digital pictures of the issue.
- Status of problems/issues reported during the previous reporting periods.
- Recommended solutions to problems/issues reported.
- Master Resolution List (MRL) will be prepared and tracked to ensure that all pending issues have been resolved prior to the shipment of any Trolley.

Upon completion of the final inspection, a shipping release form is completed noting any open items remaining on this Trolley. This form will be signed by the FMS Inspector authorizing shipment.

All of the above-mentioned documentation that is prepared for each vehicle becomes a part of the vehicle final report that is prepared at the end of the inspection program. The final report will include a narrative of the overall process and summary of production inspection including description of key issues and corrective actions taken.





Fleet Maintenance Specialists Inc.

PRICE SHEET

It is important to note that the production of the Trolley and typically Rehabilitation in general take longer to produce, simply because they are not built from the ground up but the chassis need to be torn down first so that structural analysis can be performed. Also given the uniqueness of these vehicles, the Steel Wheel Trolley rehabilitation company tend to struggle with finding parts. Furthermore Trolleys are difficult to move around the shop. Therefore, the time it takes to tear down and rebuild a Trolley car requires a lengthier schedule. **It is our opinion that while we bid to a projected mile stone schedule, this schedule may change.**

QA Inspections – 1 Vintage Trolley Car Rehabilitation.

Includes: Final Report to be generated at the end of production.

FMS looks forward to working with Island Transit (City of Galveston) and we thank you for this opportunity to provide our service. This quote is based on a year’s time frame from January to the End of December. At this point the schedule is just speculation and does not reflect the actual schedule.

Quote for this proposed work is hours :

Tasks	Discription	Hours \$90	Days	Labor Cost	Air	Perdeium	Lodging	Rental Car	Total
Trip 1	Teardown and spec review	24	3	2160	1000	150	300	240	3850
Trip 2	Progress review	24	3	2160	1000	150	300	240	3850
Trip 3	Progress review	24	3	2160	1000	150	300	240	3850
Trip 4	Final buy off	32	4	2880	1000	200	400	320	4800
Reports and Admin Cost	Trip reports and final inspection Report	60	5	5400	0	0	0	0	5400
Trip 5 Opt	Trip to Galveston to accept the Trolley	32	4	2880	1000	200	600	320	5000
							Estimated Total		\$26,750.00

Thank You,

Brent S. Sumrall
Chief Executive Officer







Fleet Maintenance Consulting, Inc.
23 Redondo, Laguna Niguel, CA 92677

David Smith
City of Galveston
Executive Director
502 32nd Street
Galveston, TX 77550

February 15, 2023

Dear David,

Thank you for the opportunity to bid and quote the City of Galveston for the inspection and acceptance of the 1988 Minor Streetcar that Gomaco has been rebuilding in Iowa.

Fleet Maintenance Consulting, Inc. (FMC) a California based company, that specializes in the inspection of passenger transport vehicles, especially buses. We have performed inspections for public agencies such as SamTrans, Toronto Transit and Valley Transit, to name a few. We are fully equipped to support the inspection, documentation and acceptance of vehicles and will be compliant with all FTA and Federal guidelines of the process.

We would first ask for all of the specifications and acceptance guidelines so we can evaluate the spec and quality guidelines and would request a pre-production meeting with Gomaco and the City of Galveston before we start. We would periodically visit the production line (based on your recommendation of four times) at strategized intervals, to review the trolley's progress and report our findings. Finally, we would inspect the trolley when it was finished and perform an acceptance inspection that would include:

- Quality control Inspection-defects and build quality.
- Configurations inspection-assure that the trolley is built to spec and invoice.
- Operational Inspection-assure all components are in good working order.

Based on the scope of work provided and the understanding of the on-line inspection process and acceptance, as well as any FTA administrative documentation, I have come up with the following pricing:

Description	Days	Labor	Travel	Total
Inspection	3	3960	2150	6110
Inspection	3	3960	2150	6110
Inspection	3	3960	2150	6110
Inspection	3	3960	2150	6110
Final Inspection	4	4950	2150	7100
				\$31,540.00

Frank Dopp
fleetmaintconsulting@gmail.com
(949) 379-4570



Fleet Maintenance Consulting, Inc.
23 Redondo, Laguna Niguel, CA 92677

This quote is based on a four time visit and final inspection of the trolley. Any additional inspections that are required would be based on the weekly price as above, \$6110 a week.

All reports, documents and travel expenses are included.

Once again thank you for the opportunity to quote this excellent opportunity for the City of Galveston and if you have any questions or comments, please feel free to reach out to me.

Sincerely,

Frank Dopp
Fleet Maintenance Consulting, Inc
fleetmaintconsulting@gmail.com
(949) 379-4570

Frank Dopp
fleetmaintconsulting@gmail.com
(949) 379-4570

David Smith

From: James Oliver
Sent: Wednesday, February 1, 2023 9:42 AM
To: David Smith
Subject: FW: Railcar rebuilds/inspections

Follow Up Flag: Follow up
Flag Status: Completed

Categories: City Council Items

No response from Herzog.



James Oliver, Public Transportation General Manager
Island Transit Department

P.O. Box 779 Galveston, TX 77553 | 3115 Market St Galveston, TX 77550
D:409.797.3914 | C:409.739.6463 | joliver@galvestontx.gov

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From: James Oliver <JOliver@GalvestonTX.Gov>
Sent: Thursday, January 19, 2023 4:11 PM
To: Rich Sampson <rsampson@swta.org>; Lonnie E. Blaydes <lblaydes@htsi.com>
Subject: RE: Railcar rebuilds/inspections

Good afternoon,

Actually, GOMACO is refurbishing the trolley. What Galveston really needs are inspection service during the refurbishment.

Thank you
James Oliver

From: Rich Sampson <rsampson@swta.org>
Sent: Thursday, January 19, 2023 3:59 PM
To: Lonnie E. Blaydes <lblaydes@htsi.com>
Cc: James Oliver <JOliver@GalvestonTX.Gov>
Subject: Railcar rebuilds/inspections

Hi Lonnie,

James Oliver in Galveston called asking about companies to do streetcar rebuilds & inspections. The city council gave them permission to rebuild their 4th streetcar.

Does Herzog do that kind of work, or would you be able to recommend someone if not?

Thanks,

--Rich

Rich Sampson
Executive Director
South West Transit Association
rsampson@swta.org
225.270.0855

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