SUBJECT: **RFQ FOR DESIGN-BUILD SVCS FOR HORIZONTAL/CIVIL ENGINEERING PROJECTS**

BID # **CDB-0006-16** OPEN DATE: **10/21/2015**

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: **DEPARTMENT OF PUBLIC WORKS**

BASIS OF AWARD: **QUALIFICATIONS BASED**

NUMBER OF BIDS INVITED: - NUMBER RECEIVED: - OTHER: -

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The Jork Road Bridge Replacement Project was awarded to J.B. Coxwell Contracting, Inc., on 07/07/16 in the amount of $163,726.00.

Recommend approval of Change Order #1 to J. B. Coxwell Contracting, Inc., in the amount of $1,628,700.79, which includes $75,000.00 in contingency. The scope work is for 100% design, permitting and construction, as noted in the Scope & Fee Summary, Exhibit "C-2" and a completion date of 395 days from the notice to proceed. Total annual expenditure amount is currently at $30,000,000.00; total amount spent to date is $21,056,138.84.

Funding for this project to be executed by Amendment 1B for contract # 6533-54 and encumbered by account: 001123.565030.1.32104.381920- $86,274.00; 001123.565051.2.32111.384020- $292,426.79, and; 005519.565050.1.10401.338010- $1,250,000.00

Attachments: Recommendation Memo, Exhibit C-2, Previous Award(s)

BUYER _____ RESPECTFULLY SUBMITTED _____
MARILYN LAIDLER GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: **Robin G. Smith, P.E., Chief-Engineering & Construction Management Division**

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING_____ MEMBERS DISAPPROVING_____ DATE:_____

_____ _____ OTHER_____

_____ _____

_____ _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED_____ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
www.coj.net

ONE CITY ONE JACKSONVILLE

November 17, 2020

TO: Gregory W. Pease
Chief of Procurement

THRU: John P. Pappas, P.E.
Director

FROM: Robin G. Smith, P.E.
Chief, Engineering and Construction Management

SUBJECT: CDB-0006-16 – Design-Build Services - Horizontal & Civil Engineering – Jork Road Bridge Replacement
AMENDMENT 1B

In accordance with Design/Build CDB-0006-16, Contract 6533-54, the Jork Road Bridge Replacement project was awarded by Amendment 1A, in the amount of $163,726.00 f or survey, geotechnical, environmental, bridge hydraulic and 60% design services. Amendment 1B is for 100% design, permitting and construction, as noted on the attached Scope & Fee Summary, Exhibit C-2 in the amount of $1,628,700.79, which includes 75,000 in contingency and a completion date of 395 days from the notice to proceed. J.B. Coxwell Contracting, Inc. is committed to meeting the 10% JSEB participation goals established for this contract.

Accordingly, this is to recommend that Amendment 1A to Contract No. 6533-54, originally executed August 31, 2016, between the City and J. B. Coxwell Contracting, Inc. for Jork Road Bridge Replacement be amended to incorporate the attached Scope and Fee Summary, Exhibit C-2 to increase the GMP by $1,628,700.79 to a new GMP amount of $1,792,426.79, known as Amendment 1B.

To be encumbered as follows:

001123	001123	005519	TOTAL:
PWCP Public Works Capital Projects - Other Transportation Services	PWCP Public Works Capital Projects – Rd & St Facilities	PWRS Public Works R-O-W and Stormwater - Rd & St Facilities	
565030	565051	565050	
1	2	1	
32104-381920	32111-384020	10401-338010	
$86,274.00	$292,426.79	$1,250,000.00	$1,628,700.79

RGS/lw

Attachment: Exhibit C-2

cc: Lori West, Engineering and Construction Management
Gary Goldsberry, P.E., Engineering and Construction Management

26

EXHIBIT C-2

J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254
Office (904) 786-1120 Fax (904) 783-2970

July 6, 2020

Gary Goldsberry, P.E.
City of Jacksonville Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, Florida 32202

Re: Scope of Services and Fee Proposal for
Jork Road Bridge Replacement Project
100% Design, Permitting and Construction Services
Design-Build Construction Delivery for City of Jacksonville-RFQ CDB-0049-09
City Contract No. 6533-54

Dear Mr. Goldsberry:

J.B. Coxwell Contracting, Inc. (JBCCI) is pleased to submit for your review and consideration the following design-build scope of services and attached lump sum Guaranteed Maximum Price (GMP) fee proposal for 100% design, permitting and construction of the above referenced project. The scope of work for 100% design, permitting and construction services are as outlined on the attached proposals.

As detailed on the attached documentation, the proposed total lump sum GMP amount for 100% design, permitting and construction of this project is $1,628,700.79 which includes a project contingency of $75,000.00. The project contingency is for project elements which have not been fully designed and permitted, and which may increase in quantity or cost during the final design phase or during construction. The project contingency is for the Design-Builder's benefit and not for changed field conditions, unknown field conditions or added scope of work. JBCCI will obtain approval for the use of the contingency fees from the COJ as required for the stipulated uses listed above. The design, permitting, and construction will be completed within three hundred ninety-five days (395) from notice-to-proceed.

This lump sum GMP amount is inclusive of only those services noted on the attached proposals and which are anticipated at this time. No services or work other than those noted in the proposals are included. In addition, any unknown condition(s) which may surface during design and construction or any other increase in scope of services may result in a request for additional services. No work will proceed however, without first obtaining approval from the City for any additional services.

Gary, we have staff immediately available to begin this work upon your notice-to-proceed. We are again very appreciative of the opportunity to provide you with our design-build services. Should you have any questions or need any further information, please do not hesitate to contact us. We are also available to review and discuss this proposal with you and/or others at your convenience.

Regards,

J.B. Coxwell Contracting, Inc.

Jayson Smith

Jayson Smith,
Design Build Manager

Building Efficiency Together

PROPOSAL

J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254
Ph. (904) 786-1120
Contact: Jayson Smith, Design Build Manager
JaysonS@JBCoxwell.com

7/6/20
Rev. 3

QUOTE City of Jacksonville
TO Department of Public Works

JOB	LOCATION	START DATE
Jork Road Bridge Replacement Project	Jacksonville, Florida	October 2020

ITEM	DESCRIPTION	QUAN	UNIT	UNIT PRICE	EXT PRICE
1	General Conditions	1	LS	$154,407.00	$154,407.00
5	QC Testing	1	LS	$24,150.00	$24,150.00
10	Mobilization	1	LS	$45,180.00	$45,180.00
20	Erosion Control	1	LS	$2,960.00	$2,960.00
30	Maintenance of Traffic	1	LS	$24,980.00	$24,980.00
35	Temporary Fence	1,400	LF	$ 4.20	$5,880.00
40	Site Preparation	1	LS	$29,750.00	$29,750.00
70	Roadway Reconstruction	1	LS	$38,620.00	$38,620.00
	Stabilization LBR 40 12" Thk	544	SY		
	Road Base 6" Thk	522	SY		
	Asphalt Type II 1.25" Thk	478	SY		
	Asphalt Pavement 1.75" Thk	119	SY		
	Asphalt Curb	TBD	LF		
	Miscellaneous Asphalt	10	TN		
130	Guardrail System	1	LS	$35,630.00	$35,630.00
	Guardrail	219	LF		
	Guardrail Flare	3	EA		
	Guardrail Type II End Treatment	1	EA		
160	Striping & Signage	1	LS	$2,950.00	$2,950.00
170	Storm Drain Improvements	1	LS	$17,300.00	$17,300.00
	18" RCP Class III	40	LF		
	Curb Inlet 0'-4' Depth	2	EA		
	Adjust Existing Drainage	1	EA		
190	Concrete Construction Items	1	LS	$38,140.00	$38,140.00
190	Concrete Driveway 6" Thk	39	SY		
200	Approach Slab Concrete - 4500 PSI	42	CY		

ITEM	DESCRIPTION	QUAN	UNIT	UNIT PRICE	EXT PRICE
210	Approach Slab Steel	9,950	LB		
	Concrete Curb & Gutter	TBD	LF		
220	Landscape Restoration (Grassing – Sod & Misc. Shrub)	1	LS	$8,000.00	$8,000.00
230	Exist. Bridge Demolition	1	LS	$56,813.00	$56,813.00
230	Bridge Deck Removal	1	EA		
240	Column, End Bent, Approach Slab Remove for Disposal	2	EA		
250	Bridge Construction	1	LS	$794,619.00	$794,619.00
	Steel Sheet Pile Wall	3,330	SF		
	HP 12 x 84 Steel Pile - 65' Test Pile	130	LF		
	HP 12 x 84 Steel Pile - 65' Pile	390	LF		
	End Bent - Concrete	37	CY		
	End Bent - Steel	11,755	LB		
	Neoprene Pads	12	EA		
	Florida Slab Beams 12" x 53"	208	LF		
	CIP Bridge Deck - 5500 PSI	28	CY		
	Bridge Deck Steel	6,750	LB		
	Deck & Approach Slab Grooving	113	SY		
	Bridge Approach Expansion Joint	54	LF		
	Traffic Rail (Index D427)	152	LF		
	Bridge Name	2	EA		
	Temporary Crane Mats	50	LF		
	Temporary Scaffolding	80	LF		
	Temporary Working Platform and Maintenance for Channel	1	LS		
365	Temporary 8" DIP Water Main	60	LF	$ 230.54	$13,832.40
370	Relocate 8" DIP Utility Crossing	60	LF	$ 271.15	$16,269.00
		CONSTRUCTION SUBTOTAL:			**$1,309,480.40**
DESIGN & PERMITTING SERVICES					
300	JBCCI Pre-Construction Services	1	LS	$4,454.00	$4,454.00
310	Misc. Direct Costs	1	LS	$1,000.00	$1,000.00
320	GAI Consultants Engineering	1	LS	$110,920.00	$110,920.00
		DESIGN & PERMITTING SUBTOTAL:			**$116,374.00**
PROJECT CONTINGENCY					
400	Construction Contingency	1	LS	$75,000.00	$75,000.00
		PROJECT CONTINGENCY SUBTOTAL:			**$75,000.00**
DESIGN BUILD FEES					
500	100% P&P BOND (1%)	1	LS	$14,909.00	$14,909.00
600	Design Build Fee (7.5%)	1	LS	$112,937.39	$112,937.39
		DESIGN BUILD FEES SUBTOTAL:			**$127,846.39**
				PROJECT TOTAL:	**$1,628,700.79**

Clarifications/ Exclusions;

- Estimate is based on GAI's proposal dated 2-23-17, revised 5-29-18. All notes and exclusions contained in the engineering proposal shall be included as part of this proposal.
- Q/C Testing included for roadway per COJ standards. No other Q/C testing included.
- Survey, construction layout, and As-Built Drawings included for JBCCI's scope of work.
- Existing private and public utility locates, identification, protection, isolation, and relocation by others (including but not limited to electric, water, sewer, cable, telephone, misc. communications, traffic signal, street lighting, gas, fiber optic cables, etc.).
- Clearing and grubbing is limited to the specific repair areas only, no other clearing and grubbing is included.
- This estimate excludes unknown subsurface debris removal/ disposal.
- This estimate excludes unsuitable soil removal/ replacement, as we do not anticipate this scope to be required on the project.
- This estimate excludes any work associated with the discovery or handling of hazardous or non-hazardous waste that may be encountered while constructing the drainage improvements on this project.
- This project will require overhead power and other aerial facility relocations prior to the contractor's mobilization for this project. The contractor will coordinate with the utility owners for relocation efforts required prior to construction.
- This project will require an active JEA water main to be adjusted, temporarily relocated, and re-installed on the new bridge. The anticipated costs for the JEA water main work have been included in the estimate.
- Any and all easements, land purchases, or permission to access private property to be handled by the City of Jacksonville. This includes temporary construction easements and permanent easements associated with this project, especially for MOT traffic plan through private property during the reconstruction of the bridge.
- All public notices and informational meetings to be handled by the COJ.
- JBCCI provides this pricing with the assumption that all work will be authorized and performed with one mobilization.
- All mitigation fees that may be required for clearing and or wetland impacts are excluded from this estimate.
- This GMP proposal pricing is valid for 90 days.

EXHIBIT C-2

gai consultants
transforming ideas into reality

February 23, 2017 (Rev. May 29, 2018)

Jayson Smith
Design-Build Manager
J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254

Re: Fee Proposal for 100% Design, Permitting, and Post Design Services for Jork Road Bridge Replacement - Design-Build Construction Delivery for the City of Jacksonville RFQ CDB-0006-16/City Contract No. 6533-54

Dear Mr. Smith:

In accordance with the terms and conditions of our master agreement for professional services dated 06-07-16, **GAI Consultants, Inc., (GAI)**, is providing you with this proposal for the above referenced project.

Under this proposal, GAI will provide the following services:

- Manage the project during the 100% and Final Design.
- Incorporate 60% review comments, including those received from Gary Goldsberry on 04/18/18.
- Finalize and obtain approvals of the design plans per the Requirements and Standards listed in the Design Criteria Package.
- Obtain environmental permits (No permit required letter is anticipated).
- Obtain City 10-set permit.
- Coordinate with Utilities.
- Attend review meetings.
- Provide As-Built assistance to the contractor.
- Post Design Services (Roadway and Bridge)
    - Shop Drawing Review
    - Attend Site Progress Meetings (as needed)
    - Final Walkthrough Attendance and Review of Punch list
    - Review and Answer Contractor RFI's and RFM's

Excluded from 100% / Final Scope of Services

- Construction layout surveying
- Full As-Built Survey
- Utility Design

Our fee for these services is outlined on the attached Fee Spreadsheet Summary. If you have any questions, please do not hesitate to give us a call.

Regards,

GAI CONSULTANTS, INC.

Kevin R. Leadbetter, P.E.
Vice President

Attachments: GAI Fee Summary

Exhibit A - Page 1 of 1
CONTRACT FEE SUMMARY FOR
Jork Road Bridge 100% Design Services

PART I - GENERAL	
1. Project - D/B Construction Delivery for COJ Jork Road Bridge - 100% Design, Permitting, Post Design	2. Project Number CDB-0006-16
3. Name of Consultant GAI Consultants, Inc.	4. Date of Proposal 5/29/2018

PART II - LABOR RELATED COSTS

5. DIRECT LABOR	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 104.30	10	$ 1,043.00	
Project Manager (Responsible Prof.)	$ 84.59	52	$ 4,398.68	
Senior Project Engineer	$ 64.49	160	$ 10,318.40	
Project Engineer	$ 49.14	150	$ 7,371.00	
Engineer Intern	$ 34.38	215	$ 7,391.70	
Senior Designer	$ 37.95	0	$ 0.00	
Designer/Sr. CADD Technician	$ 28.43	90	$ 2,558.70	
CADD Technician	$ 25.14	16	$ 402.24	
Clerical	$ 19.91	20	$ 398.20	
Survey Manager (PSM)	$ 58.62	8	$ 468.96	
Three Man Survey Crew	$ 79.04	16	$ 1,264.64	
			TOTAL DIRECT LABOR	$ 35,615.52
6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 173.68%				$ 61,857.04
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				$ 97,472.56
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 9,747.26
			SUB-TOTAL SALARY RELATED COSTS	$ 107,219.81

PART III - OTHER COSTS

9. MISCELLANEOUS DIRECT COSTS	
Misc. Direct Expenses (Lump Sum)	$ 1,200.00
Geotech Misc. Post Design	$ 2,500.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	$ 3,700.00
10. SUBCONTRACTS (Lump Sum)	
	$ -
	$ -
SUB-CONTRACT SUB-TOTAL	$ -

PART IV - SUMMARY

TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)	$ 110,919.81

EXHIBIT C-2

JORK ROAD BRIDGE REPLACEMENT

FOR

CITY OF JACKSONVILLE

Jacksonville, Florida 32207

Prepared By:

gai consultants

1301 Riverplace Boulevard
Riverplace Tower Suite 900
Jacksonville, FL 32207
ph. 904 363-1110
www.gaiconsultants.com

60% SUBMITTAL

CITY OF JACKSONVILLE NOTES

GENERAL

UTILITY WORK

WORK WITHIN THE RIGHT-OF-WAY

STORMWATER

FIRE MARSHALL

LANDSCAPE

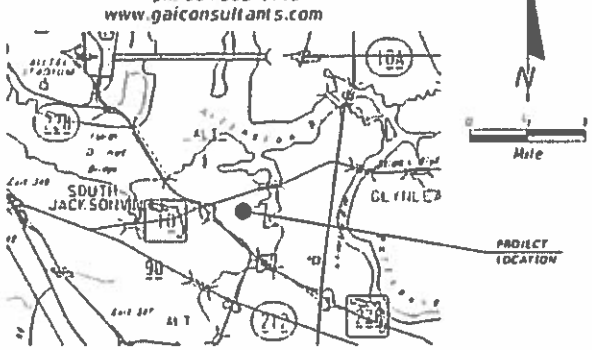
TRAFFIC ENGINEERING

TRAFFIC SIGNS

UTILITY CONTACTS

JEA WATER	[illegible]
JEA ELECTRIC	[illegible]
COMCAST CABLE (WITH EASMENT)	[illegible]
AT&T	[illegible]

DESCRIPTION	DATE



VICINITY MAP

SHEET INDEX

C-1	COVER SHEET
C-2	GENERAL NOTES
C-3	TYPICAL SECTIONS
C-4	DRAINAGE MAP
C-5	DEMOLITION PLANS
C-6	PLAN & PROFILE
C-7	[illegible]
C-8	SIGNING & PAVEMENT MARKING PLAN
C-9	TEMPORARY DETOUR MAP

PLAN APPROVAL

PLAN APPROVAL IS SUBJECT TO THE FOLLOWING NOTES AND CONDITIONS

GENERAL PROJECT INFORMATION

GENERAL	
City Development Number	[illegible]
Concurrency Application Number	
Property Approved Number (PE #)	N/A
Zoning Designation	N/A
FLUM Designation	N/A
[illegible] Community / Area	[illegible]
Road Name (Street or Place)	[illegible]
Road From and To on (Street or Place)	[illegible]
Market Demand Land for Project	[illegible]
JEA Availability Number	
SUBDIVISION	
PUD Name	N/A
City of Public Operation	[illegible]
Public or Private Roads	[illegible]
Submission [illegible] Number	N/A
NON-SUBDIVISION	
North American Industry Classification System (NAICS)	
Impervious Area (Sq Ft)	

REVISIONS

DATE	AS SHOWN
[illegible]	8-16-16
DRAWN	[illegible]
CHECKED	[illegible]
APPROVED	[illegible]

COVER SHEET

JORK ROAD BRIDGE REPLACEMENT
JACKSONVILLE, FLORIDA

gai consultants

PROJECT NO./TASK NO.
0131440.01

SHEET
C-1

EXHIBIT C-2

GENERAL NOTES

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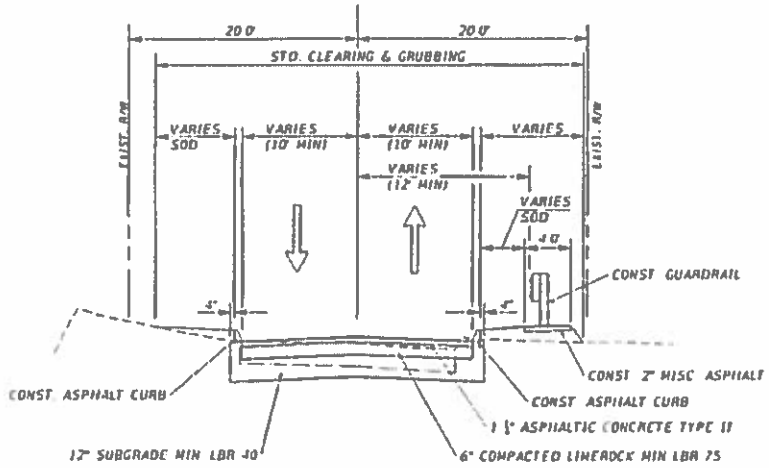
EXHIBIT C-2



TYPICAL SECTION

STA 12+00.00 TO STA 12+88.89
STA 13+64.83 TO STA 14+78.33

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S. THOMPSON, P.E.
P.E. LICENSE NUMBER 80331
GAI CONSULTANTS, INC.
618 E. SOUTH STREET - SUITE 100
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8953

DRAWN BY: AA
CHECKED BY: RJT
DESIGNED BY: RJT
REVIEWED BY: RJT

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

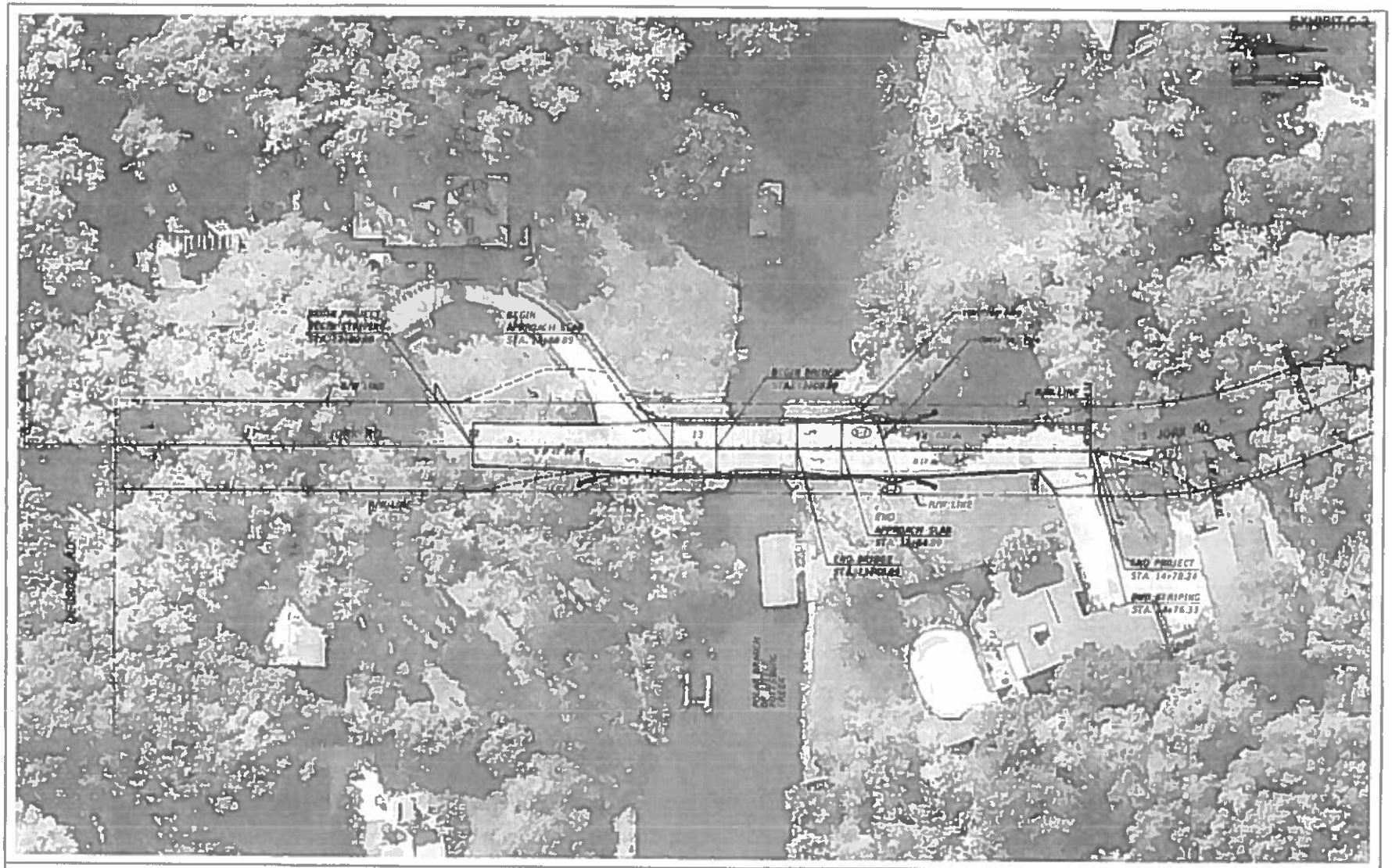
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
JORK	DUVAL	2809/898

TYPICAL SECTION

JORK ROAD OVER LITTLE POTTSBURG CREEK

SHEET NO. C-3

EXHIBIT C-3



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S THOMPSON P.E.
P.E. LICENSE NUMBER 60371
CAI CONSULTANTS, INC
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 9956

DESIGNED BY: AAA
DRAWN BY: AAA
REVIEWED BY: RSE
CHECKED BY: RSE

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROUTE	COUNTY	FINANCIAL PROJECT ID
JORX	DUVAL	209198

DRAWING NO.

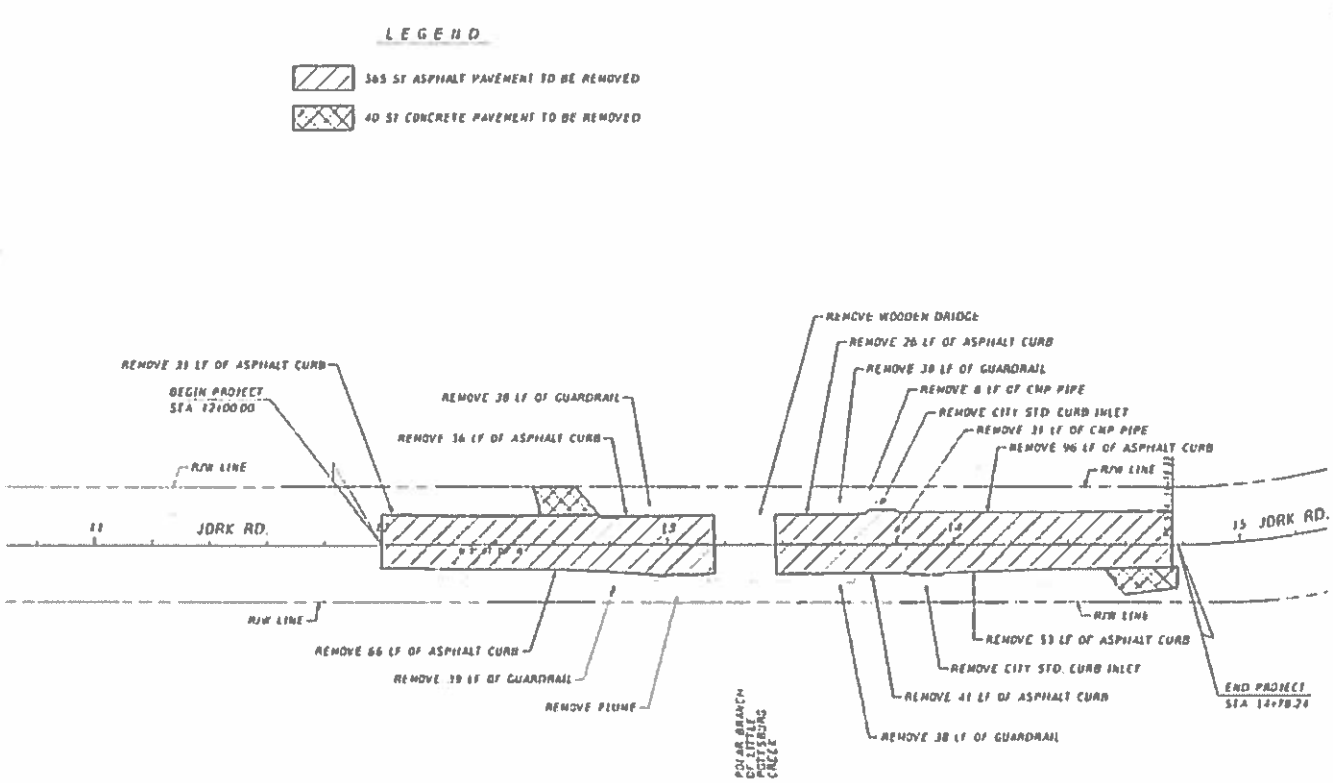
DRAINAGE MAP

DESCRIPTION

JORX ROAD OVER LITTLE POTTSBURG CREEK

SHEET NO. C-4

EXHIBIT C-2



REVISIONS					
DATE	BY	REASON	DATE	BY	REASON

RANDAL S. THOMPSON, P.E.
P.E. LICENSE NUMBER 80321
GAI CONSULTANTS, INC.
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8851

DESIGNED BY RST
DRAWN BY RST
CHECKED BY RST
DATE 01-11-2010

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
JORK	DUVAL	2809/039

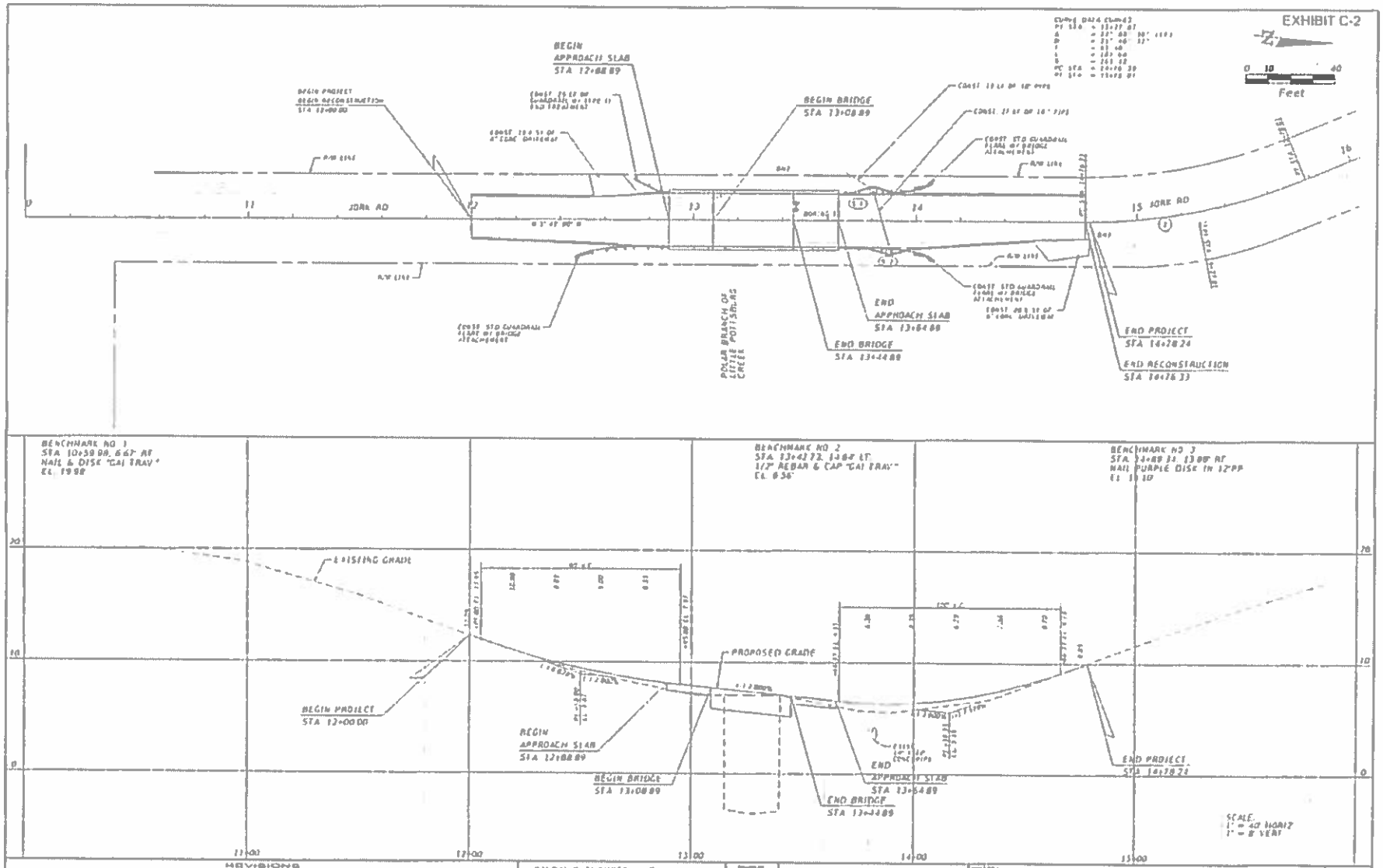
DEMOLITION PLAN

JORK ROAD OVER LITTLE POTTSBURG CREEK

DATE 01-11-2010 6:32:25 PM

C-5

EXHIBIT C-2



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S. THOMPSON, P.E
FL LICENSE NUMBER 80321
CAI CONSULTANTS, INC.
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 9953

DRAWN BY: DES
DESIGNED BY: DJO
REVIEWED BY: DJO
APPROVED BY: DJO

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROADWAY	COUNTY	FEDERAL PROJECT NO.
JORK	DUVAL	2009/899

ROADWAY PLAN AND PROFILE

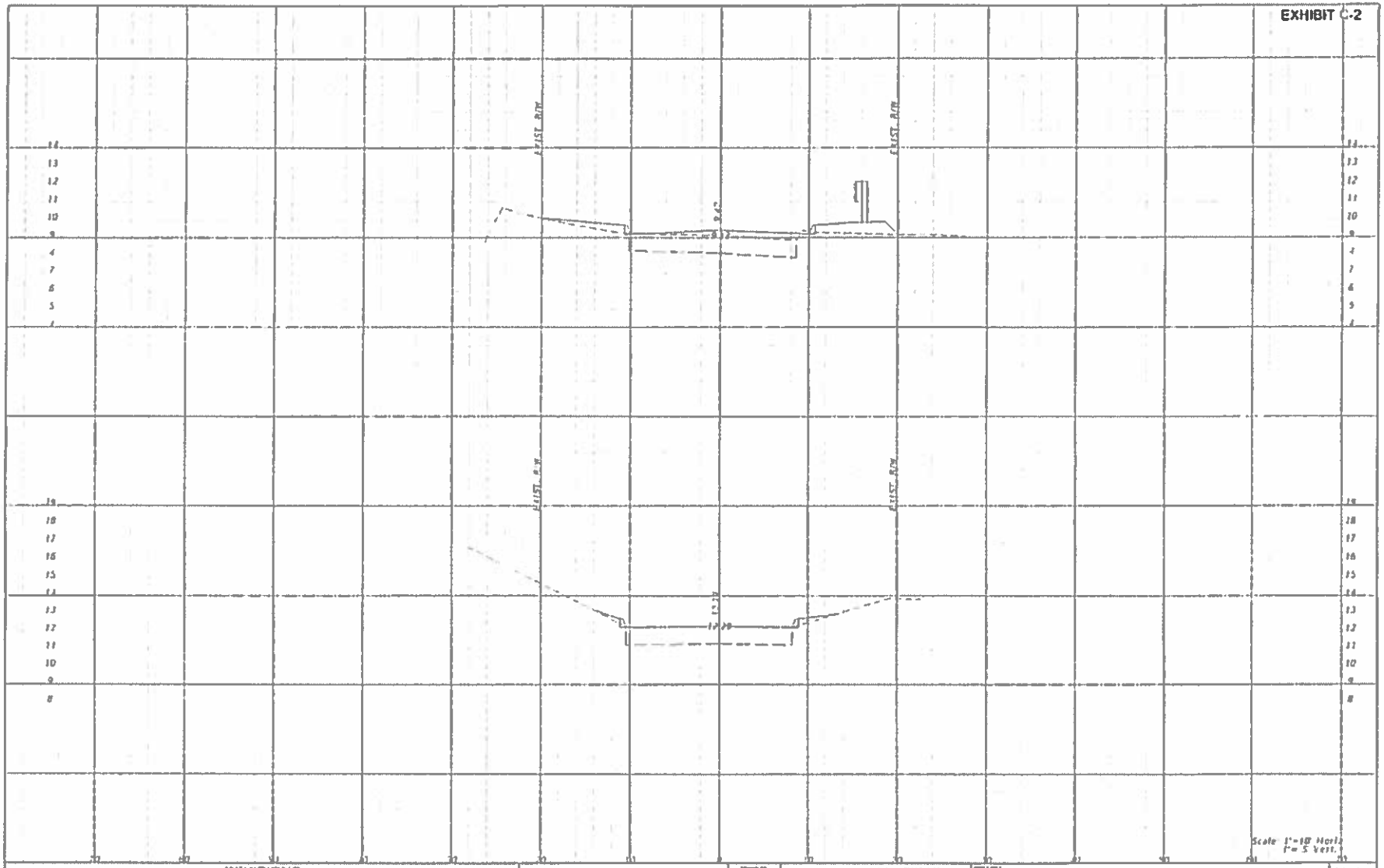
JORK ROAD OVER LITTLE POTTSBURG CREEK

REF DWG NO.

SHEET NO.
C-6

10/4/2010 11:07:01 am

EXHIBIT C-2



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S. THOMPSON, P.E.
P.E. LICENSE NUMBER 60321
GAI CONSULTANTS, INC
618 E. SOUTH STREET - SUITE 100
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8858

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

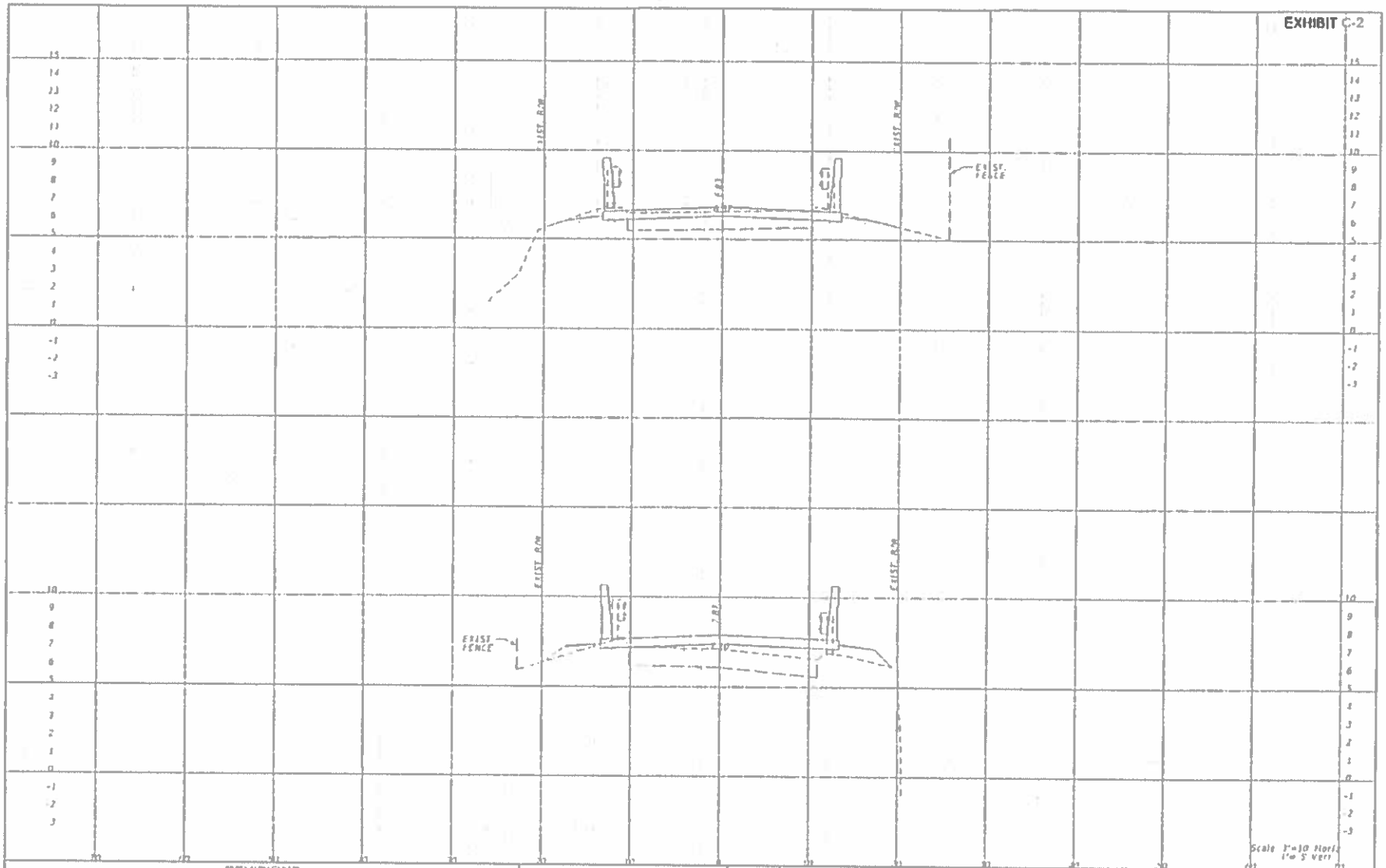
JORK	DUVAL	19091658

CROSS SECTIONS

JORK ROAD OVER LITTLE POTTSBURG CREEK

C-11

EXHIBIT C-2



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S. THOMPSON, P.E.
PE LICENSE NUMBER 80321
GAI CONSULTANTS, INC
618 E. SOUTH STREET - SUITE 100
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8051

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

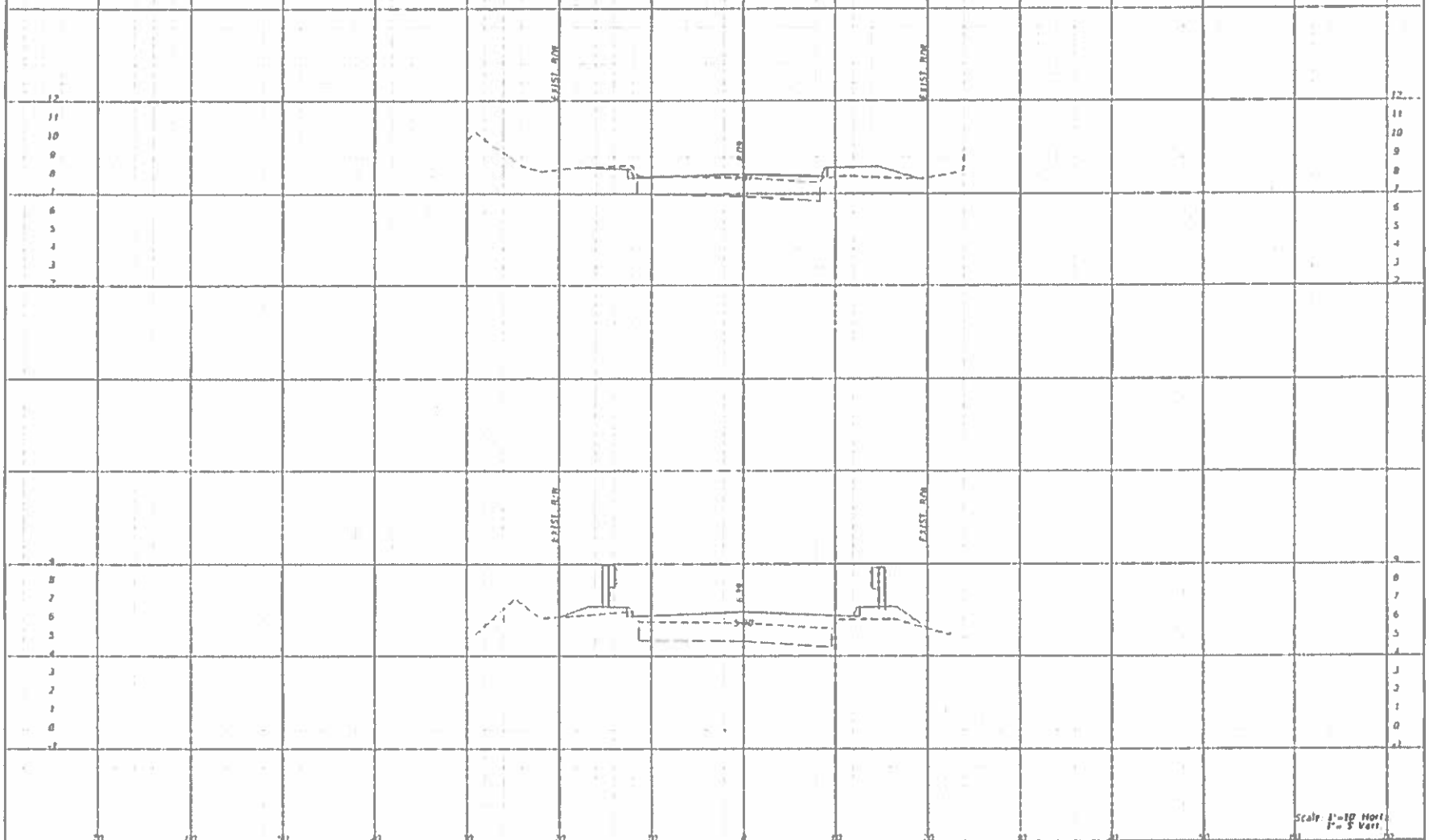
ROADWAY	COUNTY	FEDERAL PROJECT
JORK	DUVAL	2509/098

CROSS SECTIONS

JORK ROAD OVER LITTLE POTTSBURG CREEK

C-12

EXHIBIT C-2



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S. THOMPSON, P.E.
P.E. LICENSE NUMBER 80321
GAI CONSULTANTS, INC
618 E. SOUTH STREET - SUITE 300
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8051

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
JORK	DUVAL	3009/098

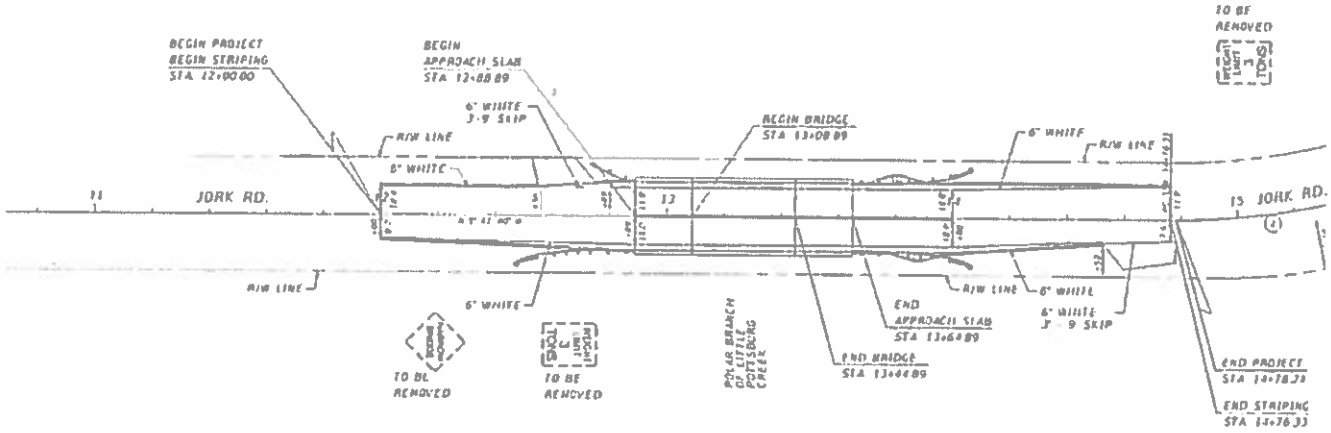
CROSS SECTIONS

JORK ROAD OVER LITTLE POTTSBURG CREEK

C-13

EXHIBIT C-2

6" WHITE	502 LF
6" WHITE 3'-9' SKIP	48 LF
6" YELLOW	553 LF
SIGN REMOVE	3 EA



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S. THOMPSON, P.E.
P.E. LICENSE NUMBER 80321
GAI CONSULTANTS, INC
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 2951

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
JORK	DUVAL	2008/098

SIGNING & PAVEMENT MARKING

JORK ROAD OVER LITTLE POTTSBURG CREEK

C-8

EXHIBIT C-2

TRAFFIC CONTROL NOTES:

1. ALL TRAFFIC CONTROL SHALL ADHERE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE 600 SERIES OF THE FDOT STANDARD INDEX.
2. NOTIFY JACKSONVILLE FIRE AND RESCUE ROAD CLOSURE AT LEAST 7 DAYS IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES.
3. LOCATION OF SIGNS MAY BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS WITH THE ENGINEER'S APPROVAL.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

RANDAL S. THOMPSON, P.E.
P.E. LICENSE NUMBER 60321
GAI CONSULTANTS, INC
618 E. SOUTH STREET SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 9951

DRAWN BY
CHECKED BY
DESIGNED BY
ENGINEER OF RECORD

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

PROJECT	COUNTY	PROJECT NUMBER
JORX	DUVAL	2009/096

TITLE

TEMPORARY DETOUR MAP

JORX ROAD OVER LITTLE POTTSBURG CREEK

SHEET NO.
C-9

CITY CONTRACT NO. 6533-54

EXHIBIT S-2

INDEX OF STRUCTURE PLANS

SHEET NO	SHEET DESCRIPTION
* B-01	KEY SHEET
* B-02	GENERAL NOTES
* B-03	PLAN AND ELEVATION
* B-04	SECTION THROUGH BRIDGE
B-05	BRIDGE HYDRAULIC RECOMMENDATIONS
B-06	REPORT OF CORE BORINGS
* B-07	FOUNDATION LAYOUT
* B-08	END BENT NO. 1
* B-09	END BENT NO. 2
* B-10	END BENT DETAILS (1 OF 2)
B-11	END BENT DETAILS (2 OF 2)
B-12	TYPICAL SECTION THROUGH BRIDGE DECK
B-13	FINISH GRADE ELEVATIONS
* B-14	SUPERSTRUCTURE PLAN
B-15	SUPERSTRUCTURE DETAILS
* B-16	TABLE OF BEAM VARIABLES
B-17	REINFORCING BAR LIST
B-18	SHEET PILE WALL DETAILS

* INCLUDED IN THIS 60% SUBMITTAL FOR BRIDGE NO. 724283

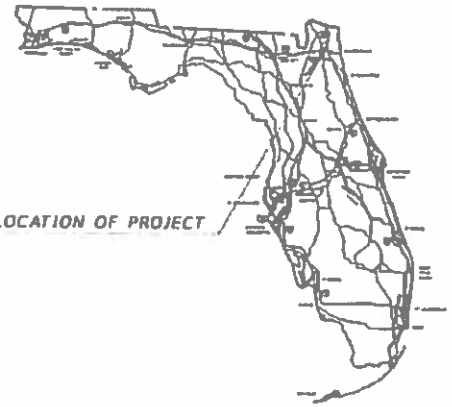
CITY OF JACKSONVILLE
DEPARTMENT OF PUBLIC WORKS

CONTRACT PLANS

CITY CONTRACT NO. 6533-54
JACKSONVILLE, FLORIDA

JORK ROAD OVER LITTLE POTTSBURG CREEK

STRUCTURE PLANS



STRUCTURE SHOP DRAWINGS
TO BE SUBMITTED TO:

GARY J. SPICER JR. P.E
818 E. SOUTH STREET SUITE 300
ORLANDO, FL 32801
PHONE 407-423-8398
FAX 407-883-1070

PLANS PREPARED BY:

gai consultants
CONTRACT NO 6533 54
VENDOR NO 2512809999-001
AUTHORIZATION NO 9951

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION, 2016 DESIGN STANDARDS, REVISED INDEX DRAWINGS AND DEVELOPMENTAL DESIGN STANDARDS, AND 2016 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED BY CONTRACT DOCUMENTS

FOR DESIGN STANDARDS CLICK ON THE YEAR 2016-17 "DSeB" LINK AT THE FOLLOWING WEB SITE:
http://www.fdot.gov/roadway/DesignStandards.htm

FOR THE REVISED INDEX DRAWINGS CLICK ON THE YEAR 2016-17 "DSR" LINK AT THE FOLLOWING WEB SITE:
http://www.fdot.gov/roadway/DesignStandards.htm

FOR DEVELOPMENTAL DESIGN STANDARDS CLICK ON THE YEAR 2016-17 "DDS" LINK AT THE FOLLOWING WEB SITE:
http://www.fdot.gov/roadway/DesignStandards.htm

FOR THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION CLICK ON THE "DOCUMENTS & PUBLICATIONS" LINK AT THE FOLLOWING WEB SITE:
http://www.fdot.gov/structures/DocsandPubs.htm

KEY SHEET REVISIONS	
DATE	DESCRIPTION

STRUCTURE PLANS
ENGINEER OF RECORD GARY J. SPICER JR. P.E

PE NO. 18491

FISCAL YEAR	SHEET NO
16	B-01

CITY OF JACKSONVILLE MANAGER: GARY J. GOLDSBERRY, P.E

EXHIBIT C-2

DESIGN SPECIFICATIONS:

1. FDOT STRUCTURES MANUAL DATED JANUARY 2016 AND SUBSEQUENT DESIGN BULLETINS 16-01, 16-04, 16-05 AND 16-06
2. AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION AND ALL SUBSEQUENT INTERIMS.
3. FDOT PLANS PREPARATION MANUAL DATED JANUARY 2016 AND SUBSEQUENT ROADWAY DESIGN BULLETIN 16-04.

GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION, 2016 DESIGN STANDARDS, REVISED INDEX DRAWINGS AND DEVELOPMENTAL DESIGN STANDARDS AS APPENDED HEREIN, AND 2016 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED BY THE CONTRACT DOCUMENTS.

DESIGN METHODOLOGY:

LOAD AND RESISTANCE FACTOR DESIGN METHOD (LRFD)

DESIGN LOADINGS:

1. LIVE LOAD: DESIGN - HL-93 RATING - HL 93 & FL120
2. REINFORCED CONCRETE 150 PCF
3. TRAFFIC RAILING BARRIERS
   36" SINGLE SLOPE (INDEX D427) - 430 PLF (EACH)
4. EARTHQUAKE LOADS
   EARTHQUAKE PROVISIONS ARE IN ACCORDANCE WITH SECTION 2.3 OF THE FDOT STRUCTURES DESIGN GUIDELINES
5. WIND LOADING.
   WIND LOADS ARE IN ACCORDANCE WITH AASHTO, SECTION 3.8 AND FDOT STRUCTURES DESIGN GUIDELINES, SECTION 2.4
6. FUTURE WEARING SURFACE
   15 PSF
7. UTILITIES
   8" CAST IRON PIPE FILLED WITH WATER - 50 PLF
8. THERMAL DATA

ITEM	MEAN	RISE FROM MEAN	FALL FROM MEAN	RANGE	COEFFICIENT OF THERMAL EXPANSION
CONCRETE ONLY	70° F	35° F	35° F	70° F	0.0000006/°F

VERIFICATION OF EXISTING CONDITIONS:

PLANS HAVE BEEN PREPARED BASED ON THE INFORMATION OBTAINED FROM SITE PLANS AND FIELD SURVEY DATA. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

VERTICAL DATUM:

VERTICAL DATUM USED IS NAVD 88

ENVIRONMENT:

BRIDGE NO.	SUPERSTRUCTURE	SUBSTRUCTURE	
		CONCRETE	STEEL
724282	MODERATELY AGGRESSIVE	EXTREMELY AGGRESSIVE	EXTREMELY AGGRESSIVE (pH>7.0)

BRIDGE DECK FINISH AND SCREEDING:

1. THE RIDING SURFACE OF BRIDGE DECK SLABS SHALL BE SCREEDED TO ACHIEVE THE FINISH GRADE ELEVATIONS SHOWN IN THE PLANS. ACCOUNT FOR THEORETICAL DEFLECTIONS DUE TO SELF WEIGHT, DECK CASTING SEQUENCE, DECK FORMING SYSTEMS, CONSTRUCTION LOADS, OVERLAYS AND TEMPORARY SHORING, ETC. AS REQUIRED.
2. ALL ROADWAY RIDING SURFACES OF BRIDGE DECK SLABS AND APPROACH SLABS SHALL BE FINISHED AND GROOVED IN ACCORDANCE WITH SPECIFICATION 400 15.25

JOINTS IN CONCRETE:

CONSTRUCTION JOINTS WILL BE PERMITTED ONLY AT LOCATIONS INDICATED IN THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE APPROVAL OF THE ENGINEER

TRAFFIC CONTROL PLANS:

SEE ROADWAY PLANS FOR TRAFFIC CONTROL DETAILS AND NOTES

CONCRETE:

1. PROVIDE ¼" CHAMFERS ON ALL EXPOSED EDGES UNLESS NOTED OTHERWISE
2. CONCRETE STRENGTH

CLASS OF CONCRETE	MINIMUM 28 DAY COMPRESSIVE STRENGTH (PSI)	LOCATION OF CONCRETE
II (BRIDGE DECK)	4,500	-APPROACH SLABS
IV	5,500	-C.I.P. TOPPING * -SUBSTRUCTURE
VI	8,500	-PRESTRESSED BEAMS

* PROVIDE SHRINKAGE REDUCING ADMIXTURE FOR C.I.P. TOPPING

3. C.I.P. TOPPING: THOROUGHLY SATURATE THE TOP SURFACE OF THE FLORIDA SLAB BEAMS WITH WATER IN ACCORDANCE WITH SPECIFICATION 400 FOR 12 HOURS IMMEDIATELY PRIOR TO PLACING THE C.I.P. TOPPING. REMOVE STANDING WATER PRIOR TO PLACING THE C.I.P. TOPPING. CURE THE C.I.P. TOPPING IN ACCORDANCE WITH THE SPECIFICATION 400 REQUIREMENTS FOR BRIDGE DECKS
4. CONCRETE COVER

LOCATION	CONCRETE COVER
C.I.P. SUPERSTRUCTURE - INCLUDING TOP OF C.I.P. TOPPING	2"
C.I.P. SUBSTRUCTURE - NOT CAST AGAINST EARTH	4"
C.I.P. SUBSTRUCTURE - CAST AGAINST EARTH OR IN CONTACT WITH WATER	3½"
C.I.P. SUBSTRUCTURE - BEAM/GIRDER PEDESTALS	2"

CONCRETE COVER ON REINFORCING STEEL SHALL BE PER TABLE ABOVE, UNLESS NOTED OTHERWISE. CONCRETE COVER SHOWN IN THE PLANS DOES NOT INCLUDE PLACEMENT AND FABRICATION TOLERANCES UNLESS SHOWN AS "MINIMUM COVER."

REINFORCING STEEL:

1. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60
2. ALL DIMENSIONS PERTAINING TO THE LOCATION OF REINFORCING ARE TO THE CENTERLINE OF BAR EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE

PLAN DIMENSIONS:

ALL DIMENSIONS IN THESE PLANS ARE MEASURED IN FEET EITHER HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED.

UTILITIES:

1. DATA CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATIONS OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. FOR ADDITIONAL INFORMATION, REFER TO ROADWAY PLANS.
2. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN SO THAT UTILITIES ARE NOT IMPACTED OR DISTURBED DURING CONSTRUCTION AND THAT ACTIVE UTILITIES ARE PROPERLY MAINTAINED WITHIN THE CONSTRUCTION LIMITS

BRIDGE NAME AND NUMBER:

PLACE THE FOLLOWING BRIDGE NAME AND NUMBER ON THE TRAFFIC RAILING IN ACCORDANCE WITH THE TRAFFIC RAILING DESIGN STANDARDS

BRIDGE NO	NAME
724282	LITTLE POTTSBURG CREEK

ABBREVIATIONS:

EF = EACH FACE
EJ = EXPANSION JOINT
UNO = UNLESS NOTED OTHERWISE
MHC = MINIMUM HORIZONTAL CLEARANCE
MHW = MEAN HIGH WATER ELEVATION

BRIDGE NO. 724282

REVISIONS					
60% SUBMITTAL NOT FOR CONSTRUCTION					

GARY J. SPICER JR., P.E.
P.E. LICENSE NUMBER 70491
GAI CONSULTANTS, INC
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 9951

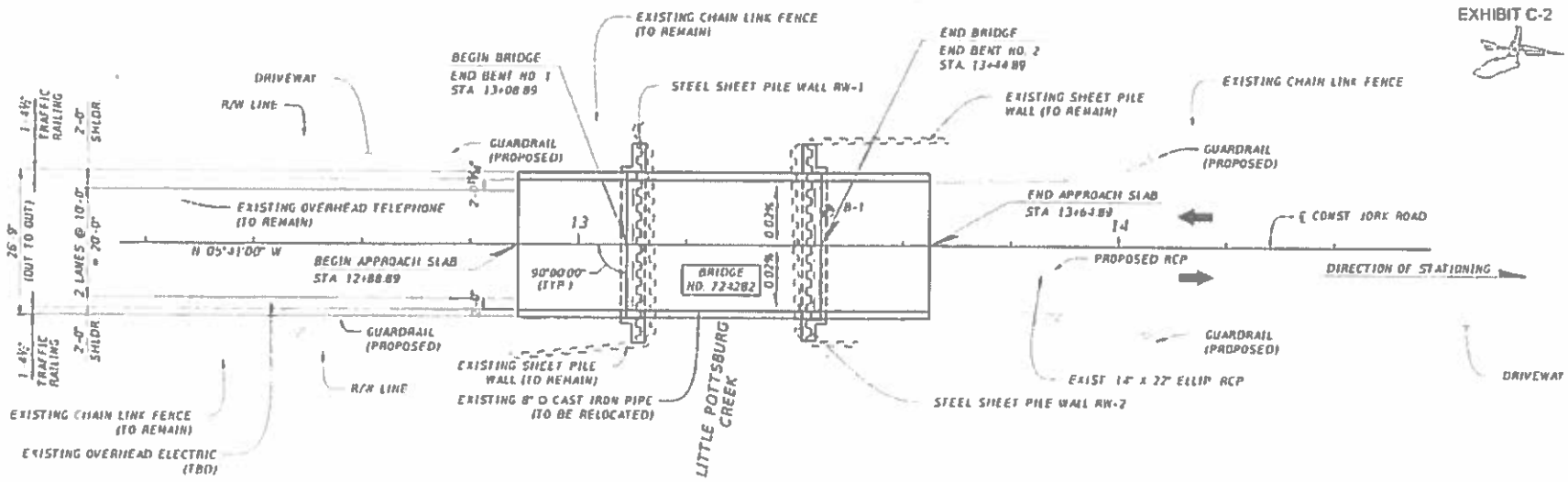
DESIGNED BY KCI	CITY OF JACKSONVILLE PUBLIC WORKS DEPARTMENT	
DRAWN BY GJS		
CHECKED BY GJS		
REVIEWED BY MEJ	JCRB	DUVAL	2003/000

GENERAL NOTES

JORK ROAD OVER LITTLE POTTSBURG CREEK

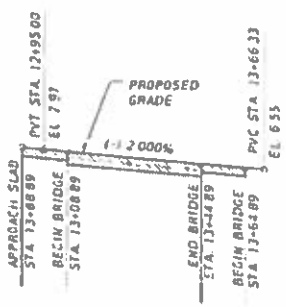
SHEET NO. B.02

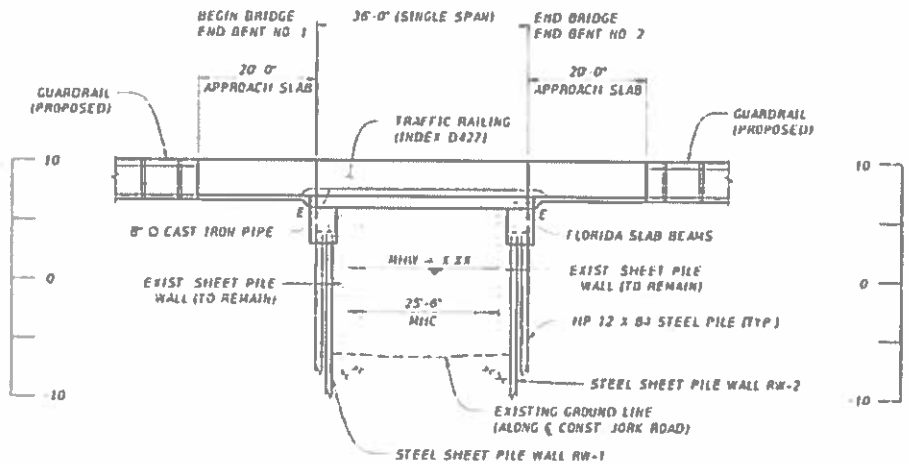
EXHIBIT C-2



PLAN

VERICAL PROFILE DATA:





ELEVATION
(2 VERT. : 1 HORIZ.)

LEGEND:

- APPROXIMATE BORING LOCATION
- EXISTING TIMBER BRIDGE TO BE REMOVED
- E EXPANSION BEARING

NOTES:

1. FOR WALL LIMITS AND DETAILS, SEE SHEET B-18

BRIDGE NO. 724282

60% SUBMITTAL
NOT FOR CONSTRUCTION

GARY J. SPICER JR., P.E.
P.E. LICENSE NUMBER 70191
GAI CONSULTANTS, INC.
618 E. SOUTH STREET SUITE 100
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 0051

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

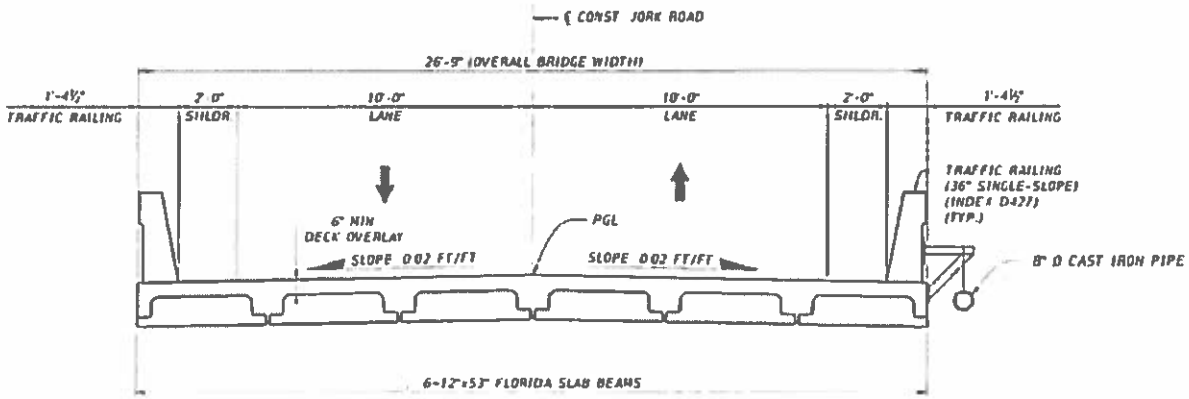
10RR	DUVAL	2009/098

PLAN AND ELEVATION

JORK ROAD OVER LITTLE POTTSBURG CREEK

B 03

EXHIBIT C-2

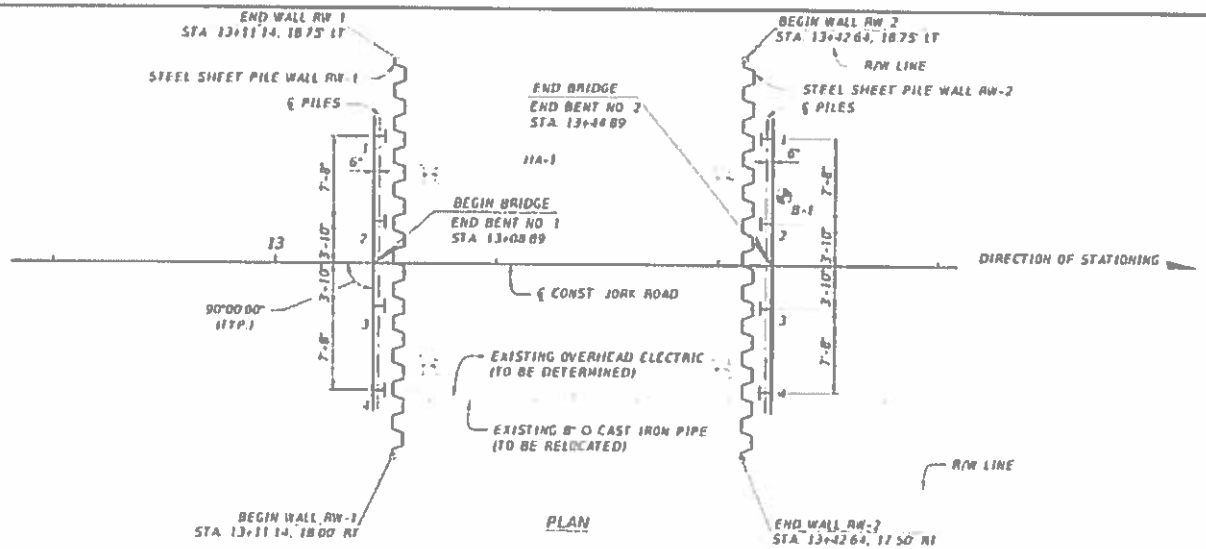


TYPICAL SECTION

BRIDGE NO. 724282

REVISIONS				
60% SUBMITTAL NOT FOR CONSTRUCTION	GARY J. SPICER JR., P.E. P.E. LICENSE NUMBER 70481 GAI CONSULTANTS, INC. 618 E. SOUTH STREET - SUITE 700 ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 9951	DESIGNED JCL DRAWN GLS CHECKED GLS APPROVED HEI	CITY OF JACKSONVILLE PUBLIC WORKS DEPARTMENT ROAD: JORK COUNTY: DUVAL FINANCIAL PROJECT ID: 2009/099	SECTION THROUGH BRIDGE JORK ROAD OVER LITTLE POTTSBURG CREEK

EXHIBIT C-2



PILE DATA TABLE

Table Date 01/07/16

PIER or BENT NUMBER	PILE SIZE (in)	NOMINAL BEARING RESISTANCE (tons)	NOMINAL UPLIFT RESISTANCE (tons)	MINIMUM TIP ELEVATION (ft.)	TEST PILE LENGTH (ft.)	REQUIRED JET ELEVATION (ft.)	REQUIRED PREFORM ELEVATION (ft.)	FACTORED DESIGN LOAD (tons)	FACTORED DESIGN UPLIFT LOAD (tons)	DOWN DRAG (tons)	TOTAL SCOUR RESISTANCE (tons)	NET SCOUR RESISTANCE (tons)	100-YEAR SCOUR ELEVATION (ft.)	Ø COMPRESSION	Ø UPLIFT	PILE 1	PILE 2	PILE 3	PILE 4
	INSTALLATION CRITERIA							DESIGN CRITERIA								PILE CUT-OFF ELEVATIONS			
END BENT NO. 1	HP 12X84	131	N/A	*	65	N/A	N/A	85	N/A	0	TBD	TBD	TBD	0.65	N/A				
END BENT NO. 2	HP 12X84	131	N/A	*	65	N/A	N/A	85	N/A	0	TBD	TBD	TBD	0.65	N/A				

FACTORED DESIGN LOAD + NET SCOUR RESISTANCE + DOWN DRAG / Ø ≤ NOMINAL BEARING RESISTANCE

UPLIFT RESISTANCE - THE ULTIMATE SIDE FRICTION CAPACITY THAT MUST BE OBTAINED BELOW THE 100 YEAR SCOUR ELEVATION TO RESIST PULLOUT OF THE PILE

TOTAL SCOUR RESISTANCE - AN ESTIMATE OF THE ULTIMATE STATIC SIDE FRICTION RESISTANCE PROVIDED BY THE SCOURABLE SOIL.

NET SCOUR RESISTANCE - AN ESTIMATE OF THE ULTIMATE STATIC SIDE FRICTION RESISTANCE PROVIDED BY THE SOIL FROM THE REQUIRED PREFORMED OR JETTING ELEVATION TO THE SCOUR ELEVATION.

100-YEAR SCOUR ELEVATION - ESTIMATED ELEVATION OF SCOUR DUE TO THE 100 YEAR STORM EVENT

CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO ANY PILE INSTALLATION ACTIVITIES

MINIMUM TIP ELEVATION IS REQUIRED FOR LATERAL STABILITY

PILE INSTALLATION NOTES (Notes Date 7-01-13):

NO JETTING WILL BE ALLOWED WITHOUT THE APPROVAL OF THE ENGINEER

AT EACH BENT, PILE DRIVING IS TO COMMENCE AT THE CENTER OF THE BENT AND PROCEED OUTWARD

* MINIMUM TIP ELEVATION IS GOVERNED BY MINIMUM PENETRATION REQUIREMENTS OF SPECIFICATION 455-5-8

NOTES:

1. STEEL H-PILES FOR BRIDGE FOUNDATIONS SHALL BE ASTM A572 (GRADE 50) UNLESS NOTED OTHERWISE

LEGEND:

- H STEEL PILE HP 12" x 84"
- APPROXIMATE BORING LOCATION
- STEEL SHEET PILE WALL
- ** EXISTING STEEL H-PILES ENCASED IN CONCRETE

BRIDGE NO. 724282

REVISIONS

60% SUBMITTAL
NOT FOR CONSTRUCTION

GARY J. SPICER JR., P.E.
P.E. LICENSE NUMBER 70491
GAI CONSULTANTS, INC
618 E. SOUTH STREET SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8951

DESIGNED KCL
CHECKED GJS
DRAWN GJS
CHECKED MEJ

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

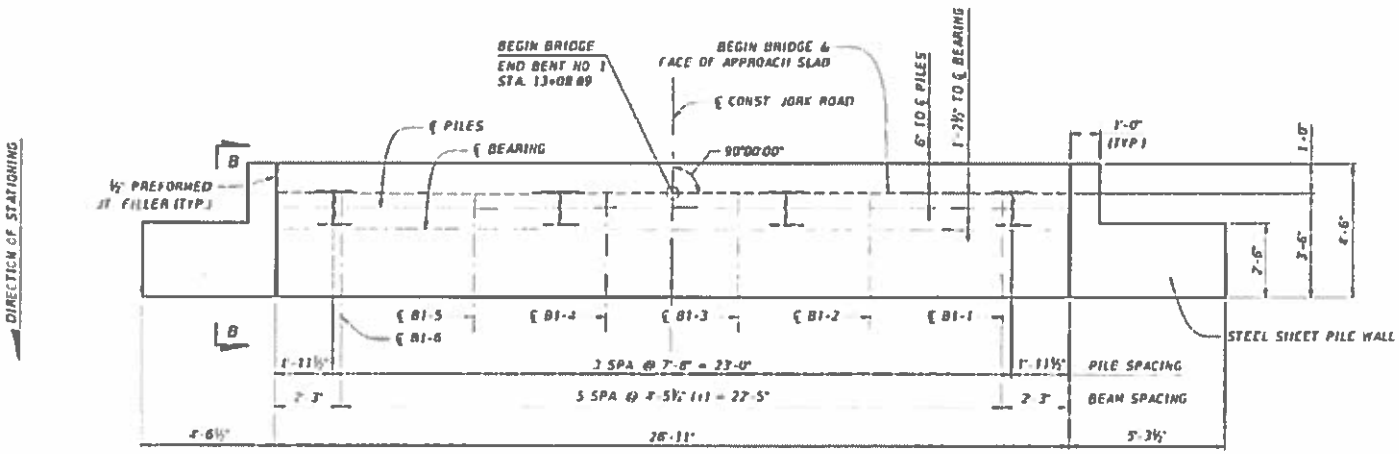
JORK | DUVAL | 7089/098

FOUNDATION LAYOUT

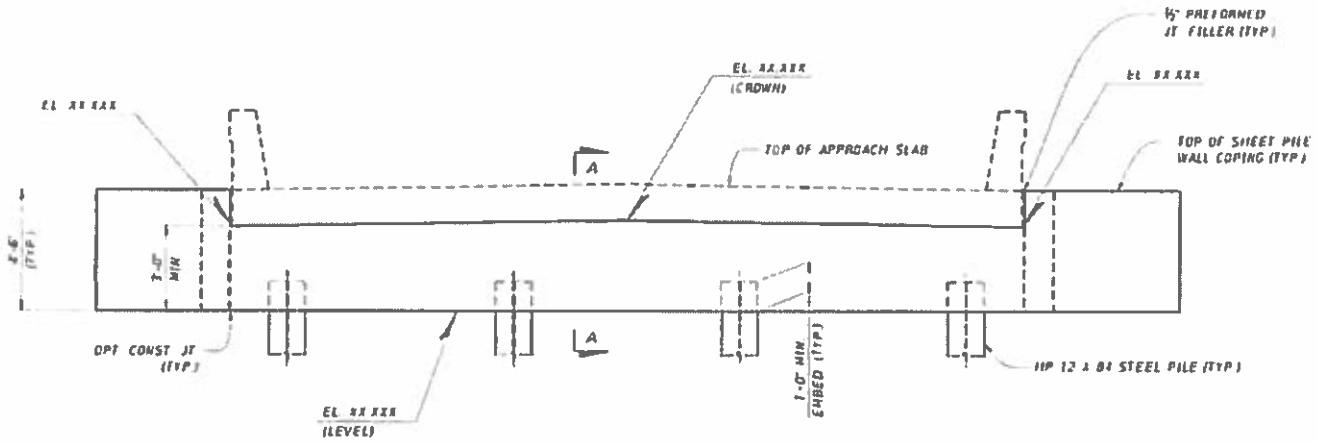
JORK ROAD OVER LITTLE POTTSBURG CREEK

SHEET 8 OF 87

EXHIBIT C-2



PLAN



NOTES:

1. FOR PILE LOADS AND CUT OFF ELEVATIONS SEE SHEET B1-07
2. FOR SECTION A-A AND VIEW B-B SEE SHEET B1-10

ELEVATION

(SHEET PILE WALL NOT SHOWN FOR CLARITY)

BRIDGE NO. 724282

REVISIONS					
60% SUBMITTAL NOT FOR CONSTRUCTION					

GARY J. SPICER JR., P.E.
P.E. LICENSE NUMBER 70491
GAI CONSULTANTS, INC.
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 9951

DESIGNED BY JCL
DRAWN BY GJS
CHECKED BY GJS
REVIEWED BY HEI

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

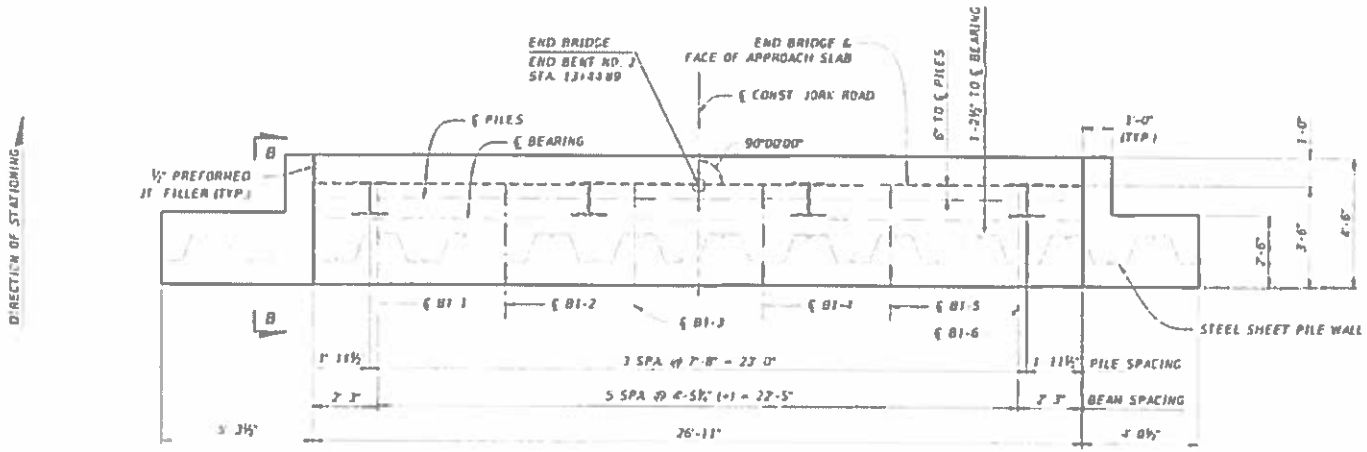
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
JORK	DUVAL	2003/098

PROJECT: END BENT NO. 1

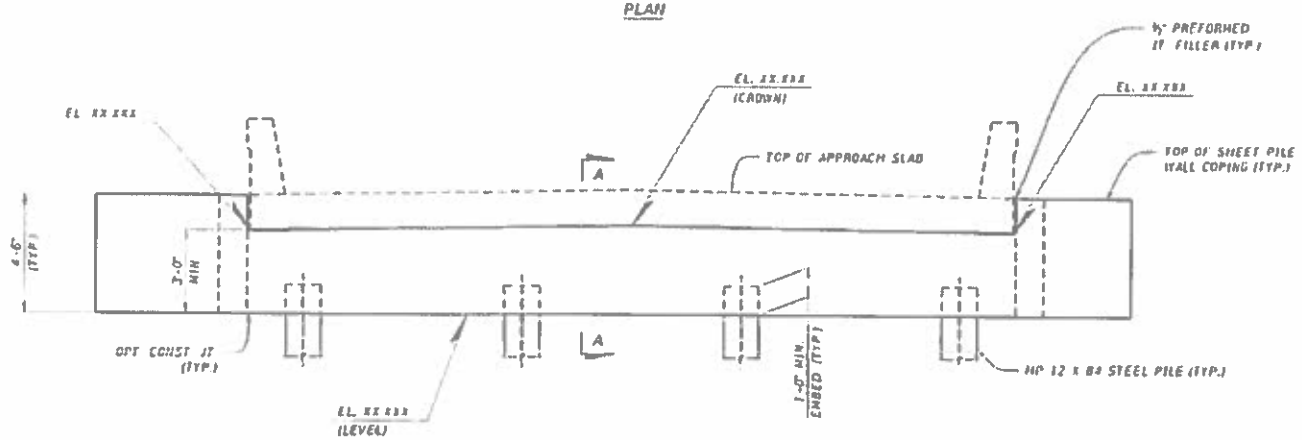
PROJECT DESC: JORK ROAD OVER LITTLE POTTSBURG CREEK

SHEET NO. B-08

EXHIBIT C-2



PLAN



NOTES:

1. FOR PILE LOADS AND CUT OFF ELEVATIONS SEE SHEET B1-07
2. FOR SECTION A-A AND VIEW B-B SEE SHEET B1-10.

ELEVATION
(SHEET PILE WALL NOT SHOWN FOR CLARITY)

BRIDGE NO. 724282

REVISIONS					
60% SUBMITTAL NOT FOR CONSTRUCTION					

GARY J. SPICER JR. PE
PE LICENSE NUMBER 70491
GAI CONSULTANTS, INC
618 E. SOUTH STREET SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 9953

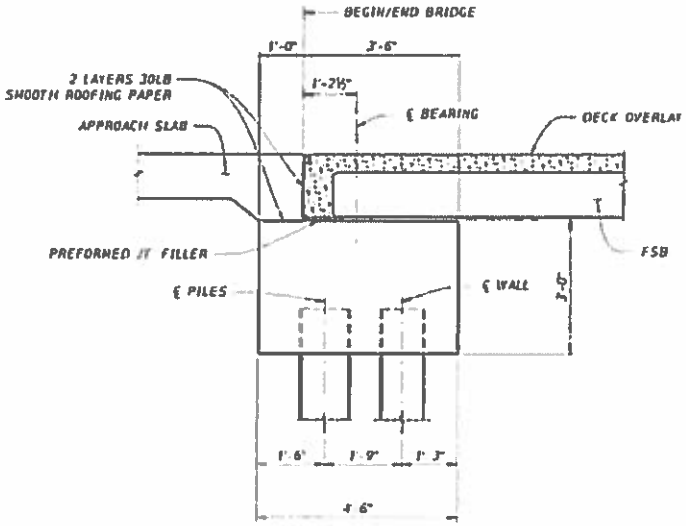
CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

END BENT NO. 2

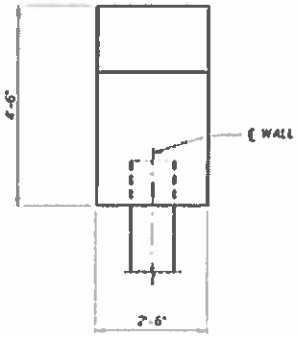
JOAK ROAD OVER LITTLE POTTSBURG CREEK

B1-09

EXHIBIT C-2



SECTION A-A



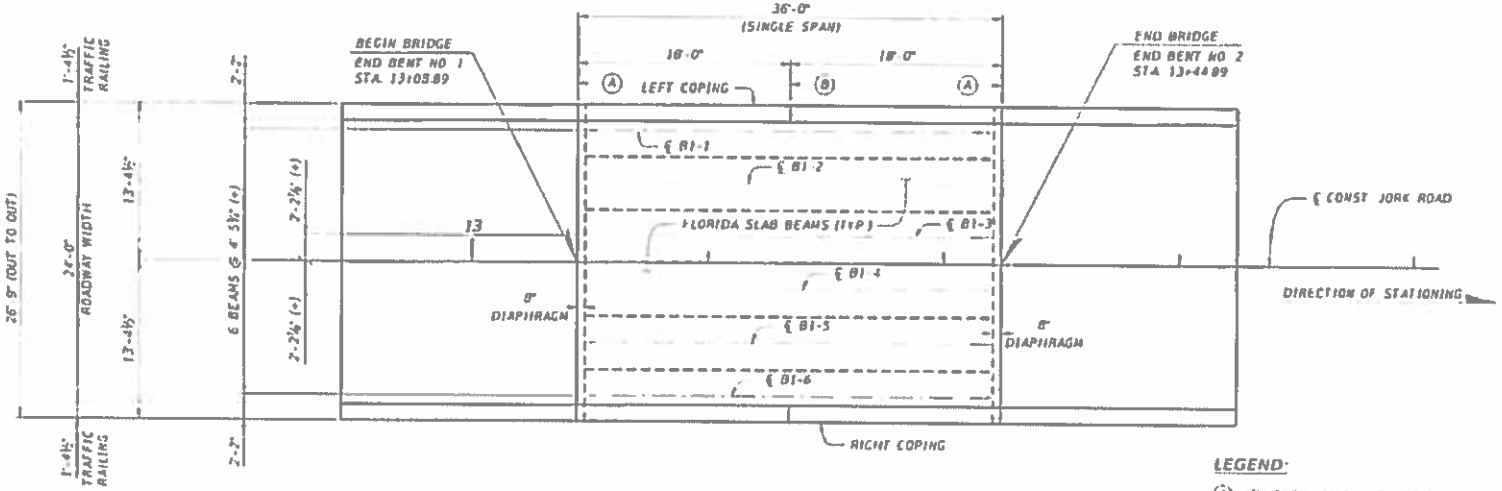
SECTION B-B

NOTES:

BRIDGE NO. 724282

60% SUBMITTAL NOT FOR CONSTRUCTION	GARY J. SPICER JR., P.E. P.E. LICENSE NUMBER 70491 GAI CONSULTANTS, INC 618 E. SOUTH STREET - SUITE 700 ORLANDO, FL 32801 CERTIFICATE OF AUTHORIZATION 8951	JCL / GJS / GJS / HEI	CITY OF JACKSONVILLE PUBLIC WORKS DEPARTMENT	END BENT DETAILS (1 OF 2)	
			IORK / DUVAL / 2003/098	IORK ROAD OVER LITTLE POTTSBURG CREEK	B 10

EXHIBIT C-2



PLAN

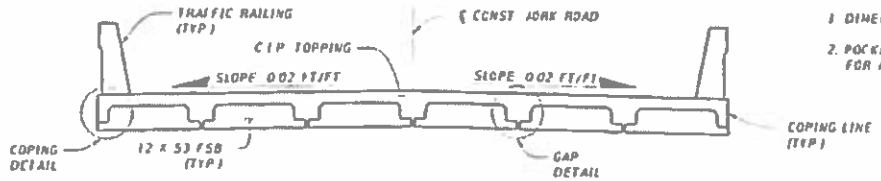
LEGEND:

(A) 1½" OPEN JOINT IN TRAFFIC RAILING

(B) ℄ ½" V-GROOVE IN BOTH FACES & TOP OF TRAFFIC RAILING

NOTES:

1. DIMENSIONS ALONG COPINGS ARE SHOWN TO BEGIN/END BRIDGE
2. POCKET REINFORCING NOT SHOWN IN PLAN FOR CLARITY FOR ADDITIONAL INFORMATION, SEE SHEET B1-XX



SECTION THROUGH FSB SUPERSTRUCTURE

COPING DETAIL

GAP DETAIL

BRIDGE NO. 724282

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

60% SUBMITTAL
NOT FOR CONSTRUCTION

GARY J. SPICER JR., P.E.
P.E. LICENSE NUMBER 78491
GAI CONSULTANTS, INC.
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8951

DRAWN BY JCL
CHECKED BY GJS
DESIGNED BY GJS
CHECKED BY HET

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

COUNTY	FINANCIAL PROJECT ID
DUVAL	2009/898

SUPERSTRUCTURE PLAN

JORK ROAD OVER LITTLE POTTSBURG CREEK

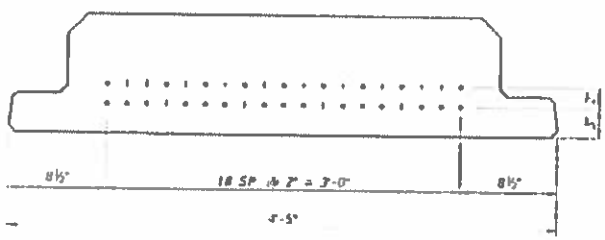
SHEET B 14

EXHIBIT C-2

FLORIDA SLAB BEAM - TABLE OF VARIABLES

LOCATION		BEAM TYPE	CONCRETE PROPERTIES			STND PTRN.	PLAN VIEW CASE		ANGLE θ		BEAM DIMENSIONS*			REINFORCING STEEL																
				STRENGTHS (psi)										3C		4D1	4D2	4D3		5E1		5E2		6Y1	6Y2	4K	NO. OF BAR SPACES		BAR SPACING*	
SPAN NO.	BEAM NO.		CLASS	28 Day	Release	TYPE	END 1	END 2	END 1	END 2	DIM W	DIM L	DIM R	NO	DIM C	DIM D	DIM D	NO.	DIM D	NO	DIM E	NO	DIM E	DIM Y	DIM Y	NO.	S1	S2	V1	V2
1	1 0	12 x 53	V1	8,500	6,000	1			90°	90°	4' 5"																			

NOTE WORK THIS SHEET WITH DEVELOPMENTAL DESIGN STANDARD INDEXES D20450 THROUGH D20453



TYPE (1) 24 STRANDS

STRAND DEBONDING LEGEND

• = FULLY BONDED STRANDS

STRAND DESCRIPTION USE 0.6" DIAMETER, GRADE 270, LOW RELAXATION CARBON STEEL STRANDS STRESSED AT 44 KIPS EACH. AREA PER STRAND EQUALS 0.217 SQ. IN.

STRAND PATTERNS

DIMENSION NOTES

* ALL LONGITUDINAL BEAM DIMENSIONS SHOWN ON THIS SHEET WITH A SINGLE ASTERISK (*) ARE MEASURED ALONG THE TOP OF BEAM AT THE CENTERLINE. DIMENSION "H" IS CALCULATED AT MID-HEIGHT OF THE BEAM.

BRIDGE NO. 724282

REVISIONS

60% SUBMITTAL
NOT FOR CONSTRUCTION

GARY J. SPICER JR., P.E.
P.E. LICENSE NUMBER 78491
GAI CONSULTANTS, INC
618 E. SOUTH STREET - SUITE 700
ORLANDO, FL 32801
CERTIFICATE OF AUTHORIZATION 8958

DESIGNED JCL
DRAWN GJS
CHECKED GJS
REVIEWED MKI

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

CODE NO.	SHEET	PROJECT NO.
10AK	0IVAL	2001/098

TABLE OF BEAM VARIABLES

YORK ROAD OVER LITTLE POTTSBURG CREEK

SHEET NO. 8 16

SUBJECT: **RFQ FOR DESIGN-BUILD SVCS FOR HORIZONTAL/CIVIL ENGINEERING PROJECTS**

BID # **CDB-0006-16**

OPEN DATE: **10/21/2015**

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: **DEPARTMENT OF PUBLIC WORKS**

BASIS OF AWARD: **QUALIFICATIONS BASED**

NUMBER OF BIDS INVITED: - NUMBER RECEIVED: - OTHER: -

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The Department of Public Works has completed negotiations with J.B. Coxwell Contracting, Inc., for the Jork Road Bridge Replacement Project in accordance with subject bid.

Recommend approval of award to J. B. Coxwell Contracting, Inc., in the amount of $163,726.00 for 60% design as detailed respectively in Exhibit "C". Upon approval, a lump sum Guaranteed Maximum Price and Completion Days will be submitted at a later date for consideration.

Funding for this project to be executed by Amendment 1A for contract # 6533-54 and encumbered by account: PWCP327RD549-069505-PW0372-02

Attachments: Recommendation Memo, Exhibit "A", Previous Award

BUYER _____ for – MARILYN LAIDLER

RESPECTFULLY SUBMITTED _____
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: **Tom Fallin, P.E., Chief-Engineering & Construction Management Division**

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 7-7-16

_____ _____ OTHER _____

Teresa R. Eichler _____

_____ _____

James R. McCall _____

Daniel Ortiz _____

ACTION OF AWARDING AUTHORITY DATE 7/07/16

MR APPROVED ✓ DISAPPROVED: _____

OTHER: _____

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of:
Executive Order No. 2015-05

SIGNATURE OF AUTHENTICATION _____

SUBJECT: RFQ- FOR DESIGN- BUILD SERVICES OF HORIZONTAL/CIVIL ENGINEERING PROJECTS

BID # CDB-0006-16

OPEN DATE: 10/21/2015

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: DEPARTMENT OF PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 5 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Subsequently, presentations were conducted and evaluated on January 28, 2016; 02/04/16 J.B. Coxwell Contracting, Inc., was awarded as highest ranking firm with funding not-to-exceed $6,000,000.00 annually for a period of service for five (5) years.

Recommend approval of award to include the rate sheets as part of Exhibit A, as they were omitted from original award. No additional changes needed.

To be executed by formal contract through Office of General Counsel.

Attachments: Recommendation Memo, Previous Award(s)

BUYER MARILYN LAIDLER

RESPECTFULLY SUBMITTED GREGORY PEASE, CHIEF PROCUREMENT DIVISION

CONCURRENCE BY: Thomas N. Fallin, P.E., Chief, Engineering & Construction Management Division

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 6-16-16

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 6/16/16

APPROVED ✓ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of
Executive Order No. 2015-05

SUBJECT: RFQ- FOR DESIGN- BUILD SERVICES OF HORIZONTAL/CIVIL ENGINEERING PROJECTS

BID # CDB-0006-16

OPEN DATE: 10/21/2015

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: DEPARTMENT OF PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 5 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Subsequently, presentations were conducted and evaluated on January 28, 2016. Based upon the combination of proposal and presentation evaluations, scores and rankings are as follows (Listed in alphabetical order):

2) Archer-Western – 118.25
3) Callaway Contracting, Inc. - 100
1) J.B. Coxwell Contracting, Inc. - 121.5

Recommend approval of award to J.B. Coxwell Contracting, Inc., as receiving the highest score in accordance with the evaluation and ranking above. Period of Service will be five (5) years from effective date of contract with funding not-to-exceed $6,000,000.00 annually. To be executed by formal contract through Office of General Counsel.

Attachments: Recommendation Memo, Scoring Matrix, Previous Award

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED
GREGORY REASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: Thomas N. Fallin, P.E., Acting Chief-Engineering & Construction Management Division

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 2/4/16

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 2/04/16

MR APPROVED ✓ DISAPPROVED: _____

OTHER: _____

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of
Executive Order No. 2015-05

SIGNATURE OF AUTHENTICATION Sam E. Mousa

SUBJECT: RFQ- FOR DESIGN- BUILD SERVICES OF HORIZONTAL/CIVIL ENGINEERING PROJECTS

BID # CDB-0006-16

OPEN DATE: 10/21/2015

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: DEPARTMENT OF PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 5 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Based upon the proposal evaluation, the average scores and rankings are as follows (Listed in alphabetical order):

2) Archer-Western Contractors, LLC. – 91
1) J.B. Coxwell Contracting- 92
3) Callaway Contracting- 74

Pursuant to Section 2.6 – Award of Contract of the RFP, recommend approval to conduct formal interviews with each of the three-top ranked Firms.

Attachments: Recommendation Memo, Scoring Matrix, Bid Tabulation, Section 2.6, JSEB Letter

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: William J. Joyce, P.E., Chief-Engineering & Construction Management

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 12-30-15

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 1/01/16

APPROVED ✓ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of:
Executive Order No. 2015-05