



Regional Transit Authority
Change Order Routing Sheet

INSTRUCTION: The user department is responsible for providing the information requested below (all parts), securing the requisite signatures, attaching a justification for the change order, and providing a responsibility determination, with pertinent contact information.

A. Department Representative to participate in procurement process:

<u>Darrell LaFrance</u>	<u>Infrastructure Project Manager</u>	<u>8310</u>
Name	Title	Ext.

B. Contract No.: #2014-009

Contract Title and PO No: Canal Street Ferry Terminal Project – Infinity Engineering PO-911980

C. Contract History:

Original Award Value	\$ <u>447,000.00</u>
Previously Executed Change Orders Value	\$ <u>2,739,812.53</u>
Adjusted Contract Value (Prior to Requested Change Order)	\$ <u>3,186,812.53</u>
Current Change Order Value	\$ <u>377,540.07</u>
Revised Contract Value (w/current change order)	\$ <u>3,564,352.60</u>

D. Justification of Change Order:

The Canal Street Ferry Terminal is behind schedule by approximately four months. This delay is due to agency requested changes in design of barge/gangway, interruptions caused by COVID 19 and Hurricane Ida and other issues. As a result of these delays the RTA needs to extend the contract of Infinity Engineering, the Engineer of Record. Infinity is responsible for the engineering design including Civil, Structural, Mechanical and Electrical disciplines. Subconsultants were utilized for Architecture, Landscape Architecture, Geotechnical, and Naval Architecture and will remain the same for the duration of the project. These include Cambridge Seven, Spackman Mossop Michaels) SMM), Eustis Engineering and Mino Marine respectively.

During construction, there have been unforeseen circumstances and design changes that have required design team to respond to attempt to minimize the impact on the project schedule and budget. Staff is tracking all change orders and the reason for the changes so that a proper accounting can occur during the close out of this contract. Each invoice received is supported by timesheet backup including task performed. This will extend the time for the scope of services from 9/2022 until the one-year warranty period is completed.



E. Type of Change Requested: Administrative Supplemental Termination

F. Responsibility Determination: Price determined fair and reasonable based on

G. Prime firm's DBE/SLDBE Commitment (NOTE: The Prime Firm must be notified by the Project Manager that the DBE Commitment percentage applies to the Total Contract Value after all amendments and change orders.):

0 % DBE 0 % SLDBE 100 % Small Business

Additional Information

Alvin G. Expi
DBE/CEO Compliance Manager

8/2/2022
Date

H. Certification of Authorized Grant:

Is this item/specification consistent with the Authorized Grant?

Yes

No

Are there any amendments pending?

Yes

No

If Yes, please attach the amendment to this Routing Sheet and explain.

NA
Director of Grants/ Federal Compliance

Date

I. Funding Source: Federal State Local Other: _____

Funds are specifically allocated in the Department's current fiscal year budget or in a grant to cover this expenditure as follows:

Total Funding Available \$ _____

Previous Cost \$ 3,186,812.53

Revised Projected Cost \$ 3,564,352.60

FTA Grant No.(s) _____

Line Item(s) _____

Operations/Department Code _____

Budget Code(s) 1x Ferry 1047

Other E17 8/2/22

Budget Analyst

Date

Michael J. Smith

8/2/22

Safety

Date



K. Authorizations:

Sina Edward Hanks
Department Head

8/1/2022
Date

Sina Edward Hanks
Division Manager

8/1/2022
Date

[Signature]
Director of Procurement

8/2/22
Date

[Signature]
Chief Financial Officer

8/2/22
Date

Alex Z. Wiggins (New)
Chief Executive Officer

8/3/2022
Date

Regional Transit Authority
 INV.: Accounting Dept (504) 827-8407
 TO: 2817 Canal Street
 New Orleans, Louisiana 70119

Page - 3
 Date - 9/23/20
 Order No. - 911980-014
 Brn/Plt - LA950006

INFINITY ENGINEERING CONSULTANTS
 4001 Division Street
 Metairie LA 70002

SHIP REGIONAL TRANSIT AUTHORITY
 TO: M. MAJOR
 2817 CANAL STREET
 NEW ORLEANS, LA 70119

Ordered - 09/22/15 Vendor No. 5925392 ON CALL A/E INFINITY
 Delivery - 09/22/15 Taken By REQ #102944
 Freight - Default Handling Code PROMISED DELIVERY DATE - 09/29/15

Description / Supplier Item	UM	Unit Cost	Extension
the amount of \$9,400.00.			
New Barge Spec & Fendering	EA	EA	15,603.80
Non Stock Inventory Purchas			
IFERRY.1047			
Amendment 11 for New Barge Spec and Temporary Barge			
Fendering.			
Task 5 Amendment 14			
Non Stock Inventory Purchas	EA	EA	8,763.00
IFERRY.1047			
Task 5 Amendment 14 for Clarifications Document Review			
Non Stock Inventory Purchas	EA	EA	24,000.00
IFERRY.1047			
Task 5 Amendment 15 for Slope Stability Analysis and			
Seepage Test (Partial Change Order to start the work).			
Emergency change order.			
Task 5 Amendment 16			
Non Stock Inventory Purchas	EA	EA	542,107.00
IFERRY.1047			
Task 5 Amendment 16 for Construction Administrative			
Services and balance for the Slope Stability Analysis and			
Seepage Test.			
Task 5 Amendment 17			
Non Stock Inventory Purchas	EA	EA	233,092.00
IFERRY.1047			
Task 5 Amendment 17 - \$103,084 for Half Grand Union Plaza			
Redesign; \$63,640 for Barge Modifications and Additions;			
\$66,168 for Added Overhead Rate Adjustment totalling			
\$233,092.			
	Sales Tax	Total Order	
Terms Net 30	Tax Rt		3,186,812.53

DATE RECEIVED _____
 RECEIVED BY _____
 CHECKED BY _____
 APPROVED BY _____

ORDER NUMBER AND
 PERSON TO WHOM ADDRESSED
 MUST APPEAR ON ALL
 PACKAGES AND INVOICES

REGIONAL TRANSIT AUTHORITY
 TAX EXEMPT
 BY *Mark Amato*
 MANAGER, PURCHASING DEPT.

ANY CONFLICT, DISPUTE, LEGAL PROCEEDING, SETTLEMENT OR OTHER MATTER HAVING A
 LEGALLY BINDING IMPACT ON THE PARTIES HERETO SHALL BE RESOLVED PURSUANT TO
 THE LAWS AND JURISPRUDENCE OF THE STATE OF LOUISIANA.

INV. DATE	INV. NUMBER	INV. AMOUNT	TAX	FREIGHT	INV. TOTAL

Flozell Daniels
 Flozell Daniels
 Chairman
 RTA Board of Commissioners

Regional Transit Authority
INV.: Accounting Dept (504) 827-6407
TO : 2817 Canal Street
New Orleans, Louisiana 70119

Page 1
Date 9/23/20
Order No. 911980-014
Brn/Plt LA950006

INFINITY ENGINEERING CONSULTANTS
4001 Division Street
Metairie LA 70002

SHIP REGIONAL TRANSIT AUTHORITY
TO M. MAJOR
2817 CANAL STREET
NEW ORLEANS, LA 70119

Ordered - 09/22/15 Vendor No. 5925392 ON CALL A/E INFINITY
Delivery - 09/22/15 Taken By REG #102944
Freight Default - Handling Code PROMISED DELIVERY DATE - 09/29/15

Description / Supplier Item	UM	Unit Cost	Extension
PROFESSIONAL A/E ON-CALL	EA		
SERVICES-SMALL BUSINESS	EA		447,000.00
LA950006.7070.123105			
ENTERPRISE-TASK 5			
BANK STABILITY, WHARF AND SITE CIVIL DESIGN SERVICES.			
INFINITY ENGINEERING CONSULTANTS, LLC HAS THE EXPERTISE TO			
PROVIDE THE REQUIRED BANK STABILITY, WHARF AND SITE CIVIL			
DESIGN SERVICES FOR THE CANAL STREET FERRY TERMINAL. THE			
CANAL STREET FERRY TERMINAL PROJECT IS BEING DONE PURSUANT			
TO THE FEBRUARY 2014 CEA FOR FERRY OPERATIONS. THE TOTAL			
NOT TO EXCEED COST FOR TASK 5 IS \$447,000.00 PURSUANT TO			
RTD 12014-009 OUTLINED IN THEIR CORRESPONDENCE DATED AUG.			
14, 2015.			
TASK 5 AMENDMENT	EA		
Non Stock Inventory Purchase	EA		322,920.00
LA950006.7070.123105			
FTA GRANTED APPROVAL TO MOVE DESIGN OF THE CANAL STREET			
FERRY TERMINAL PROJECT FROM 30% TO 60%.			
THE TOTAL NOT TO EXCEED COST FOR TASK 5 AMENDMENT IS			
\$322,920.00			
TASK 5 AMENDMENT	EA		
Non Stock Inventory Purchase	EA		153,518.21
LA950006.7070.123105			
FTA GRANTED APPROVAL TO MOVE DESIGN OF THE CANAL STREET			
FERRY TERMINAL PROJECT FROM 60% TO 100%. Task 5 Amendment 2			
TASK 5 AMENDMENT	EA		
Non Stock Inventory Purchase	EA		372,528.00
LA2017-019.7070.123101			
Final Design and to provide assistance to RTA and the			
PM/CM during the bidding and construction phase of the			
Canal Street Ferry Terminal Project. Task 5 Amendment 3			
TASK 5 AMENDMENT 4	EA		
Non Stock Inventory Purchase	EA		12,637.00
LA2017-019.1049.123101			

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New Orleans, Louisiana 70119

Page = 2
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INFINITY ENGINEERING CONSULTANTS
4001 Division Street
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SHIP REGIONAL TRANSIT AUTHORITY
TO: M. MAJOR
2817 CANAL STREET
NEW ORLEANS, LA 70119

Ordered - 09/22/15 Vendor No. 5925392 ON CALL A/E INFINITY
Delivery - 09/22/15 Taken By - REQ #102944
Freight - Default - Handling Code PROMISED DELIVERY DATE - 09/29/15

Description / Supplier Item	UM	Unit Cost	Extension
TRAFFIC STUDY TO ROUTE RTA BUSES THROUGH THE ENTIRETY OF RADINE STREET IS REQUIRED IN ORDER TO OBTAIN DPW'S APPROVAL	EA		
TASK 5 AMENDMENT 5 Non Stock Inventory Purchas LA950006.1047.123105	EA		18,300.00
REDESIGN OF WHARF TO ACCOMMODATE HEAVY FIRE TRUCKS PER NOFD	EA		
TASK 5 AMENDMENT 6 Non Stock Inventory Purchas LA2017-019.1047.123101	EA		9,694.73
REDESIGN TEMPORARY BERTHING FOR NEW FERRY BOAT	EA		
TASK 5 AMENDMENT 7 Non Stock Inventory Purchas IAL61ERSTERM.1042.123105	EA		4,568.79
FERRY TERMINAL GRANT APPLICATION FOR ALGIERS FERRY	EA		
Task 5 Amendment 8 Non Stock Inventory Purchas 1FERRY.1047	EA		996,200.00
Amendment to appoint Infinity as the project Engineer of Record responsible for all Architectural and engineering Services needed to develop the final construction documents. RTA has reconfigured the CSFT project to execute under CMAR method of project delivery.	EA		
Task 5 Amendment 9 Non Stock Inventory Purchas 1FERRY.1047	EA		16,480.00
Task #5 Amendment #9 to provide travel expenses for Cambridge 7 which is project's new architectural firm in the amount of \$16,480.00.	EA		
Task 5 Amendment 10 Non Stock Inventory Purchas 1FERRY.1047	EA		9,400.00
Task #5 Amendment #9 provide Timber Pile Analysis for timber piles to be considered as an alternative to steel piles in			

PROPOSAL

July 13, 2022

Lona Edwards Hankins
Chief of Infrastructure and Planning
Regional Transit Authority of New Orleans
2817 Canal Street
New Orleans, LA 70119

Re: Canal Street Ferry Terminal
Construction Phase
Amendment Request – REV.1
Infinity No. 18-076-01

Dear Ms. Hankins:

We are hereby providing to you this amendment request to provide various services related to extended Construction Administration and to design changes for RTA's Canal Street Ferry Project (CMAR). Our original Amendment Request was made on April 6, 2022. This revision is the result of RTA's requests to update manhour estimates and 4400 forms to reflect the current date. Our proposal is as follows:

Project Description

Infinity is the Professional of Record for the Canal Street Ferry Terminal CMAR project, having been contracted by the RTA in March 2019 to perform engineering designs. The project is fully designed and construction is roughly 75% complete, with Final Completion projected for the first quarter of 2023.

Infinity self-performed engineering designs including Civil, Structural, Mechanical and Electrical disciplines. Subconsultants were utilized for Architecture, Landscape Architecture, Geotechnical, and Naval Architecture and will remain the same for the duration of the project. These include Cambridge Seven, Spackman Mossop Michaels (SMM), Eustis Engineering (Eustis) and MiNO Marine (MiNO), respectively.

During construction, there have been unforeseen circumstances and design changes that the design team has been performing in good faith in order to not delay construction. The RTA has been kept up to date on work that is considered out of scope – via emails, conversations, and by tracking the efforts under a separate billing task that is supported by timesheet backup. Timesheets for all time spent have been sent to RTA every two weeks throughout the Construction phase of the project. A summary of additional work, along with the status of each item, is as follows:

Approx. Date	Description	
9/23/2020	Project meetings in excess of allotted 1/every other week for 24 months starting September 2020.	Ongoing
10/5/2020	Create project site signs per RTA request (Stephen Mitchell).	Complete
10/8/2020	Design relocation of existing cable and electrical system installed on OCS poles #L54 and #L55 to OCS Pole #53.	complete
10/20/2020	Doorway transition from Copelands. Coordinate with Mathes Brierre.	complete
11/2/2020	Remove superstructure from Jackson Avenue barge.	complete
11/5/2020	Revise A1.01 and create additional Life Safety Plans per new SFM requests.	complete
1/28/2021	Move arcade wall cut and design tie-back for wall to rest of structure.	complete
1/28/2021	Repair arcade foundation.	complete
3/16/2021	Review and respond to Architectural Review performed by WGI.	complete
April 2021	Legal assistance with Howard Hughes injunction.	complete
5/26/2021	Design of 144 sf storage building for Howard Hughes.	complete
May 2021	Revise fencing and gates per Operations and Security requests. Previously, Operational requirements were undetermined.	on-going
7/10/2021	Make changes to structural steel based on WGI review requirements.	complete
7/14/2021	Additional ferry shore power, resize electrical, per Operations requirements.	complete
9/15/2021	Transition plate at Temporary Berth redesign due to unforeseen conditions.	complete
9/15/2021	Design arcade reconstruction. Provide preliminary options, finalize design.	complete
10/4/2021	Check gangway pin and hinge for proposed substitution of stainless steel for carbon steel. Check dissimilar metals.	complete
11/8/2021	Redesign terminal building footing, beam, and column, due to piles driven out of tolerance east support columns of pedestrian bridge over tracks.	complete
11/10/2021	Create RFP to remove Bus Stop from project.	complete
11/11/2021	Add sewage line to city from permanent barge.	complete
11/10/2021	Design infill and repair to Aquarium wharf under area where planters were removed. Unforeseen conditions, was thought to be a conc slab until planters were demo'd.	complete
12/15/2021	Redesign piles and wharf beams around unforeseen existing obstructions.	complete
1/11/2022	Revise Revit model and meet with Aquarium about aesthetics and safety at transition.	complete
6/21/2022	Add TVM at Queuing Pavilion	on-going

Scope of Services:

The following items are included in the Scope of Work for this amendment request:

1. All previously completed out-of-scope work, as described above. Timesheet backup has been submitted bi-weekly as the work was performed.
2. Work noted as on-going, above.
3. Forecasted work to complete project from the end date of our last invoice, 6/20/2022, through December 2022, as detailed in attached 4400 forms and manhour estimates.

Fees and Payment

We have prepared a man-hour estimate based on our level of effort, using previously submitted Audited Overhead Rates plus profit (copy attached). Subconsultant proposals are also attached. We propose to provide our services to the RTA on a TIME AND MATERIALS WITH A NOT-TO-EXCEED BASIS as follows:

Vendor	Total Contract	Invoice Total ²	Remaining	Forecasted Amount ³	Add'l Requested
Infinity	\$ 553,278.00	\$ 676,445.74	\$ (123,167.74)	\$ 127,922.21	\$ 251,089.95
CA Proposal ¹	411040				
Amendment Request ¹	142238				
C7	\$ 188,438.00	\$186,163.39	\$2,274.61	\$ 64,594.87	\$64,594.87
CA Proposal ¹	\$ 176,788.00				
Amendment Request ¹	\$ 1,650.00				
SMM	\$ 22,464.00	\$24,762.50	\$ (2,298.50)	\$ 5,232.50	\$2,934.00
CA Proposal ¹	\$ 9,900.00				
Amendment Request ¹	\$ 12,564.00				
Eustis	\$ 13,000.00	\$4,623.46	\$8,376.54	NA	NA
Amendment Request ¹	\$ 13,000.00				
MINO	\$ 75,140.00	\$67,565.09	\$7,574.91	See attached.	\$58,921.25
CA Proposal ¹	\$ 11,500.00				
Amendment Request ¹	\$ 63,640.00				
Totals	\$ 852,320.00	\$ 959,560.18	\$ (107,240.18)		\$ 377,540.07

¹CA Proposal dated 5/8/2020, Amendment Request dated 8/26/2020.

²Through period ending 6/19/2022.

³Period includes 6/20/2022-12/31/2022.

Clarifications and Exclusions

1. As of the date of this request, Mino has invoiced through September 2021. It is anticipated that Mino will invoice for their remaining fee plus some additional amount. An additional amendment request would be made at that time.

We ask that you call us with any questions that you might have.

Sincerely,

Infinity Engineering Consultants, LLC

Rachel A. Kenney, P.E.

Rachel A. Kenney, P.E.
Chief Engineer

Scope of Services:

The following items are included in the Scope of Work for this amendment request:

1. All previously completed out-of-scope work, as described above. Timesheet backup has been submitted bi-weekly as the work was performed.
2. Work noted as on-going, above.
3. Forecasted work to complete project through March 2023, as detailed in attached 4400 forms.

Fees and Payment

We have prepared a man-hour estimate based on our level of effort, using previously submitted Audited Overhead Rates plus profit (copy attached). Subconsultant proposals are also attached. We propose to provide our services to the RTA on a TIME AND MATERIALS WITH A NOT-TO-EXCEED BASIS as follows:

Vendor	Total Contract	Invoice Total	Remaining	Add'l Requested
Infinity	\$ 553,278.00	\$ 590,785.10	\$(37,507.10)	\$ 236,318.13
CA Proposal	411040			
Amendment Request	142238			
C7	\$ 188,438.00	\$139,445.45	\$48,992.55	\$119,511.00
CA Proposal	\$ 176,788.00			
Amendment Request	\$ 1,650.00			
SMM	\$ 22,464.00	\$18,953.75	\$3,510.25	\$5,175.00
CA Proposal	\$ 9,900.00			
Amendment Request	\$ 12,564.00			
Eustis	\$ 13,000.00	\$4,623.46	\$8,376.54	NA
Amendment Request	\$ 13,000.00			
MiNO	\$ 75,140.00	\$67,565.09	\$7,574.91	\$58,921.25
CA Proposal	\$ 11,500.00			
Amendment Request	\$ 63,640.00			
Totals	\$ 852,320.00	\$ 821,372.85	\$ 30,947.15	\$ 419,925.38

Clarifications and Exclusions

1. As of the date of this request, Mino has invoiced through September 2021. It is anticipated that Mino will invoice for their remaining fee plus some additional amount. An additional amendment request would be made at that time.

FEDERAL AVIATION AGENCY COST AND PRICE ANALYSIS - RESEARCH AND DEVELOPMENT CONTRACTS		Form approved Budget Bureau No. 06-r120	
This form is to be used in lieu of FAA Form 3515 as provided under FAPH 2-16-260-2, it will be executed and submitted with proposals in response to "Requests for Proposals," for the procurement of research and development services. If your cost accounting system does not permit analysis of costs as required, contact the purchasing office for further instructions.		PURCHASE REQUEST NUMBER	
NAME AND ADDRESS OF OFFERER Infinity Engineering Consultants, LLC 4001 Division Street Metairie, LA 70002		TITLE OF PROJECT Canal Street Ferry Terminal Construction Administration	
DETAIL DESCRIPTION Engineering designs, construction drawings, technical specifications, bidding assistance, and construction administration assistance for modifications to the existing Algiers ferry terminal barge to receive new modern ferries.	ESTIMATED HOURS	RATE/HOUR	TOTAL ESTIMATED COST (Dollars)
1) DIRECT LABOR (Specify)			
Principal Engineer	20	\$80.00	\$1,600.00
Chief Engineer	296	\$68.00	\$20,128.00
Senior Engineer	63	\$60.00	\$3,780.00
Engineering Manager	0	\$46.03	\$0.00
Project Engineer I	0	\$48.50	\$0.00
Project Engineer II	0	\$48.50	\$0.00
Project Engineer III	0	\$38.25	\$0.00
Project Engineer IV	147	\$38.75	\$5,696.25
Associate Engineer	0	\$27.50	\$0.00
Drafting Manager	0	\$45.00	\$0.00
Senior Designer	0	\$41.00	\$0.00
Designer	323	\$30.00	\$9,690.00
Senior Drafter	0	\$30.00	\$0.00
Document Control/Project Assistant	162	\$31.00	\$5,022.00
TOTAL DIRECT LABOR		1011	\$45,916.25
2) BURDEN (Overhead - Specify)	BURDEN RATE	% BASE =	BURDEN (\$)
Corporate Overhead	142.26%	\$45,916.25	\$65,320.46
TOTAL BURDEN			
3) DIRECT MATERIAL			
TOTAL MATERIAL			\$0.00
4) SPECIAL TESTING (Including field work at Governmental installations)			
TOTAL SPECIAL TESTING			
5) SPECIAL EQUIPMENT (If direct charge - specify in Exhibit B on reverse)			
6) TRAVEL (If direct charge)			
a) TRANSPORTATION			
b) PER DIEM OR SUBSISTENCE			
TOTAL TRAVEL		Kickoff Mtg & PM Weekly Trips	\$0.00
7) CONSULTANTS (Identify - purpose - rate)			
TOTAL CONSULTANTS			\$ -
8) SUBCONTRACTS (Specify in Exhibit B on reverse)			
TOTAL SUBCONTRACTS			\$0.00
9) OTHER DIRECT COSTS (Specify in Exhibit B on reverse Explain royalty costs, in any)			
TOTAL OTHER DIRECT COSTS			\$0.00
10) GENERAL AND ADMINISTRATIVE EXPENSE (Rates % of item nos.)			
TOTAL ESTIMATED COSTS			\$111,236.71
13) FIXED FEE OR PROFIT (State basis for amount in proposal) 15 % of LABOR & OVERHEAD			\$16,685.51
14) TOTAL ESTIMATED COST AND FIXED FEE OR PROFIT			\$127,922.21

15) OVERHEAD RATE AND GENERAL ADMINISTRATIVE RATE INFORMATION			
		TYPE	AMOUNT
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
17) EXHIBIT B - OTHER DIRECT COSTS (Specify, if more space is needed, use blank sheets, identifying item numbers)			
TOTAL:			\$0.00
<p align="center">CERTIFICATE</p> <p>The labor rates and overhead costs are current and other estimated costs have been determined by generally accepted accounting principles. Bidder represents: (A) that he has or has not, employed or retained any company or person (other than a full-time bona fide employee working solely for the bidder) to solicit or secure this contract, and (b) that he has or has not, paid or agreed to pay any company or persons (other than a full-time bona fide employee working solely for the bidder) any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract, and agrees to furnish information relating to (a) and (b) above, as requested by the Contracting Offices.</p>			
(For interpretation of the representation, including the term "bona fide employee," see (Code of Federal Regulations. Title 44, Part 150.)			
NUMBER OF CONTRACTOR EMPLOYEES		STATE INCORPORATED IN	
30		Louisiana	
4/6/2022	SIGNATURE AND TITLE OF AUTHORIZED REPRESENTATIVE OF CONTRACTOR		Principal Partner

MANHOURS ALLOCATION

1. TASKS

a.	Project Meetings/Site Visits	31%
b.	RFI Review & Submittal Review	33%
c.	Revise & Resubmit Drawings	12%
d.	QAQC	13%
e.	As-Builts	11%
f.	Document Control	0%
		<u>100%</u>

2. DIRECT SALARY COSTS

POSITION	DEPARTMENT	a.	b.	c.	d.	e.	f.	TOTAL	RATE	COST
Principal					20			20	\$80.00	\$1,600.00
Chief Engineer	Structural	102	140	27	27			296	\$68.00	\$20,128.00
Senior Engineer	Civil		45	18				63	\$60.00	\$3,780.00
Engineering Manager	NA							0	\$46.03	\$0.00
Project Engineer I	Mechanical							0	\$48.50	\$0.00
Project Engineer II	Civil/Structural							0	\$48.50	\$0.00
Project Engineer III	Electrical							0	\$38.25	\$0.00
Project Engineer IV	Mechanical	6	81		60			147	\$38.75	\$5,696.25
Drafting Manager	Drafting							0	\$45.00	\$0.00
Designer	Drafting	243		80				323	\$30.00	\$9,690.00
Senior Drafter	Drafting							0	\$30.00	\$0.00
Document Control	Technical					162		162	\$31.00	\$5,022.00
		<u>351</u>	<u>266</u>	<u>125</u>	<u>107</u>	<u>162</u>	<u>0</u>	<u>1,011</u>		\$45,916.25

FEDERAL AVIATION AGENCY COST AND PRICE ANALYSIS - RESEARCH AND DEVELOPMENT CONTRACTS			Form approved Budget Bureau No. 06-r120	
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			As-Needed Services 2022	
NAME AND ADDRESS OF OFFERER Cambridge Seven Associates LLC 1050 Massachusetts Avenue Cambridge, MA 02138			TITLE OF PROJECT New Orleans RTA Ferry Terminal and Pedestrian Bridge	
DETAIL DESCRIPTION Additional Service - 5, Extended CA		ESTIMATED HOURS	RATE/HOUR	TOTAL ESTIMATED COST (Dollars)
1) DIRECT LABOR (Specify)				
Principal 1		54	\$85.34	\$4,608.36
Staff 1		310	\$45.67	\$14,157.70
TOTAL DIRECT LABOR		364		\$18,766.06
2) BURDEN (Overhead - Specify)	BURDEN RATE	X BASE =		BURDEN (\$)
a) Fringe	49.43%	\$18,766.06		\$9,275.69
b) Corporate Overhead	149.89%	\$18,766.06		\$28,127.70
TOTAL BURDEN				\$37,403.39
3) DIRECT MATERIAL				
TOTAL MATERIAL				As-Needed
4) SPECIAL TESTING (Including field work at Governmental installations)				
TOTAL SPECIAL TESTING				
5) SPECIAL EQUIPMENT (If direct charge - specify in Exhibit B on reverse)				
6) TRAVEL (If direct charge)				
a) TRANSPORTATION				
b) PER DIEM OR SUBSISTENCE				
TOTAL TRAVEL	Kickoff Mig. & PM Weekly Trips			As-Needed
7) CONSULTANTS (Identify - purpose - rate)				
Consultants				\$ -
TOTAL CONSULTANTS				
8) SUBCONTRACTS (Specify in Exhibit B on reverse)				\$0.00
9) OTHER DIRECT COSTS (Specify in Exhibit B on reverse Explain royalty costs, in any)				\$0.00
10) TOTAL Direct Cost & Burden				\$56,169.45
11) GENERAL AND ADMINISTRATIVE EXPENSE				
12) TOTAL ESTIMATED COSTS				\$56,169.45
13) FIXED FEE OR PROFIT (State basis for amount in proposal) 15% of LABOR & OVERHEAD				\$8,425.42
14) TOTAL ESTIMATED COST AND FIXED FEE OR PROFIT				\$64,594.87

(5) OVERHEAD RATE AND GENERAL ADMINISTRATIVE RATE INFORMATION				
A. GOVERNMENT AUDIT PERFORMED	DATE OF AUDIT	ACCOUNTING PERIOD COVERED Fiscal Year ending December 31, 2021		
B. NAME AND ADDRESS OF GOVERNMENT AGENCY MAKING AUDIT		C. DO YOUR CONTRACTS PROVIDE NEGOTIATED Agency negotiating rates)		
D. (If no Government rates have been established furnish the following information)				
DEPARTMENT OR COST CENTER	RATE	BASE	INDIRECT EXPENSE POOL	BASE FOR TOTAL
Fringe	49.43%	direct labor	Fringe	\$9,275.69
Corporate Overhead	149.89%	direct labor	Corporate Overhead	\$28,127.70
G&A		direct labor	G&A	\$0.00
(6) EXHIBIT A - SUB CONSULTANT INFORMATION (If more space is needed use blank sheets, identifying item numbers)				
NAME AND ADDRESS OF SUBCONTRACTOR	SUBCONTRACTED WORK		SUBCONTRACT	
			TYPE	AMOUNT
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
			Cost + Fixed Fee	
(7) EXHIBIT B - OTHER DIRECT COSTS (Specify, if more space is needed, use blank sheets, identifying item numbers)				
TOTAL:				\$0.00
CERTIFICATE				
<p>The labor rates and overhead costs are current and other estimated costs have been determined by generally accepted accounting principles. Bidder represents: (A) that he has, or has not, employed or retained any company or person (other than a full-time bona fide employee working solely for the bidder) to solicit or secure this contract, and (b) that he has, or has not, paid or agreed to pay any company or persons (other than a full-time bona fide employee working solely for the bidder) any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract, and agrees to furnish information relating to (a) and (b) above, as requested by the Contracting Offices.</p>				
(For interpretation of the representation, including the term "bona fide employee," see (Code of Federal Regulations Title 44, Part 150.)				
NUMBER OF CONTRACTOR EMPLOYEES		STATE INCORPORATED IN		
9/6/2019	SIGNATURE AND TITLE OF AUTHORIZED REPRESENTATIVE OF CONTRACTOR Principal Partner			

Figure III-C-1 (Page 2 of 2)

MANHOURS ALLOCATION

Additional Scope 5: Extended CA (6/20/2022 – 12/30/2022: projected construction end date by RTA

Submitted by: Cambridge Seven Associates, LLC.

7/13/2022

Project: Canal Street Ferry Terminal

Project No: 1909.04

1. TASKS

Phase a, Construction Administration (23weeks)

Phase b, Construction Close-out (4weeks)

2. DIRECT SALARY COSTS

HOURS

Principal 2 - Yongjoo Kim
Principal 1 - Gary Johnson
Senior Designer Level III
Senior Designer Level II
Senior Designer Level I- Wei Gao
Designer Level IV
Designer Level III
Designer Level III
Designer Level I
JR Designer
Technical Support

a	b	TOTAL	RATE*	COST
46	8	54	\$85.34	\$4,608.36
		0	\$84.22	\$0.00
		0	\$61.43	\$0.00
		0	\$52.86	\$0.00
258	52	310	\$45.67	\$14,157.70
		0	\$40.00	\$0.00
		0	\$34.29	\$0.00
		0	\$28.57	\$0.00
		0	\$25.71	\$0.00
		0	\$20.00	\$0.00
		0	\$25.71	\$0.00
304	60	364		\$18,766.06

* : Rate is raw rate, does not include overhead and profit.

15) OVERHEAD RATE AND GENERAL ADMINISTRATIVE RATE INFORMATION			
		TYPE	AMOUNT
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
		Cost + Fixed Fee	
17) EXHIBIT B - OTHER DIRECT COSTS (Specify, if more space is needed, use blank sheets, identifying item numbers)			
TOTAL:		\$0.00	
<p align="center">CERTIFICATE</p> <p>The labor rates and overhead costs are current and other estimated costs have been determined by generally accepted accounting principles. Bidder represents: (A) that he has, or has not, employed or retained any company or person (other than a full-time bona fide employee working solely for the bidder) to solicit or secure this contract, and (b) that he has, or has not, paid or agreed to pay any company or persons (other than a full-time bona fide employee working solely for the bidder) any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract, and agrees to furnish information relating to (a) and (b) above, as requested by the Contracting Offices.</p>			
(For interpretation of the representation, including the term "bona fide employee," see (Code of Federal Regulations, Title 44, Part 150.)			
NUMBER OF CONTRACTOR EMPLOYEES		STATE INCORPORATED IN	
SIGNATURE AND TITLE OF AUTHORIZED REPRESENTATIVE OF CONTRACTOR			

RTA Canal Street Ferry Landing Temporary and New Construction Barges

Invoice 4029, Dated 1/2/2020, Summary and Details

for Infinity Engineering Consultants, LLC

by MiNO Marine, LLC

1/2/2022

Invoice Summary:

Task	Subtask	Sum of Amount
Base Scope	1092 - Infinity Engineering – RTA Ferry Landing:	\$ 7,920.00
	1092 SC001 – Ferry Landing New Construction Brief Spec:001	\$ 281.25
	1092.02 RTA Ferry Landing - Refurb Spec:02	\$ 2,625.00
	1092.03 RTA Ferry Landing - General Arrangement:03	\$ 2,991.25
	1092.04 RTA Ferry Landing - Structural Arrangement:4	\$ 3,265.00
	1092.06 - Jackson Avenue Barge Refurbishment:06	\$ 13,905.00
	1092 Expenses	\$ 36.96
Out of Scope	1092.07 - Out of Scope - Jackson Ave Barge:07	\$ 14,278.75
	1092.08 - Out of Scope - New Construction Barge:08	\$ 44,642.50
	Grand Total	\$ 89,945.71

Invoice details begin on the next page. Details of scope change and out of scope work tasks follow the Invoice on sheets 25 and 26 of this PDF.

MiNO Marine LLC

4615 S Carrollton Avenue,
New Orleans, LA 70119
Tel: (504) 218-8162
david@minomarine.com
www.minomarine.com

Invoice

Infinity Engineering Consultants LLC
4001 Division Street
Metairie, LA 70002

Invoice Date: Jan 2, 2022
Invoice Num: 4029
Billing Through: Sep 30, 2021

1092 - RTA Ferry Landing

Professional Services:

Classification

Principal/Project Manager
Project Engineer
Structural Lead
Designer

<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
17.00	\$195.00	\$3,315.00
4.50	\$125.00	\$562.50
4.50	\$125.00	\$562.50
43.50	\$80.00	\$3,480.00

Total Services: | **\$7,920.00**

1092 - RTA Ferry Landing - Total Amount Due:	\$7,920.00
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1092 SC001 – Ferry Landing New Construction Brief

Professional Services:

Classification

Project Engineer

<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
2.25	\$125.00	\$281.25

Total Services: | **\$281.25**

1092 SC001 – Ferry Landing New Construction Brief - Total Amount Due: \$281.25

1092.02 RTA Ferry Landing - Refurbishment Spec

Professional Services:

Classification

Project Engineer

<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
21.00	\$125.00	\$2,625.00

Total Services: | **\$2,625.00**

1092.02 RTA Ferry Landing - Refurbishment Spec - Total Amount Due:		\$2,625.00
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1092.03 RTA Ferry Landing - General Arrangement

Professional Services:

Classification

Principal/Project Manager
Project Engineer
Designer

<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
5.75	\$195.00	\$1,121.25
14.00	\$125.00	\$1,750.00
1.50	\$80.00	\$120.00

Total Services: | **\$2,991.25**

1092.03 RTA Ferry Landing - General Arrangement - Total Amount Due:	\$2,991.25
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1092.04 RTA Ferry Landing - Structural Arrangement

Professional Services:

Classification

<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
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1092.04 RTA Ferry Landing - Structural Arrangement

Professional Services:

Classification

Structural Lead
Designer

Hours	Rate	Amount
13.00	\$125.00	\$1,625.00
20.50	\$80.00	\$1,640.00

Total Services: **\$3,265.00**

1092.04 RTA Ferry Landing - Structural Arrangement - Total Amount Due: **\$3,265.00**

1092.06 - Jackson Avenue Barge Refurbishment

Professional Services:

Classification

Principal/Project Manager
Project Engineer

Hours	Rate	Amount
10.25	\$195.00	\$1,998.75
95.25	\$125.00	\$11,906.25

Total Services: **\$13,905.00**

Reimbursable Expenses:

Description

Auto mileage

Units	Amount
66.00	\$36.96

Total Expenses: **\$36.96**

1092.06 - Jackson Avenue Barge Refurbishment - Total Amount Due: **\$13,941.96**

1092.07 - Out of Scope - Jackson Ave Barge

Professional Services:

Classification

Principal/Project Manager
Project Engineer
Naval Architect
Designer

Hours	Rate	Amount
19.50	\$195.00	\$3,802.50
66.25	\$125.00	\$8,281.25
13.00	\$95.00	\$1,235.00
12.00	\$80.00	\$960.00

Total Services: **\$14,278.75**

1092.07 - Out of Scope - Jackson Ave Barge - Total Amount Due: **\$14,278.75**

1092.08 - Out of Scope - New Construction Barge

Professional Services:

Classification

Principal/Project Manager
Project Engineer
Structural Lead
Naval Architect

Hours	Rate	Amount
29.25	\$195.00	\$5,703.75
232.00	\$125.00	\$29,000.00
21.75	\$125.00	\$2,718.75
12.00	\$95.00	\$1,140.00

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Metairie, LA 70002

Invoice Date: Jan 2, 2022**Invoice Num: 4029**

Billing Through: Sep 30, 2021

1092.08 - Out of Scope - New Construction Barge

Professional Services:

Classification

Designer

<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
76.00	\$80.00	\$6,080.00

Total Services: | \$44,642.50

1092.08 - Out of Scope - New Construction Barge - Total Amount Due: \$44,642.50

Amount Due This Invoice:	\$89,945.71
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This invoice is due on 2/1/2022



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Billing Through: Sep 30, 2021

1092 - RTA Ferry Landing

Classification

Designer

Description

FINISH REVISION OF DETAILS FOR MANHOLES ON NA1-01, NA2-02 & NA3-02&03
calculated area of ballast fill line to size vent. created sounding tube & vent details.
PUT MANHOLES ON STRUCTURAL OUTFITTING W/ DETAILS
continue on f.v & s details & locations and NA-1, NA2, NA3 markups
NA2-01 SHEET 2 MARKUPS
NA3-01 DISCUSSION ON LOCATION & DETAILS OF MANHOLES
NA12-01 POTABLE WATER SHORE CONNECTION DWG
RESIZE VOID VENTS, DRAW SEPARATE DETAIL FOR VOID VENTS.
CHANGE SIZE ON NA1, NA2, NA3. BRETT'S MARK-UPS ON NA3; NA10 MARKUPS; NA11 MARKUPS
locate vents & sounding tubes on mn dk plans & elevations on NA-02 and NA-01. Redlines for NA-03

Principal/Project Manager

Review of Ballast, Sewage and Potable Water system diagrams.
Planning for release of structural drawings.
Review of SOW and GA
review Statement of Work, scantlings, electrical, discussion of changes with Infinity
Review of document progress.
Document status discussion with Brett.
Drawing revision research
Drawing review, approval, seal and sign.
Electrical and Scantling Review
Electrical review

Project Engineer

Review Markups
Jackson Avenue barge site visit at C&C Marine and Repair.
checking 18-076 RTA CMAR / Submittal #350200-5.1 Temporary Barge Shop Drawings for fenders.

Structural Lead

Checked new arrangement of Jackson Ave temporary barge fender arrangement in way old platform. Calculated forces on pipe and vertical I beams. Increased sizes and sent to Brett.



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Meeting with Brett to discuss check of fender supports on temporary barge and reviewed drawings.

1092 SC001 – Ferry Landing New Construction Brief

Classification

Description

Project Engineer

Provided technical comments in response to Canal Street barge RFI from Conrad Shipyard regarding surface preparation requirements for ballast tanks and voids. Reference email dated 04/27/2021 and Subject: RE: 18-076-01 CSFT CMAR CA - FW: RFP#03 Clarifications - Ballast / Void Surface Prep.

1092.02 RTA Ferry Landing - Refurbishment Spec

Classification

Description

Project Engineer

Updates to the New Construction plans based on customer requested modifications/changes to the plans that were issued on 03/25/2020.
Submitted Enclosure [1] to the SOW, the Technical Marine Coating Specification.
Updates to the New Construction plans based on customer requested modifications/changes to the plans that were issued on 03/25/2020.
Updates to the New Construction plans based on customer requested modifications/changes to the plans that were issued on 03/25/2020.
Checked MiNO deliverables provided with the One Hub data drop for the permanent barge redesign.
Updates to the New Construction plans based on customer requested modifications/changes to the plans that were issued on 03/25/2020.
Updates to the New Construction plans based on customer requested modifications/changes to the plans that were issued on 03/25/2020.
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