

RESOLUTION NO. 15-292

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF KEY WEST, FLORIDA, AWARDED CONTRACTS ON A WORK ORDER BASIS TO TWO BIDDERS IN RESPONSE TO INVITATION TO BID (ITB) NO. 15-021 FOR GENERAL UTILITIES SERVICES; AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE CONTRACTS UPON ADVICE OF THE CITY ATTORNEY; PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the City issued an Invitation to Bid for firms capable of providing general utilities construction-related services; and

WHEREAS, two firms submitted responses on September 2, 2015, and city staff reviewed the responses, and determined both firms to be qualified, and recommended that the City engage each one on a Work Order basis;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF KEY WEST, FLORIDA, AS FOLLOWS:

Section 1: That an award of contract, based upon the responses to ITB #15-021 for general utilities services submitted by DN Higgins, Inc. and Charley Toppino & Sons, Inc. is each hereby approved.

Section 2: That the City Manager is hereby authorized to negotiate and execute contracts with each of the companies in substantial conformance with the bid documents, upon advice and consent of the City Attorney, for a term of three (3) years, with an extension of up to two years.

Section 3: Specific work orders issued pursuant to the contracts shall comply with the City's procurement guidelines.

Section 4: That this Resolution shall go into effect immediately upon its passage and adoption and authentication by the signature of the Presiding Officer and the Clerk of the Commission.

Passed and adopted by the City Commission at a meeting held
this 7th day of October, 2015.

Authenticated by the Presiding Officer and Clerk of the
Commission on 8th day of October, 2015.

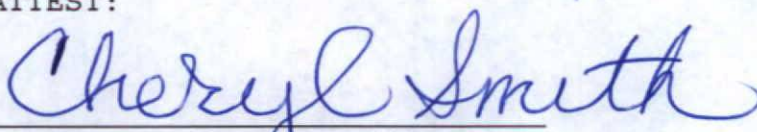
Filed with the Clerk on October 8, 2015.

Mayor Craig Cates	<u>Yes</u>
Vice Mayor Mark Rossi	<u>Yes</u>
Commissioner Teri Johnston	<u>Yes</u>
Commissioner Clayton Lopez	<u>Yes</u>
Commissioner Billy Wardlow	<u>Absent</u>
Commissioner Jimmy Weekley	<u>Yes</u>
Commissioner Tony Yaniz	<u>Yes</u>



CRAIG CATES, MAYOR

ATTEST:



CHERYL SMITH, CITY CLERK



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

MEMORANDUM

EXECUTIVE SUMMARY

Date: September 10, 2015
To: Jim Scholl, City Manager
From: Janet Muccino, Project Manager
Subject: Approving the award of the General Utilities Services Contract (ITB # 15-021) to DN Higgins, Inc. and Charley Toppino & Sons, Inc.

Action Statement

This Resolution would approve awarding two 3- year contracts to DN Higgins, Inc. and Charley Toppino & Sons, Inc. to provide general utilities construction-related services to the City of Key West on a unit cost, as requested basis.

Background

General Utilities Services Contracts (GUSC) has been utilized by the City of Key West since 1992 for the purpose of general installation, repair and replacement of storm and sanitary sewer systems, sidewalks and other miscellaneous municipal work. As the City establishes locations and scopes of work where repairs are necessary, project specific purchase orders are issued. The current GUSC expires December 1, 2015.

The GUSC is a competitively bid, 3-year unit cost contract. Bid prices remain in effect for a period of twelve months from contract execution. The contract provides for yearly unit price increases based on the most current Consumer Price Index (CPI-U US chart).

In response to Invitation to Bid (ITB) # 15-021 issued by the City in July 2015,

Key to the Caribbean – Average yearly temperature 77° F.

two bids were received on September 2, 2015. Bids from both DN Higgins, Inc. (DNH) and Charley Toppino & Sons, Inc. (CTS) were reviewed by staff and deemed responsive. The bid tabulation and comparison matrix are attached.

Purpose and Justification

The current GUSC held by DNH expires on December 1, 2015. A new agreement is required to facilitate timely response to emergency repairs, American's with Disability Act (ADA) compliance requirements (e.g., sidewalks) and other time-sensitive projects as identified by staff.

The improvement and maintenance of City infrastructure is critical to meeting the current and future needs of the citizens of Key West. The City's goal is to maintain the City's hard assets. (Strategic Plan "Infrastructure" Goal #4).

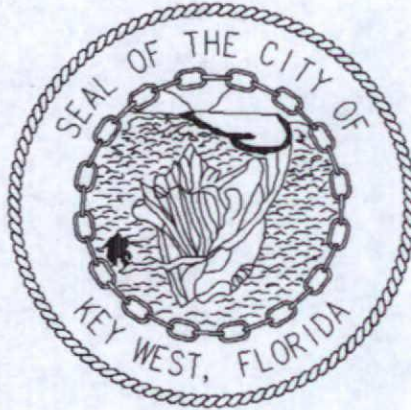
Financial Issues

Award of the General Utilities Services Contract (ITB #15-021) has no financial impact to the City until a project-specific Work Order is issued.

Recommendation

To provide adequate resources and response capabilities, Staff recommends awarding the General Utilities Services Contracts to both DN Higgins, Inc. and Charley Toppino & Sons. Individual project assignments will be authorized by via Work Orders.

CONTRACT DOCUMENTS FOR:



GENERAL UTILITIES SERVICES

ITB # 15-021

JULY 2015

MAYOR: CRAIG CATES

COMMISSIONERS:

TERRY JOHNSTON

BILLY WARDLOW

MARK ROSSI

CLAYTON LOPEZ

JIMMY WEEKLEY

TONY YANIZ

PREPARED BY
ENGINEERING SERVICES

CITY OF KEY WEST

KEY WEST, FLORIDA

CONTRACT DOCUMENTS

For

GENERAL UTILITIES SERVICES

ITB # 15-021

CONSISTING OF:
BIDDING REQUIREMENTS
CONTRACT FORMS
CONDITIONS OF THE CONTRACT
SPECIFICATIONS
DRAWINGS

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PART 1

BIDDING REQUIREMENTS

INVITATION TO BID

Sealed Bids addressed to the City of Key West (CITY), for Invitation to Bid (ITB) # 15-021 GENERAL UTILITY SERVICES CONTRACT will be received at the office of the Clerk of the City of Key West at 3126 Flagler Ave, Key West, Florida 33040, until 3:00 p.m., local time, on September 2, 2015 and then will be publicly opened and read. Any Bids received after the time and date specified will not be considered.

This contract is an indefinite quantities contract for needed construction and repairs. The project contemplated consists of items of work required for the repair and replacement of storm and sanitary sewer systems, paving, sidewalks and other miscellaneous municipal work for a contract time of three years with an option to extend for two years at the unit prices stated in the proposal plus CPI increases. The City of Key West will establish the locations and scope of work, as repair work becomes necessary. Work Order will identify the scope for each specific project.

One (1) original and two (2) USB drives in PDF format of the Bid are to be submitted in two sealed envelopes, one within the other, clearly marked on the outside "ITB #15-021: GENERAL UTILITIES SERVICES CONTRACT", and addressed to the City Clerk at the above address.

Drawings and Specifications may be obtained from Demand Star by Onvia and the City of Key West. Please contact Demand Star at www.demandstar.com or call 1-800-711-1712 and the City of Key West website at www.cityofkeywest-fl.gov.

EACH BID MUST BE SUBMITTED ON THE PRESCRIBED FORM AND ACCOMPANIED BY BID SECURITY AS PRESCRIBED IN THE INSTRUCTIONS TO BIDDERS, PAYABLE TO THE CITY OF KEY WEST, FLORIDA, IN AN AMOUNT NOT LESS THAN FIVE (5) PERCENT OF THE AMOUNT BID.

The successful Bidder will be required to furnish the necessary additional bond(s) for the faithful performance of the Contract, as Prescribed in the Bidding Documents. Within 10 days after the Notice of Award, the successful Bidder will also be required to furnish documentation showing that he is in compliance with the licensing requirements of the state and that the Provisions of Chapter 66 of the Code of Ordinances of the City of Key West. Compliance with these Provisions is required before the Contractor can enter into the agreement contained in the Contract Documents.

THE BIDDER MUST BE A LICENSED CONTRACTOR BY THE STATE OF FLORIDA AND SUBMIT PROOF OF SUCH WITH THE BID.

Specifically within 10 days the following the Notice of Award the successful bidder must demonstrate that he holds at a minimum, the following licenses & certificates;

- A. City of Key West Business Tax License Receipt
- B. A valid Certificate of Competency issued by the Chief Building Official of Key West

All bid bonds, contract bonds, insurance contracts, and certificates of insurance shall be either executed by or countersigned by a licensed resident agent of the Surety or Insurance Company having his place of business in the State of Florida, and in all ways complying with the insurance laws of the State of Florida. Further, the said Surety or Insurance Company shall be duly licensed and qualified to do business in the State of Florida.

Before a Contract will be awarded for the work contemplated herein, the OWNER will conduct such investigation as is necessary to determine the performance record and ability of the apparent low Bidder to perform the size and type of work specified under this Contract. Upon request, the Bidder shall submit such information as deemed necessary by the OWNER to evaluate the Bidder's qualifications.

For information concerning the proposed work or for an appointment to visit the site of the proposed work, contact Janet Muccino, Project Manager, @ (305) 809-3867.

At the time of the award, the successful Bidder must show satisfactory document of such State, County and City licenses as would be required. Any permit and/or license requirement and subsequent costs are located within the bid documents. The successful Bidder must also be able to satisfy the City Attorney as to such insurance coverage and legal requirements as may be demanded in Bid. The City may reject bids: (1) for budgetary reasons, (2) if the bidder misstates or conceals a material fact in its bid, (3) if the bid does not strictly conform to the law or is non-responsive to the bid requirements, (4) if the bid is conditional, (5) if a change of circumstances occurs making the purpose of the bid unnecessary, (6) or if such rejection is in the best interest of the City. The City may also waive any minor formalities or irregularities in any bid.

INTEROFFICE MEMORANDUM

To: Janet Muccino, Engineering Services Project Coordinator
CC: Sue Snider, Purchasing
From: Cheri Smith, City Clerk *Cheri Smith / sph*
Date: September 3, 2015
Subject: **GENERAL UTILITY SERVICES CONTRACT; ITB 15-021**

The following bids were opened Wednesday, September 2, 2015 at 3:00 p.m. in response to the above referenced project.

1. Douglas N. Higgins, Inc.
3390 Travis Point Road, Suite A
Ann Arbor, MI 48108
2. Charley Toppino & Sons, Inc.
P O Box 787
Key West, FL 33041

Notice to Bidder: Use Black Ink or Type For Completing the Form.

BID PROPOSAL

To: The City of Key West
Address: 3126 Flagler Ave, Key West, Florida 33040
Project Title: GENERAL UTILITY SERVICES CONTRACT
Project: ITB #15-021

Bidder's contact person for additional information on this Proposal:

Company Name: CHARLEY TOPPINO & SONS, INC.
Contact Name & Telephone #: RONALD J ARMSTRONG 305 296-5606
RONALDJ@TOPPKW.COM
Email Address: _____

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

The Bidder further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Proposal is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Proposal.

CONTRACT EXECUTION AND BONDS

The Bidder agrees that if this Proposal is accepted, he will, within 10 days, not including Sundays and legal holidays, after Notice of Award, sign the Contract in the form annexed hereto, and will at that time, deliver to the Owner evidence of holding required licenses and certificates, and will, to the extent of his Proposal, furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

CERTIFICATES OF INSURANCE

Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in these Documents.

All contractors and SUBCONTRACTORS wishing to perform work for the City of Key West, Florida, will be required to comply with the following minimum insurance requirements:

Commercial General Liability Limits:	\$2,000,000 Aggregate \$1,000,000 Each Occurrence \$2,000,000 Products-Comp / Op Aggregate \$1,000,000 Personal Injury \$300,000 Fire Damage / Legal
Coverage must include the following:	
- Contractual Liability	- Commercial Form
- CG2015 (1185) or Equivalent	- Broad Form Property Damage
- No exclusion for XCU	- Premises / Operations
- Products / Completed Operations	- Independent Contractors (if any part of the work is to be subcontracted out)
- Personal Injury	
Automobile Liability:	\$1,000,000 Combined Single Limit (Include Hired & Non-Owned Liability)
Additional Umbrella Liability:	\$2,000,000 Occurrence / Aggregate
Worker's Compensation:	Statutory
Employer's Liability:	\$1,000,000 Each Accident \$1,000,000 Disease-Policy Limit \$1,000,000 Disease-Each Employee

The Contractor will be required to provide Builders Risk insurance for the completed value of the project.

The above reflects the minimum requirements for working with the City of Key West. Any requirements found in a particular job's contract that are of a higher standard will prevail.

The City of Key West must be named as an additional insured under all policies other than worker's compensation. Contractor's or SUBCONTRACTORS general liability shall be written on a primary and non-contributory basis. Certificates of insurance must be accompanied by a copy of the additional insured endorsement (CG 20151185 or combination of CG20150704 and CG20370704 will be accepted).

Contractors and SUBCONTRACTORS must obtain an endorsement from their carrier that waives and relinquishes any right of subrogation against the City of Key West and its agents, representatives, employees, and affiliates they might possess for any policy of insurance provided under this requirement or under any state or federal worker's compensation or employer's liability act.

Contractor's policies must be endorsed to give no less than thirty (30) day notice to the City in the event of material change or cancellation.

The City of Key West must be given a certificate of insurance showing that the above requirements have been met. The certificate of insurance must remain current and must include copies of the requested endorsements (additional insured, cancellation notice, and waiver of subrogation) in order for the City to issue payments to the contractor or SUBCONTRACTOR.

ADDENDA

The Bidder hereby acknowledges that he has received Addenda No's. 1, _____,

(Bidder shall insert No. of each Addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that his Proposal(s) includes all impacts resulting from said addenda.

SALES AND USE TAXES

The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated bid prices for the work.

UNIT PRICE ITEMS

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The Bidder agrees that the unit prices represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents. The amounts shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern.

BID FORM

#	Item	Unit	Per Unit \$	Per Unit Word
1	Performance and Payment Bonds			
a	For First \$500,000 Worth of Construction Per/\$1,000 of Construction	ea	20.00	TWENTY DOLLARS--00/100
b	Next \$500,000 to \$2,000,000 Worth of Construction Per/\$1,000 of Construction	ea	19.00	NINETEEN DOLLARS---00/100
2	Mob/Demob			
a	Mobilization and Demobilization, % of Work Order (includes M.O.T., General & Supplementary Conditions, Certified AutoCAD As-builts)	%	5	Five
3	Personnel			
a	Superintendent	hr	\$98.00	NINETY EIGHT DOLLARS--00/100
b	Foreman	hr	\$80.00	EIGHTY DOLLARS-----00/100
c	Operator	hr	\$60.00	SIXTY DOLLARS---00/100
d	Laborer	hr	\$42.00	FORTY TWO DOLLARS---00/100
e	Mason	hr	\$70.00	SEVENTY DOLLARS--00/100
f	Licensed Surveyor	hr	\$300.00	THREE HUNDRED DOLLARS-00/100
4	Equipment			
a	Backhoe, with Rock Bucket, without Operator, Cat 426, or Equal	hr	\$60.00	SIXTY DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
b	Backhoe, with Rock Bucket, without Operator, Cat 320, or Equal	hr	\$80.00	EIGHTY DOLLARS--00/100
c	Wheel Front End Loader, without Operator, Cat 950, or Equal	hr	\$65.00	SIXTY FIVE DOLLARS--00/100
d	Air Compressor, 165 C.F.M.	hr	\$30.00	THIRTY DOLLARS--00/100
e	Dump Truck, 15 CY, without Operator	hr	\$60.00	SIXTY DOLLARS--00/100
f	Flatbed Dump Truck, without Operator	hr	\$55.00	FIFTY FIVE DOLLARS--00/100
g	Backhoe, Rubber Tire, Various Attachments, without Operator, Ackerman H7MC, or equal	hr	\$100.00	ONE HUNDRED DOLLARS--00/100
h	Trailer, Scow, off-road sand truck, without Operator, 24 CY minimum	hr	\$70.00	SEVENTY DOLLARS--00/100
i	Pavement Saw	hr	\$20.00	TWENTY DOLLARS--00/100
j	3-inch Trash Pump	hr	\$20.00	TWENTY DOLLARS--00/100
k	4-inch Trash Pump	hr	\$25.00	TWENTY FIVE DOLLARS--00/100
l	6-inch Hydraulic Pump	hr	\$100.00	ONE HUNDRED DOLLARS--00/100
m	1000 Gallon Sediment Box	hr	\$60.00	SIXTY DOLLARS--00/100
n	Jet Truck (Cleaning)	hr	\$500.00	FIVE HUNDRED DOLLARS--00/100
o	Laser	hr	\$10.00	TEN DOLLARS ---00/100
p	Vibratory Roller	hr	\$55.00	FIFTY FIVE DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
q	Plate Compactor	hr	\$15.00	FIFTEEN DOLLARS--00/100
r	Dozer	hr	\$65.00	SIXTY FIVE DOLLARS--00/100
s	Road Grader	hr	\$90.00	NINETY DOLLARS--00/100
t	Bob Cat or equivalent	hr	\$40.00	FORTY DOLLARS--00/100
u	Water Truck	hr	\$40.00	FORTY DOLLARS--00/100
v	Huber Grader	hr	\$60.00	SIXTY DOLLARS--00/100
w	18" Auger Truck	hr	\$400.00	FOUR HUNDRED DOLLARS--00/100
5	Materials			
a	Crushed Lime rock	ton	\$44.00	FORTY FOUR DOLLARS--00/100
b	No. 57 Rock	ton	\$40.00	FORTY DOLLARS--00/100
c	No. 89 Rock	ton	\$40.00	FORTY DOLLARS--00/100
d	Screening Sand	ton	\$41.50	FORTY ONE DOLLARS--50/100
e	Beach Sand (0.35 - 0.65 grain size)	ton	\$65.00	SIXTY FIVE DOLLARS--00/100
f	Coral Sand	ton	\$58.00	FIFTY EIGHT DOLLARS--00/100
g	No. 4 Rock	ton	\$41.00	FORTY ONE DOLLARS--00/100
h	Sod	sf	\$1.95	ONE DOLLAR--95/100

#	Item	Unit	Per Unit \$	Per Unit Word
	Trench Excavation and Backfill Per Detail			
6	Pipe 12 inches and Under			
a	0 - 6 feet Deep	lf	\$60.00	SIXTY DOLLARS--00/100
b	6 - 8 feet Deep	lf	\$65.00	SIXTY FIVE DOLLARS--00/100
c	8 - 10 feet Deep	lf	\$70.00	SEVENTY DOLLARS--00/100
d	10 - 12 feet Deep	lf	\$80.00	EIGHTY DOLLARS--00/100
7	Pipe 15 inches through 24 inches			
a	0 - 6 feet Deep	lf	\$70.00	SEVENTY DOLLARS--00/100
b	6 - 8 feet Deep	lf	\$75.00	SEVENTY FIVE DOLLARS--00/100
c	8 - 10 feet Deep	lf	\$90.00	NINETY DOLLARS--00/100
d	10 - 12 feet Deep	lf	\$128.00	ONE HUNDRED TWENTY EIGHT DOLLARS--00/100
8	Pipe 30 inches through 36 inches			
a	0 - 6 feet Deep	lf	\$100.00	ONE HUNDRED DOLLARS--00/100
b	6 - 8 feet Deep	lf	\$105.00	ONE HUNDRED FIVE DOLLARS--00/100
c	8 - 10 feet Deep	lf	\$110.00	ONE HUNDRED TEN DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
d	10 - 12 feet Deep	lf	\$120.00	ONE HUNDRED TWENTY DOLLARS--00/100
9	Pipe 42 inches through 48 inches			
a	0 - 6 feet Deep	lf	\$120.00	ONE HUNDRED TWENTY DOLLARS--00/100
b	6 - 8 feet Deep	lf	\$130.00	ONE HUNDRED THIRTY DOLLARS--00/100
c	8 - 10 feet Deep	lf	\$160.00	ONE HUNDRED SIXTY DOLLARS--00/100
d	10 - 12 feet Deep	lf	\$200.00	TWO HUNDRED DOLLARS--00/100
10	Pipe 6 inches - During Sewer Service Lateral Installation, Not Part of Sewer Main Installation			
a	0 - 6 feet Deep	lf	\$62.00	SIXTY TWO DOLLARS--00/100
b	6 - 8 feet Deep	lf	\$72.00	SEVENTY TWO DOLLARS--00/100
c	8 - 10 feet Deep	lf	\$82.00	EIGHTY TWO DOLLARS--00/100
d	10 - 12 feet Deep	lf	\$99.00	NINETY NINE DOLLARS--00/100
11	Pipe Base Stabilization			
a	Foundation Stabilization	cy	\$70.00	SEVENTY DOLLARS--00/100
12	Surface Restoration			
a	Lime Rock Base	sf	\$32.00	THIRTY TWO DOLLARS--00/100

SY

#	Item	Unit	Per Unit \$	Per Unit Word
b	Asphalt Surface repair	sy	\$39.50	THIRY NINE DOLLARS--50/100
c	Flowable Fill (500 psi)	cy	\$133.00	ONE HUNDRED THIRTY THREE DOLLARS--00/100
13	Pavement			
a	Removal of Bitumious Surface	sy	\$3.00	THREE DOLLARS--00/100
b	Raise Manholes Lids	ea	\$600.00	SIX HUNDRED DOLLARS--00/100
c	Raise Water Valve	ea	\$400.00	FOUR HUNDRED DOLLARS--00/100
d	Raise Stormwater Inlet Grates	ea	\$500.00	FIVE HUNDRED DOLLARS--00/100
e	Asphalt Concrete Overlay	ton	\$250.00	TWO HUNDRED FIFTY DOLLARS--00/100
f	Rework Existing Base	sy	\$4.75	FOUR DOLLARS--75/100
g	Asphalt Concrete Leveling Course	ton	\$270.00	TWO HUNDRED SEVENTY DOLLARS--00/100
h	Asphalt Milling, (angle milling machine) for small patchwork (less than 400 SF patches)	sy	\$7.00	SEVEN DOLLARS--00/100
i	Asphalt Milling, (road or curbside or large sections)	sy	\$6.50	SIX DOLLARS--50/100
j	Saw Cut Asphalt 0"-6"	lf	\$3.00	THREE DOLLARS--00/100
k	Saw Cut Asphalt >6"	lf	\$4.00	FOUR DOLLARS--00/100
l	Saw Cut Concrete 0"-6"	lf	\$4.00	FOUR DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
m	Saw Cut Concrete >6"	lf	\$5.00	FIVE DOLLARS--00/100
14	Sidewalk Installation			
a	4 inches depth	sf	\$9.00	NINE DOLLARS--00/100
b	6 inches depth	sf	\$10.00	TEN DOLLARS--00/100
c	Rebar # 4	lb	\$2.35	TWO DOLLARS--35/100
d	Concrete sidewalk and curb repairs	cy	\$500.00	FIVE HUNDRED DOLLARS--00/100
e	Thickened Edge	lf	\$22.00	TWENTY TWO DOLLARS--00/100
15	Curb Installation			
a	FDOT Type D	lf	\$38.00	THIRTY EIGHT DOLLARS--00/100
b	FDOT Type F	lf	\$42.50	FORTY TWO DOLLARS--50/100
c	FDOT Drop Curb	lf	\$41.00	FORTY ONE DOLLARS--00/100
16	Formed Concrete, placed			
a	Misc. Formed Concrete, placed (i.e.: small retaining walls, etc.)	cy	\$895.00	EIGHT HUNDRED NINETY FIVE DOLLARS--00/100
b	Concrete Band (12" x 18" with steel)	cy	\$900.00	NINE HUNDRED DOLLARS--00/100
17	Detectable Warning Paver			

#	Item	Unit	Per Unit \$	Per Unit Word
a	2-1/4 X 3-5/8 X 7-5/8 Brick Pavers with ADAAG Detectable Warning System - Endicott or	sf	\$28.50	TWENTY EIGHT DOLLARS--50/100
b	2-1/4 X 4 X 8 Brick Pavers with ADAAG Detectable Warning System - Endicott or equal	sf	\$31.00	THIRTY ONE DOLLARS--00/100
18	Pavement Markings			
a	STOP	ea	\$300.00	THREE HUNDRED DOLLARS--00/100
b	Arrow	ea	\$300.00	THREE HUNDRED DOLLARS--00/100
c	Separation of Lanes	lf	\$4.00	FOUR DOLLARS--00/100
d	White line	lf	\$3.50	THREE DOLLARS---50/100
19	Brick			
a	Brick Installed (ASTM Specification Heavy Vehicular Paving Brick Type II)	sf	\$20.00	TWENTY DOLLARS--00/100
b	Brick Installed (ASTM Specification Pedestrian Paving Brick Type I)	sf	\$25.00	TWENTY FIVE DOLLARS--00/100
20	Catch Basin and Inlets			
a	Type 1 Top, Type P Bottom with 4 foot Diameter Alternate A, 0 6-foot Depth	ea	\$5,850.00	FIVE THOUSAND EIGHT HUNDRED FIFTY DOLLARS--00/100
b	Type 2 Top, Type P Bottom with 4 foot Diameter Alternate A, 0 6-foot Depth	ea	\$5,850.00	FIVE THOUSAND EIGHT HUNDRED FIFTY DOLLARS--00/100
c	Type 9 Top, Type P Bottom with 4 foot Diameter Alternate A, 0 6-foot Depth	ea	\$5,850.00	FIVE THOUSAND EIGHT HUNDRED FIFTY DOLLARS--00/100
d	Type F-3, Type P Bottom with 4 foot Diameter Alternate A, 0 6-foot Depth	ea	\$6,000.00	SIX THOUSAND DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
e	Additional Depth over 6 foot for Type 1, Type 2 or Type 9 Curb Inlet, Type P Bottom with 4 foot Diameter Alternate A	vf	\$450.00	FOUR HUNDRED FIFTY DOLLARS--00/100
21	Ditch Bottom Inlet			
a	Type C, 0 6 foot Depth	ea	\$5,900.00	FIVE THOUSAND NINE HUNDRED DOLLARS--00/100
b	Additional Depth over 6 foot Depth for Ditch Bottom Inlet, Type C	vf	\$450.00	FOUR HUNDRED FIFTY DOLLARS--00/100
c	Type J, 0 6 foot Depth	ea	\$5,900.00	FIVE THOUSAND NINE HUNDRED DOLLARS--00/100
d	Additional Depth over 6 foot Depth for Ditch Bottom Inlet, Type J	vf	\$450.00	FOUR HUNDRED FIFTY DOLLARS--00/100
e	Removal of Existing Inlets or Storm Manholes Structures, Unclassified Depth	ea	\$2,000.00	TWO THOUSAND DOLLARS--00/100
22	ADS Polyethylene Pipe			
a	12 inches	lf	\$20.00	TWENTY DOLLARS--00/100
b	15 inches	lf	\$22.00	TWENTY TWO DOLLARS--00/100
c	18 inches	lf	\$24.00	TWENTY FOUR DOLLARS--/100
d	24 inches	lf	\$26.00	TWENTY SIX DOLLARS--00/100
e	36 inches	lf	\$52.00	FIFTY TWO DOLLARS--00/100
f	42 inches	lf	59.50	FIFTY NINE DOLLARS---50/100
23	Reinforced Concrete Pipe			

#	Item	Unit	Per Unit \$	Per Unit Word
a	15 inches	lf	\$26.00	TWENTY SIX DOLLARS--00/100
b	18 inches	lf	\$30.00	THIRTY DOLLARS--00/100
c	24 inches	lf	\$51.00	FIFTY ONE DOLLARS--00/100
24	Reinforced Concrete Pipe Class IV			
a	24 inches	lf	\$60.00	SIXTY DOLLARS--00/100
b	30 inches	lf	\$65.00	SIXTY FIVE DOLLARS--00/100
c	36 inches	lf	\$70.00	SEVENTY DOLLARS--00/100
d	48 inches	lf	\$150.00	ONE HUNDRED DOLLARS--00/100
25	PVC Sch 40			
a	1/2 inch	lf	\$2.00	TWO DOLLARS--00/100
b	3/4 inch	lf	\$3.00	THREE DOLLARS--00/100
c	1 inch	lf	\$3.50	THREE DOLLARS--50/100
d	2 inch	lf	\$4.00	FOUR DOLLARS--00/100
e	4 inch	lf	\$12.00	TWELVE DOLLARS--00/100
f	6 inch	lf	\$15.00	FIFTEEN DOLLARS--/100

#	Item	Unit	Per Unit \$	Per Unit Word
26	PVC Sch 80			
a	1/2 inch	lf	\$2.50	TWO DOLLARS--50/100
b	3/4 inch	lf	\$3.51	THREE DOLLARS--51/100
c	1 inch	lf	\$5.08	FIVE DOLLARS--08/100
d	2 inch	lf	\$10.75	TEN DOLLARS--75/100
e	4 inch	lf	11.00	ELEVEN DOLLARS--00/100
f	6 inch	lf	\$13.00	THIRTEEN DOLLARS--00/100
27	C - 900 Pipe DR18			
a	4 inch	lf	\$4.00	FOUR DOLLARS--00/100
b	6 inch	lf	\$7.00	SEVEN DOLLARS--00/100
c	8 inch	lf	\$12.00	TWELVE DOLLARS--00/100
d	10 inch	lf	\$18.00	EIGHTEEN DOLLARS--00/100
e	12 inch	lf	\$25.30	TWENTY FIVE DOLLARS--30/100
28	C - 900 Pipe DR25			
a	4 inch	lf	\$3.00	THREE DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
b	6 inch	lf	\$5.80	FIVE DOLLARS--80/100
c	8 inch	lf	\$10.00	TEN DOLLARS--00/100
d	10 inch	lf	\$15.00	FIFTEEN DOLLARS--00/100
e	12 inch	lf	\$22.00	TWENTY TWO DOLLARS--00/100
29	C - 905 Pipe DR25			
a	14 inch	lf	\$28.00	TWENTY EIGHT DOLLARS--00/100
b	16 inch	lf	\$34.00	THIRTY FOUR DOLLARS--00/100
c	18 inch	lf	\$42.00	FORTY TWO DOLLARS--00/100
d	20 inch	lf	\$53.00	FIFTY THREE DOLLARS--00/100
e	24 inch	lf	\$77.00	SEVENTY SEVEN DOLLARS--00/100
f	30 inch	lf	\$118.00	ONE HUNDRED EIGHTEEN DOLLARS--00/100
g	36 inch	lf	\$173.00	ONE HUNDRED SEVENTY THREE DOLLARS--00/100
h	42 inch	lf	\$400.00	FOUR HUNDRED DOLLARS--00/100
i	48 inch	lf	\$400.00	FOUR HUNDRED DOLLARS--00/100
30	C - 905 Pipe DR41			

#	Item	Unit	Per Unit \$	Per Unit Word
a	14 inch	lf	\$21.00	TWENTY ONE DOLLARS--00/100
b	16 inch	lf	\$21.00	TWENTY ONE DOLLARS--00/100
c	18 inch	lf	\$27.00	TWENTY SEVEN DOLLARS--00/100
d	20 inch	lf	\$33.00	THIRTY THREE DOLLARS--00/100
e	24 inch	lf	\$48.00	FOURTY EIGHT DOLLARS--00/100
f	30 inch	lf	\$73.00	SEVENTY THREE DOLLARS--00/100
g	36 inch	lf	\$173.00	ONE HUNDRED SEVENTY THREE DOLLARS--00/100
h	42 inch	lf	\$400.00	FOUR HUNDRED DOLLARS--00/100
i	48 inch	lf	\$400.00	FOUR HUNDRED DOLLARS--00/100
31	Joints			
a	Mechanically Restrained Joints for PVC Pipe 4"	ea	\$225.00	TWO HUNDRED TWENTY FIVE DOLLARS--00/100
b	Mechanically Restrained Joints for PVC Pipe 6"	ea	\$365.00	THREE HUNDRED SIXTY FIVE DOLLARS--00/100
c	Mechanically Restrained Joints for PVC Pipe 8"	ea	\$405.00	FOUR HUNDRED FIVE DOLLARS--00/100
d	Mechanically Restrained Joints for PVC Pipe 10"	ea	\$500.00	FIVE HUNDRED DOLLARS--00/100
e	Mechanically Restrained Joints for PVC Pipe 12"	ea	\$572.00	FIVE HUNDRED SEVENTY TWO DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
f	Mechanically Restrained Joints for PVC Pipe 16"	ea	\$860.00	EIGHT HUNDRED SIXTY DOLLARS--00/100
g	Mechanically Restrained Joints for PVC Pipe 18"	ea	\$1,135.00	ONE THOUSAND ONE HUNDRED THIRTY FIVE DOLLARS--00/100
h	Mechanically Restrained Joints for PVC Pipe 20"	ea	\$1,256.00	ONE THOUSAND TWO HUNDRED FIFTY SIX DOLLARS--00/100
i	Mechanically Restrained Joints for PVC Pipe 24"	ea	\$1,476.00	ONE THOUSAND FOUR HUNDRED SEVENTY SIX DOLLARS--00/100
j	Mechanically Restrained Joints for PVC Pipe 30"	ea	\$3,500.00	THREE THOUSAND FIVE HUNDRED DOLLARS--00/100
k	Mechanically Restrained Joints for PVC Pipe 36"	ea	\$4,250.00	FOUR THOUSAND TWO HUNDRED FIFTY DOLLARS--00/100
l	Mechanically Restrained Joints for PVC Pipe 42"	ea	\$6,850.00	SIX THOUSAND EIGHT HUNDRED FIFTY DOLLARS--00/100
m	Mechanically Restrained Joints for PVC Pipe 48"	ea	\$9,150.00	NINE THOUSAND ONE HUNDRED FIFTY DOLLARS--00/100
32	Other			
a	Removal of Existing Storm Drain Pipe, Unclassified Depth and Diameter	lf	\$55.00	FIFTY FIVE DOLLARS--00/100
b	Exfiltration Trench	lf	\$190.00	ONE HUNDRED NINETY DOLLARS--00/100
c	Seepage Trench	lf	\$115.00	ONE HUNDRED FIFTEEN DOLLARS--00/100
d	French Drain	lf	\$183.00	ONE HUNDRED EIGHTY THREE DOLLARS--00/100
33	Manholes			
a	Standard 4 foot Diameter Manholes, 0-6-foot Depth	ea	\$5,500.00	FIVE THOUSAND FIVE HUNDRED DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
b	Standard 4 foot Diameter Manholes, over 6 foot Depth	vf	\$450.00	FOUR HUNDRED FIFTY DOLLARS--00/100
c	Drop Manhole Assemblies	vf	\$400.00	FOUR HUNDRED DOLLARS--00/100
d	Additional Cost to Provide Watertight Manhole Frame and Cover in Lieu of Standard Frame and Cover	ea	\$2,900.00	TWO THOUSAND NINE HUNDRED DOLLARS--00/100
e	Conflict Manholes (6-foot Diameter), 0-6 foot Depth	ea	\$7,000.00	SEVEN THOUSAND DOLLARS--00/100
f	Conflict Manholes (6 foot Diameter), Over 6 foot Depth	vf	\$500.00	FIVE HUNDRED DOLLARS--00/100
34	Service Connection Pipe Stub outs			
a	6 inches	ea	\$500.00	FIVE HUNDRED DOLLARS--00/100
b	Connections to Existing Manholes	ea	\$3,000.00	THREE THOUSAND DOLLARS--00/100
c	Removal of Existing Manholes, Unclassified Depth	ea	\$2,000.00	TWO THOUSAND DOLLARS--00/100
d	Adjusting Existing Manholes	ea	\$1,000.0	ONE THOUSAND DOLLARS--00/100
35	Sewer Connection Services			
a	Sewer Service Connection Pipe	lf	\$2,500.00	TWO THOUSAND FIVE HUNDRED DOLLARS--00/100
b	Connection at Trench Wall	ea	\$1,500.00	ONE THOUSAND FIVE HUNDRED DOLLARS--00/100
c	Cleanouts	ea	\$500.00	FIVE HUNDRED DOLLARS--00/100
d	Cleanout Box	ea	\$500.00	FIVE HUNDRED DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
36	Cleaning			
a	6-10 inch Diameter Pipe	lf	\$15.00	FIFTEEN DOLLARS--00/100
b	12 - 15 inch Diameter Pipe	lf	\$20.00	TWENTY DOLLARS--00/100
c	18-24 inch Diameter Pipe	lf	\$25.00	TWENTY FIVE DOLLARS--00/100
d	36-42 inch Diameter Pipe	lf	\$35.00	THIRTY FIVE DOLLARS--00/100
e	Manholes, Any Diameter	ea	\$500.00	FIVE HUNDRED DOLLARS--00/100
37	PVC Wye Fittings or Connections			
a	6 x 6	ea	\$275.00	TWO HUNDRED SEVENTY FIVE DOLLARS--00/100
b	8 x 6	ea	\$350.00	THREE HUNDRED FIFTY DOLLARS--00/100
c	10 x 6	ea	\$377.00	THREE HUNDRED SEVENTY SEVEN DOLLARS--00/100
d	12 x 6	ea	\$441.00	FOUR HUNDRED FORTY ONE DOLLARS--00/100
e	15 x 6	ea	\$607.00	SIX HUNDRED SEVEN DOLLARS--00/100
f	Ductile Iron or Cast Iron Fittings, Complete with Cement Mortar Lining and Thrust Blocks	lb	\$35.00	THIRTY FIVE DOLLARS--00/100
38	Connections to Dissimilar Gravity Pipe			
a	8 inches	ea	\$200.00	TWO HUNDRED DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
b	10 inches	ea	\$275.00	TWO HUNDRED SEVENTY FIVE DOLLARS--00/100
c	12 inches	ea	\$332.50	THREE HUNDRED THIRTY TWO DOLLARS--50/100
d	15 inches	ea	\$580.00	FIVE HUNDRED EIGHTY DOLLARS--00/100
e	Removal of Existing Sanitary Sewer lines, Unclassified Depth and Diameter	lf	\$55.00	FIFTY FIVE DOLLARS--00/100
f	Concrete Encasement with steel	cy	\$800.00	EIGHT HUNDRED DOLLARS--00/100
39	Installation of Plug Valves and Valve Boxes			
a	4 inches	ea	\$898.00	EIGHT HUNDRED NINETY EIGHT DOLLARS--00/100
b	6 inches	ea	2,950.00	TWO THOUSAND NINE HUNDRED FIFTY DOLLARS--00/100
c	8 inches	ea	\$3,080.00	THREE THOUSAND EIGHTY DOLLARS--00/100
d	10 inches	ea	\$3,989.00	THREE THOUSAND NINE HUNDRED EIGHTY NINE DOLLARS--00/100
e	12 inches	ea	\$4,881.50	FOUR THOUSAND EIGHT HUNDRED EIGHTY ONE DOLLARS--50/100
f	18 inches	ea	\$11,450.00	ELEVEN THOUSAND FOUR HUNDRED FIFTY DOLLARS--00/100
40	Environmental Protection			
a	Turbidity Screen	lf	\$15.00	FIFTEEN DOLLARS--00/100
b	Silt Barrier	lf	\$4.00	FOUR DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
c	Concrete Encasement with steel	cy	\$1,000.00	ONE THOUSAND DOLLARS--00/100
d	Dewatering Trench 4 ft deep	LS	\$2,000.00	TWO THOUSAND DOLLARS--00/100
e	Dewatering Trench 6 ft deep	LS	\$2,500.00	TWO THOUSAND FIVE HUNDRED DOLLARS--00/100
f	Dewatering Trench 8 ft deep	LS	\$3,000.00	THREE THOUSAND DOLLARS--00/100
g	Dewatering Trench 10 ft deep	LS	\$3,500.00	THREE THOUSAND FIVE HUNDRED DOLLARS--00/100
h	Dewatering Trench 12 ft deep	LS	\$4,000.00	FOUR THOUSAND DOLLARS--00/100
i	Dewatering Pit Excavation	LS	\$7,000.00	SEVEN THOUSAND DOLLARS--00/100
41	Waterline Relocation			
a	4 inch	lf	\$80.00	EIGHTY DOLLARS--00/100
b	6 inch	lf	\$85.00	EIGHTY FIVE DOLLARS--00/100
c	8 inch	lf	\$90.00	NINETY DOLLARS--00/100
d	10 inch	lf	\$110.00	ONE HUNDRED TEN DOLLARS--00/100
e	12 inch	lf	\$120.00	ONE HUNDRED TWENTY DOLLARS--00/100
f	14 inch	lf	\$130.00	ONE HUNDRED THIRTY DOLLARS--00/100
g	16 inch	lf	\$140.00	ONE HUNDRED FORTY DOLLARS--00/100

#	Item	Unit	Per Unit \$	Per Unit Word
h	18 inch	lf	\$180.00	ONE HUNDRED EIGHTY DOLLARS--00/100
42	Testing			
a	Bacterial Test-waterline	ea	\$4,000.00	FOUR THOUSAND DOLLARS--00/100
b	Compaction Testing for soil	ea	\$310.00	THREE HUNDRED TEN DOLLARS--00/100
c	Gravity Sewerline Pressure Test	ea	\$800.00	EIGHT HUNDRED DOLLARS--00/100
d	Forcemain Sewerline Pressure Test	ea	\$3,000.00	THREE THOUSAND DOLLARS--00/100
e	Infiltration Test for manholes	ea	\$800.00	EIGHT HUNDRED DOLLARS--00/100
f	Waterline Pressure Test	ea	\$3,000.00	THREE THOUSAND DOLLARS--00/100
43	Landscaping			
a	Transplant Existing Tree (0-10" in diameter) includes all labor, materials, equipment & maintenance	ea	\$1,000.00	ONE THOUSAND DOLLARS--00/100
b	Plant New Tree (0-10" diameter) includes all labor, materials, equipment & maintenance	ea	\$2,000.00	TWO THOUSAND DOLLARS--00/100
c	Transplant Existing Tree (over 10" in diameter) includes all labor, materials, equipment & maintenance	ea	\$2,000.00	TWO THOUSAND DOLLARS--00/100
d	Plant New Tree (over 10" in diameter) includes all labor, materials, equipment & maintenance	ea	\$3,500.00	THREE THOUSAND FIVE HUNDRED DOLLARS--00/100
e	Sod Removal	sf	\$50	ZERO DOLLARS--50/100
f	Sod Placement	sf	\$1.80	ONE DOLLAR---80/100

#	Item	Unit	Per Unit \$	Per Unit Word
g	Seeding	sf	\$1.00	ONE DOLLAR--00/100
h	Debris Removal and hauling to an acceptable certified landfill	ton	\$94.00	NINETY FOUR DOLLARS--00/100
44	Roadway Signs			
a	F.D.O.T Sign Installation (includes sign, post and installation)	ea	\$475.00	FOUR HUNDRED SEVENTY FIVE DOLLARS--00/100
45	Other			
a	Markup Allowed -materials, equipment, testing, etc. not listed above	%	15	Fifteen
b	Markup Allowed on Approved Subcontractor Work	%	5	Five