

M-11

# COMMISSION AGENDA REPORT

COMMISSION MEETING DATE: 04-03-2012 AGENDA ITEM: M-11

COMMISSION REPORT NO: 12-0627

PREPARED BY:

Albert Carbon 03-09-2012 18:32:44 DEPT: Public Works

DEPARTMENT DIRECTOR'S SIGNATURE

Albert J. Carbon, P.E., Public Works Director, 954-828-5290

AUTHOR'S NAME, TITLE, AND TELEPHONE NUMBER

Lee R. Feldman 03-29-2012 18:16:35

CITY MANAGER'S SIGNATURE

TITLE 1: AMENDMENT 10 - WORK AUTHORIZATION 16724.70 - KEITH AND SCHNARS, P.A. - \$60,590

TITLE 2: IMPERIAL POINT LARGE WATER MAIN

SUBJECT:

Amendment 10 to Work Authorization 16724.70, in the amount of \$60,590, providing construction phase services for Imperial Point Large Water Main -Phase II.

REQUESTED ACTION (STAFF RECOMMENDATION - CONTENT OF MOTION):

Motion to approve.

- REGULAR AGENDA
  - Motion
  - Public Hearing
  - Resolution
  - Purchase
  - Consent Resolution
- Motion for Discussion
- Ordinance
- Presentation
- Citizen Presentation
- CONFERENCE
  - Old/New Business
  - Exec Closed Door
  - Conference Reports
  - Advisory Boards
- City Commission Reports
- City Manager Reports

Public Notice Advertised:

FUNDS APPROPRIATION/TRANSFER (provide index code, subobject, and title of subobject):

See Exhibit 4 for funding information.

## FOR PROCUREMENT ITEMS ONLY

PROCUREMENT REFERENCE NO: TRANSACTION TYPE:

BIDS SOLICITED/RECEIVED: WBE: LATE BID:

Vendor: MBE: NO BID:

Amount: Details:

Procurement Recommendation:



**KEITH and SCHNARS, P.A.**  
**ENGINEERS, PLANNERS, SURVEYORS**

January 9, 2012  
Revised January 23, 2012

Dated the 3rd day of April, 2012

Mr. Jorge Holguin, Project Manager  
City of Fort Lauderdale  
100 North Andrews Avenue  
Fort Lauderdale, Florida 33301

**RE: WORK AUTHORIZATION NO. 16724.70, Amendment No. 10**  
**Imperial Point Large Water Main**  
**Construction Phase Services**  
**Additional Services Agreement (Amendment No. 10) P.O. #02704**  
**City of Fort Lauderdale Project No. ~~10571-11720~~**  
**Keith and Schnars, P.A. Project No. 16724.70**

Dear Mr. Holguin:

In accordance with the terms and conditions of the Professional Services Agreement, approved by the City Commission on February 20, 2001, between Keith and Schnars, P.A. ("K&S") and The City of Fort Lauderdale ("CITY"), for the provision of professional general/civil engineering consulting services, this request for additional services is submitted for your consideration and approval. The work associated with Amendment No. 10 will be invoiced as Additional Services to Work Authorization No. 16724.70, approved on December 2, 2003.

K&S has provided design and permitting services for the proposed water main improvements. The CITY has requested additional services to include periodic construction observation and inspection services as required for certification and close-out of permits with Broward County Health Department (HRS). K&S inspection services shall be limited to shop drawing review, observation of testing, and periodic construction observation as necessary to certify conformance to bid documents. All other services related to inspection and monitoring of construction activities will be provided by CITY. The CITY will provide appropriate notice for K&S to be responsive. In addition to construction inspection, CITY has requested that K&S prepare as-built surveys required for certification. K&S shall compile certification package for submittal to permitting agencies using as-builts and documentation provided by CITY.

It is anticipated that work associated with this Amendment will be funded in part by the transfer of **\$4,650.55** from existing unbilled tasks and supplemented by additional funds in the amount of **\$60,590.00** for a **net change of \$55,939.45**. The following table provides a summary of new tasks and transfers:

**Imperial Point Large Water Main-Phase 2**

City of Fort Lauderdale Project No. 10571-11720

Keith and Schnars Project No. 16724.70

**Existing Tasks to be Amended**

<b>Task</b>	<b>Description</b>	<b>Contract Task Amount</b>	<b>Previously Billed</b>	<b>Amount this Amendment (No. 10)</b>	<b>Amended Task Amount</b>
0002Z	Amd #6, Reimbursible Allowance	\$ 5,000.00	(\$ 845.45)	(\$4,154.55)	\$0.00
05007	Amd #5, Design Eng. Services	\$ 6,400.00	(\$ 6,240.00)	(\$160.00)	\$ 0.00
22002	Geometric Control Plan	\$ 8,880.00	(\$ 8,800.00)	(\$ 80.00)	\$ 0.00
SUB03	Amd. #1, Geotech Investigations	\$ 6,645.00	(\$ 6,390.00)	(\$255.00)	\$ 0.00
	<b>Total Tasks Affected</b>	<b>\$ 26,925.00</b>	<b>(\$22,275.45)</b>	<b>(\$4,649.55)</b>	<b>\$ 0.00</b>

**New Tasks to be Added**

<b>Task</b>	<b>Description</b>	<b>Estimated Timeframe</b>	<b>Estimated Hours</b>	<b>Task Amount</b>	<b>Type of Billing</b>
8.03	Pre-Construction Services	6 weeks	60	\$ 6,700.00	T&M
8.04	Periodic Inspection Services	44 weeks	192	\$ 21,650.00	T&M
8.05	Partial Certifications	12 weeks	80	\$9,000.00	LS
8.06	Meetings & Respond to RFI's	44 weeks	80	\$8,480.00	T&M
8.07	As-built Survey Services	44 weeks	180	\$14,760.00	LS
	<b>Total of New Tasks</b>			<b>\$ 60,590.00</b>	

**AMENDMENT TO THE SCOPE OF SERVICES**

**8.0 CONSTRUCTION PHASE SERVICES:**

K&S will provide periodic inspection services as necessary to provide certification that improvements are constructed in conformance with approved bid documents. The Project is expected to have a 44-week duration. The level of service will vary depending upon the extent of activity. K&S services are to supplement CITY's daily construction observations and are provided only to the extent necessary to provide certification. Services do not include review of change order requests, pay requisitions, preparation of as-builts, testing, punch-lists or project close out; these services are provided through CITY.

**8.03 Pre-Construction Services**

K&S will provide limited pre-construction services upon request from CITY to include:

- Update/renew permits,
- Attend preconstruction meeting as with selected Contractor as coordinated by CITY,



**Imperial Point Large Water Main-Phase 2**

Revised January 23, 2012

City of Fort Lauderdale Project No. 10571 11720

Keith and Schnars Project No. 16724.70

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- Provide technical review of Contractor's shop drawings and product data for conformance with approved construction documents.

Services under this task will be performed on a T&M basis using approved rates and budget with an anticipated timeframe of 6 weeks and estimate of 60 hours.

#### **8.04 Periodic Inspection Services**

Periodic Inspections by K&S will supplement CITY's daily efforts to the extent necessary for certification. The CITY will monitor construction progress on a day-to-day basis and shall report contractor activities to K&S. Based upon reports provided by CITY and contractor progress, K&S will coordinate periodic inspections with CITY. Services are estimated at an average of 4 hours per week throughout construction period and include the following:

- Occasional on-site observation of the work in progress to confirm construction in compliance with approved permit and plans. Report to CITY non-confirming issues which would impact certification to HRS. K&S shall not communicate directly with the City's Contractor. All communications with the Contractor will be through the CITY.
- Observe pressurization and bacteriological testing as needed.

Services under this task will be performed on a T&M basis using pre-approved rates and budgets with an anticipated timeframe of 44 weeks and estimate of 192 hours.

#### **8.05 Partial Certifications**

In an attempt to minimize disruption, improvements will be constructed in segments resulting in partial certifications of each segment. It is anticipated that up to six (6) Partial Certifications may be necessary. Each partial certification will include a complete submittal to HRS. Test reports (bacteriological and pressure), other documentation, and checks for certification fees will be provided to K&S for review. Upon acceptance, K&S will prepare and process certification submittals to HRS. The last partial certification will include final certification and close-out of the project in entirety. Services include:

- As-builts review for sufficiency,
- Upon review of documents, prepare signed and sealed letter of certification to HRS,
- Prepare and process submittal to HRS.

#### **8.06 Meetings and Response to RFI's**

Upon the request of the CITY, K&S shall attend meetings related to the services provided through this amendment. Meetings are anticipated to require less than 20 hours over the duration of the project. In addition K&S will provide technical interpretations, clarifications, and response to RFI's

**Imperial Point Large Water Main-Phase 2**

Revised January 23, 2012

City of Fort Lauderdale Project No. ~~40574~~ 11720

Keith and Schnars Project No. 16724.70

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at the request of the CITY. Such requests are anticipated to require less than 80 hours over the duration of the project.

**8.07 Water main As-builts**

CONSULTANT shall perform field and office services to prepare an As-built Survey of the new 16" D.I.P. Water Main to be installed along Northeast 56<sup>th</sup> Street. There is approximately 5,771 linear feet of new water line being installed. CONSULTANT shall as-built approximately 4,761 linear feet of new 16" D.I.P. Water Main. CONSULTANT's services do not include the as-built of approximately 1,010 linear feet of "Directional Drilled Water Main".

As-built information shall be obtained at all bends, tees, gate valves, manholes, utility crossings and elevations at approximate 50 foot interval, all within the specified area outlined above. As-built data shall be added in CADD to the Engineering Design Plans. As-builts deliverable will include signed and sealed As-builts.

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**Imperial Point Large Water Main-Phase 2**

City of Fort Lauderdale Project No. ~~40571~~ 11720

Keith and Schnars Project No. 16724.70

**WORK AUTHORIZATION NO. 16724.70  
Imperial Point Large Water Main  
Construction Phase Services  
Amendment to Scope of Services (Amendment No. 10)**

**8.0 Construction Phase Services:**

8.03 Pre-Construction Services	(T&M)	\$ 6,700.00
8.04 Periodic Inspection Services	(T&M)	\$ 21,650.00
8.05 Partial Certifications	(LS)	\$ 9,000.00
8.06 Project Management Services	(T&M)	\$ 8,480.00
8.07 Water main As-builts	(LS)	\$ 14,760.00

**Total Construction Phase: \$ 60,590.00**

<b>TOTAL New Tasks</b>	<b>\$ 60,590.00</b>
<b>Zero Cost Change Transfer of Funds</b>	<b>(\$ 4,649.55)</b>
<b>Amendment # 10 <u>Additional Funds</u></b>	<b>\$ 55,940.45</b>

*L.S. = Lump Sum; N.T.E. = Not to Exceed; T& M = Time & Materials*

See Exhibit 'A' for further details regarding Expenses.

THE TIME PERIOD FOR THIS WORK AUTHORIZATION UPON RECEIPT OF PURCHASE ORDER WILL BE:

- Pre-Construction Documents. 90 Calendar Days-(From Notice to Proceed)
- Periodic Inspection Services, Partial Certifications, Meetings and response to RFI's. 308 Calendar Days -(From Notice to Proceed)



**Imperial Point Large Water Main-Phase 2**

City of Fort Lauderdale Project No. 40571 11720

Keith and Schnars Project No. 16724.70

**WORK AUTHORIZATION NO. 16724.70  
Imperial Point Large Water Main  
Construction Phase Services  
Amendment to Scope of Services (Amendment No. 10)**

KEITH and SCHNARS, P.A.

KEITH and SCHNARS, P.A.

By [Signature] Date 3-6-12  
Tim Hall, P.E.  
Vice President, Civil Engineering

By [Signature] Date 3/6/12  
Mark J. Moshier, P.E.  
Secretary

ATTEST:

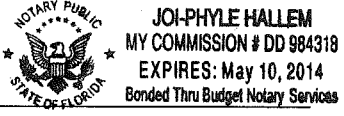
By [Signature] Date 3-6-12  
Witness

By [Signature] Date 3-6-12  
Witness

STATE OF FLORIDA  
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this 6<sup>th</sup> day of March, 2012, by Tim Hall, P.E. and Mark J. Moshier, P.E. as Vice President and Secretary respectively, of Keith and Schnars, P.A., a Florida Corporation, on behalf of the corporation. They are personally known to me and did not take an oath.

[Signature]  
Notary Public, State of Florida



My Commission Expires: May 10, 2014  
DD984318  
Commission Number

Name of Notary Public Typed, Printed, or Stamped

(CORPORATE SEAL)

**Imperial Point Large Water Main-Phase 2**

Revised January 23, 2012

City of Fort Lauderdale Project No. 10571 11720

Keith and Schnars Project No. 16724.70

**WORK AUTHORIZATION NO. 16724.70  
Imperial Point Large Water Main  
Construction Phase Services  
Amendment to Scope of Services (Amendment No. 10)**

WITNESSES:

CITY OF FORT LAUDERDALE

*Sofia Alti*  
*Sofia Alti*

[Witness type or print name]

By *J. P. Seiler*  
JOHN P. "JACK" SEILER, Mayor

*Quik Pineda*  
*Aya D. Pineda*

[Witness type or print name]

By *L. R. Feldman*  
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:

*Jonda K. Joseph*  
JONDA K. JOSEPH, City Clerk

Approved as to form:

*Carla Sen*  
Assistant City Attorney



CLASSIFICATION	TASK HOURS	HOURLY RATE	PROPOSAL DOLLARS
Proposal Preparation			
02 Admn. Asst.		\$40.00	\$0.00
04 Community Liaison		\$60.00	\$0.00
06 CADD Operator		\$65.00	\$0.00
07 Scientist II		\$75.00	\$0.00
08 Economic/Financial Analyst		\$75.00	\$0.00
09 Scientist I		\$60.00	\$0.00
11 Graphic Designer		\$60.00	\$0.00
12 Landscape Architect (RLA)		\$85.00	\$0.00
13 Field Representative		\$55.00	\$0.00
14 Landscape Architect (LA)		\$65.00	\$0.00
15 Planner (AICP)		\$75.00	\$0.00
16 Associate Planner		\$60.00	\$0.00
17 Project Engineer/Designer		\$75.00	\$0.00
18 Project Manager I		\$90.00	\$0.00
19 Professional Engineer (P.E.)	10	\$95.00	\$950.00
20 Prof. Land Surveyor (P.L.S. & Mapper)		\$80.00	\$0.00
21 Senior Project Manager		\$135.00	\$0.00
22 Senior Member		\$200.00	\$0.00
23 Senior Project Engineer		\$85.00	\$0.00
24 Project Manager II		\$100.00	\$0.00
25 Technician II		\$65.00	\$0.00
26 Project Manager III	50	\$115.00	\$5,750.00
29 Technician I		\$55.00	\$0.00
30 Transportation Planner		\$70.00	\$0.00
32 Senior Field Representative		\$65.00	\$0.00
41 Survey Field Crew Supervisor		\$75.00	\$0.00
42 Survey Party - 2 Person		\$85.00	\$0.00
43 Survey Party - 3 Person		\$105.00	\$0.00
44 Survey Party - 4 Person		\$125.00	\$0.00
TOTAL HOURS	60		
TOTAL DOLLARS			\$6,700.00

REIMBURSABLE EXP.:	EST. COST	RELATED PRINT NO.
SUBCONSULTANT A	\$	
SUBCONSULTANT B		
SUBCONSULTANT C		
SUBCONSULTANT D		
PERMIT FEES		
TRAVEL		
EQUIPMENT/SUPPLIES		
PRINTS & GRAPHICS		
Misc. Including but not limited to Plotting, Shipping, Tolls & Parking		
A. TOTAL REIMBURS EXP.		

**DIRECT EXPENSES:**

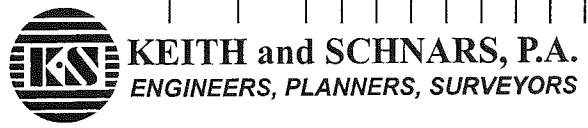
SUBCONSULTANT A	
SUBCONSULTANT B	
SUBCONSULTANT C	
SUBCONSULTANT D	
BLUEPRINT/REPROS	
PERMIT FEES	
MEALS	
EQUIPMENT/SUPPLIES	

**B. TOTAL DIRECT EXPENSES**

C. TOTAL DIRECT LABOR \$6,700.00 T&M

**TOTAL BUDGET (A+B+C)** \$6,700.00

PREPARED BY: RG DATE: 01/10/12  
 APPROVED BY: T. Hall DATE: 01/10/12  
 BEGINNING DATE:  
 ENDING DATE:



CLASSIFICATION	TASK HOURS	HOURLY RATE	PROPOSAL DOLLARS
Proposal Preparation			
02 Adm'n. Asst		\$40.00	\$0.00
04 Community Liaison		\$60.00	\$0.00
06 CADD Operator	0	\$65.00	\$0.00
07 Scientist II	0	\$75.00	\$0.00
08 Economic/Financial Analyst		\$75.00	\$0.00
09 Scientist I	0	\$60.00	\$0.00
11 Graphic Designer	0	\$60.00	\$0.00
12 Landscape Architect (RLA)	0	\$85.00	\$0.00
13 Field Representative	0	\$55.00	\$0.00
14 Landscape Architect (LA)	0	\$65.00	\$0.00
15 Planner (AICP)	0	\$75.00	\$0.00
16 Associate Planner	0	\$60.00	\$0.00
17 Project Engineer/Designer	0	\$75.00	\$0.00
18 Project Manager I	0	\$90.00	\$0.00
19 Professional Engineer (P.E.)	0	\$95.00	\$0.00
20 Prof. Land Surveyor (P.L.S. & Mapper)		\$80.00	\$0.00
21 Senior Project Manager	70	\$135.00	\$9,450.00
22 Senior Member		\$200.00	\$0.00
23 Senior Project Engineer	0	\$85.00	\$0.00
24 Project Manager II	122	\$100.00	\$12,200.00
25 Technician II		\$65.00	\$0.00
26 Project Manager III		\$115.00	\$0.00
29 Technician I		\$55.00	\$0.00
30 Transportation Planner		\$70.00	\$0.00
32 Senior Field Representative		\$65.00	\$0.00
41 Survey Field Crew Supervisor		\$75.00	\$0.00
42 Survey Party - 2 Person		\$85.00	\$0.00
43 Survey Party - 3 Person		\$105.00	\$0.00
44 Survey Party - 4 Person		\$125.00	\$0.00
TOTAL HOURS	192		
TOTAL DOLLARS			\$21,650.00

REIMBURSABLE EXP.:	EST. COST	RELATED PRINT NO.
SUBCONSULTANT A	\$	
SUBCONSULTANT B		
SUBCONSULTANT C		
SUBCONSULTANT D		
PERMIT FEES		
TRAVEL		
EQUIPMENT/SUPPLIES		
PRINTS & GRAPHICS		
<i>Misc. Including but not limited to Plotting, Shipping, Tolls &amp; Parking</i>		
A. TOTAL REIMBURS EXP.		

**DIRECT EXPENSES:**

SUBCONSULTANT A	
SUBCONSULTANT B	
SUBCONSULTANT C	
SUBCONSULTANT D	
BLUEPRINT/REPROS	
PERMIT FEES	
MEALS	
EQUIPMENT/SUPPLIES	

**B. TOTAL DIRECT EXPENSES**

C. TOTAL DIRECT LABOR \$21,650.00

T&M

**TOTAL BUDGET (A+B+C)**

\$21,650.00

PREPARED BY: RG  
 APPROVED BY: T. Hall  
 BEGINNING DATE:  
 ENDING DATE:

DATE: 01/10/12  
 DATE: 01/10/12



CLASSIFICATION	TASK HOURS	HOURLY RATE	PROPOSAL DOLLARS
Proposal Preparation			
02 Admin. Asst.		\$40.00	\$0.00
04 Community Liaison		\$60.00	\$0.00
06 CADD Operator		\$65.00	\$0.00
07 Scientist II	0	\$75.00	\$0.00
08 Economic/Financial Analyst		\$75.00	\$0.00
09 Scientist I	0	\$60.00	\$0.00
11 Graphic Designer	0	\$60.00	\$0.00
12 Landscape Architect (RLA)	0	\$85.00	\$0.00
13 Field Representative	0	\$55.00	\$0.00
14 Landscape Architect (LA)	0	\$65.00	\$0.00
15 Planner (AICP)	0	\$75.00	\$0.00
16 Associate Planner	0	\$60.00	\$0.00
17 Project Engineer/Designer	0	\$75.00	\$0.00
18 Project Manager I	40	\$90.00	\$3,600.00
19 Professional Engineer (P.E.)	0	\$95.00	\$0.00
20 Prof. Land Surveyor (P.L.S. & Mapper)		\$80.00	\$0.00
21 Senior Project Manager	40	\$135.00	\$5,400.00
22 Senior Member		\$200.00	\$0.00
23 Senior Project Engineer	0	\$85.00	\$0.00
24 Project Manager II		\$100.00	\$0.00
25 Technician II		\$65.00	\$0.00
26 Project Manager III		\$115.00	\$0.00
29 Technician I		\$55.00	\$0.00
30 Transportation Planner		\$70.00	\$0.00
32 Senior Field Representative		\$65.00	\$0.00
41 Survey Field Crew Supervisor		\$75.00	\$0.00
42 Survey Party - 2 Person		\$85.00	\$0.00
43 Survey Party - 3 Person		\$105.00	\$0.00
44 Survey Party - 4 Person		\$125.00	\$0.00
TOTAL HOURS	80		
TOTAL DOLLARS			\$9,000.00

REIMBURSABLE EXP.:	EST. COST	RELATED PRINT NO.
SUBCONSULTANT A	\$	
SUBCONSULTANT B		
SUBCONSULTANT C		
SUBCONSULTANT D		
PERMIT FEES		
TRAVEL		
EQUIPMENT/SUPPLIES		
PRINTS & GRAPHICS		
Misc. Including but not limited to Plotting, Shipping, Tolls & Parking		
A. TOTAL REIMBURS EXP.		

**DIRECT EXPENSES:**

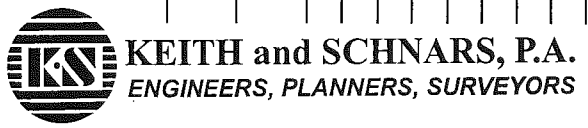
- SUBCONSULTANT A
- SUBCONSULTANT B
- SUBCONSULTANT C
- SUBCONSULTANT D
- BLUEPRINT/REPROS
- PERMIT FEES
- MEALS
- EQUIPMENT/SUPPLIES

**B. TOTAL DIRECT EXPENSES**

**C. TOTAL DIRECT LABOR**

**TOTAL BUDGET**  
 (A+B+C)

PREPARED BY: RG  
 APPROVED BY: T. Hall  
 BEGINNING DATE:  
 ENDING DATE:



TASK NO.: 05014  
 Amd #10 Meetings & RFL's 8.06

DEPT. CODE: 05

EXHIBIT 'A'

Page A-4

CLASSIFICATION	TASK HOURS	HOURLY RATE	PROPOSAL DOLLARS
Proposal Preparation			
02 Admin. Asst.		\$40.00	\$0.00
04 Community Liaison		\$60.00	\$0.00
06 CADD Operator	0	\$65.00	\$0.00
07 Scientist II	0	\$75.00	\$0.00
08 Economic/Financial Analyst		\$75.00	\$0.00
09 Scientist I	0	\$60.00	\$0.00
11 Graphic Designer	0	\$60.00	\$0.00
12 Landscape Architect (RLA)	0	\$85.00	\$0.00
13 Field Representative	0	\$55.00	\$0.00
14 Landscape Architect (LA)	0	\$65.00	\$0.00
15 Planner (AICP)	0	\$75.00	\$0.00
16 Associate Planner	0	\$60.00	\$0.00
17 Project Engineer/Designer	0	\$75.00	\$0.00
18 Project Manager I		\$90.00	\$0.00
19 Professional Engineer (P.E.)		\$95.00	\$0.00
20 Prof. Land Surveyor (P.L.S. & Mapper)		\$80.00	\$0.00
21 Senior Project Manager		\$135.00	\$0.00
22 Senior Member		\$200.00	\$0.00
23 Senior Project Engineer	24	\$85.00	\$2,040.00
24 Project Manager II		\$100.00	\$0.00
25 Technician II		\$65.00	\$0.00
26 Project Manager III	56	\$115.00	\$6,440.00
29 Technician I		\$55.00	\$0.00
30 Transportation Planner		\$70.00	\$0.00
32 Senior Field Representative		\$65.00	\$0.00
41 Survey Field Crew Supervisor		\$75.00	\$0.00
42 Survey Party - 2 Person		\$85.00	\$0.00
43 Survey Party - 3 Person		\$105.00	\$0.00
44 Survey Party - 4 Person		\$125.00	\$0.00
TOTAL HOURS	80		
TOTAL DOLLARS			\$8,480.00

REIMBURSABLE EXP.:	EST. COST	RELATED PRINT NO.
SUBCONSULTANT A	\$	
SUBCONSULTANT B		
SUBCONSULTANT C		
SUBCONSULTANT D		
PERMIT FEES		
TRAVEL		
EQUIPMENT/SUPPLIES		
PRINTS & GRAPHICS		
Misc. Including but not limited to Plotting, Shipping, Tolls & Parking		
A. TOTAL REIMBURS EXP.		

**DIRECT EXPENSES:**

SUBCONSULTANT A  
 SUBCONSULTANT B  
 SUBCONSULTANT C  
 SUBCONSULTANT D  
 BLUEPRINT/REPROS  
 PERMIT FEES  
 MEALS  
 EQUIPMENT/SUPPLIES

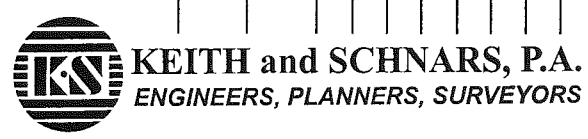
B. TOTAL DIRECT EXPENSES

C. TOTAL DIRECT LABOR

**TOTAL BUDGET** (A+B+C) \$8,480.00

T&M (N.T.E.)

PREPARED BY: RG DATE: 01/10/12  
 APPROVED BY: T. Hall DATE: 01/10/12  
 BEGINNING DATE:  
 ENDING DATE:



PROJECT NAME: Imperial Point Large Water Main  
 PROJECT NO.: 16724-70-11720

WORK AUTHORIZATION NUMBER 16724.70.

Project Manager: Tim Hall, P.E.  
 Line Manager: Roberto Goncalves

KEITH and SCHNARS, P.A.  
 ENGINEERS-PLANNERS-SURVEYORS  
 PROJECT SUMMARY SHEET

TASK NO.: 22009  
 TASK NAME: Amd 10 Water Main Asbultis 8.07

DEPT. CODE: 22

EXHIBIT 'A'

Page A-5

CLASSIFICATION	TASK HOURS	HOURLY RATE	PROPOSAL DOLLARS
Proposal Preparation			
02 Admin. Asst.		\$40.00	\$0.00
03 Scientist III		\$85.00	\$0.00
04 Community Liaison		\$60.00	\$0.00
06 CADD Operator		\$65.00	\$0.00
07 Scientist II		\$75.00	\$0.00
08 Economic/Financial Analyst		\$75.00	\$0.00
09 Scientist I		\$60.00	\$0.00
11 Graphic Designer		\$60.00	\$0.00
12 Landscape Architect (RLA)		\$85.00	\$0.00
13 Field Representative		\$55.00	\$0.00
14 Landscape Architect (LA)		\$65.00	\$0.00
15 Planner (AICP)		\$75.00	\$0.00
16 Associate Planner		\$60.00	\$0.00
17 Project Engineer/Designer/Field Crew Supervisor	8	\$75.00	\$600.00
18 Project Manager I		\$90.00	\$0.00
19 Professional Engineer (P.E.)		\$95.00	\$0.00
20 Prof. Land Surveyor (P.L.S. & Mapper)	12	\$80.00	\$960.00
21 Senior Project Manager		\$135.00	\$0.00
22 Senior Member		\$200.00	\$0.00
23 Senior Project Engineer		\$85.00	\$0.00
24 Project Manager II		\$100.00	\$0.00
25 Technician II	60	\$65.00	\$3,900.00
26 Project Manager III		\$115.00	\$0.00
29 Technician I		\$55.00	\$0.00
30 Transportation Planner		\$70.00	\$0.00
32 Senior Field Representative		\$65.00	\$0.00
36 Permit Coordinator		\$60.00	\$0.00
42 Survey Party - 2 Person	60	\$85.00	\$5,100.00
43 Survey Party - 3 Person	40	\$105.00	\$4,200.00
44 Survey Party - 4 Person		\$125.00	\$0.00
TOTAL HOURS	180		
TOTAL DOLLARS			\$14,760.00

REIMBURSABLE EXP.: EST. COST RELATED PRINT NO.

SUBCONSULTANT A

SUBCONSULTANT B

SUBCONSULTANT C

SUBCONSULTANT D

PERMIT FEES

TRAVEL

EQUIPMENT/SUPPLIES

PRINTS & GRAPHICS

A. TOTAL REIMBURS EXP. \$0.00

DIRECT EXPENSES:

SUBCONSULTANT A

SUBCONSULTANT B

SUBCONSULTANT C

SUBCONSULTANT D

BLUEPRINT/REPROS

PERMIT FEES

MEALS

EQUIPMENT/SUPPLIES

B. TOTAL DIRECT EXPENSES

C. TOTAL DIRECT LABOR \$14,760.00

TOTAL BUDGET (A+B+C) \$14,760.00

PREPARED BY: R. Krisak

APPROVED BY: R. Krisak

