# JOB ORDER CONTRACT – JOC 16-037, JOC 16-038 AND JOC 16-039

FOR FACILITIES - MINOR CAPITAL OUTLAY PROJECTS

### MANDATORY PRE-BID CONFERENCE

10:30 a.m., Wednesday, February 3, 2016

California Polytechnic State University
San Luis Obispo



# THIS IS THE START OF THE MANDATORY FIRST PRE-BID CONFERENCE. MAKE SURE YOU SIGN THE ATTENDANCE SHEET OR YOU WILL NOT BE ELIGIBLE TO BID.



# INTRODUCTIONS

#### **Cal Poly Assoc. Director of Minor Projects:**

Michael Brennan <a href="mgbrenna@calpoly.edu">mgbrenna@calpoly.edu</a>

**JOC Bid Coordinator:** 

• Tina Flack <u>cflack@calpoly.edu</u>

Cal Poly Strategic Business Support Services/Contracts & Procurement:

Michele Winterfeldt
 mwinterf@calpoly.edu

**Gordian Group:** 

• Tyler Benson <u>t.benson@thegordiangroup.com</u>

**Contractors** 

**Other Attendees** 



# **GENERAL**

(TINA)

#### **Information for Contractors Bidding (handout)**

- JOC 16-037 (max \$3 million)
- JOC 16-038 (max \$3 million)
- JOC 16-039 (max \$1 million)

#### **Prequalification Requirements**

- Must be prequalified with the Trustees; register and log in to "PlanetBids"
- http://www.calstate.edu/cpdc/cm/contractor\_prequal\_bidders.shtml
- Online application must be submitted and received at least 10 business days
  prior to the date for opening bids and be approved not less than one business
  day prior (CGC Article 2.02).
- Available prequalification rating 100% of maximum amount of the Job Order Contract
- Refer to CSU website for more information



# **GENERAL**

(TINA / MICHAEL)

#### **Supplementary Prequalification Requirements (Form 703.11-JOC)**

- JOC 16-037 and JOC 16-038 (max \$3mill)
  - Five (5) public works projects in California performed concurrently and completed in past five (5) years, each minimum \$200,000
  - Completed one (1) public works JOC in California in past five (5) years, actual amount
    of at least 80% of the max possible contract value and not less than \$2 million
- JOC 16-039 (max \$1mill)
  - Five (5) projects in California performed concurrently and completed in past five (5) years, each minimum \$200,000, at least one (1) for public agency
  - May not have a current Job Order Contract or intent to award a Job Order Contract with Cal Poly, San Luis Obispo
- Request form 703.11-JOC from Bid Coordinator (<u>cflack@calpoly.edu</u>)
- Submit form at least 10 business days prior to the date for opening bids to the Prequalification Coordinator at the CSU Chancellor's Office
- Project specific Prequalification Letter



# Information regarding Certified Payroll and requirements for Prevailing Wage Rates

- Refer to Contract General Conditions Article 4.01 Laws to be Observed--Generally, Article 4.02 Laws to be Observed--Regarding Labor, Supplementary General Conditions & Special Conditions.
- This is a public works project, subject to prevailing wage rate laws.
- Public Works Contractor Registration
  - All contractors and all tiers of subcontractors bidding on this project shall register to bid public works projects with the DIR, and maintain current this registration pursuant to Labor Code Section 1725.5
  - http://www.dir.ca.gov/Public-Works/PublicWorks.html
- Contracting parties subject to examination and audit at any time during construction and for a period of 3 years after final payment, includes access to Contractor and subcontractor accounting records.



(TINA)

# Information regarding Certified Payroll and requirements for Prevailing Wage Rates (continued)

- Contractor shall monitor its subcontractors' compliance with the prevailing wage law.
- Contractor and subcontractors shall keep accurate payroll record in accordance with Division of Labor Standards Enforcement – upon written notice, Contractor file with requesting entity a certified copy of payroll records within 10 days; subject to penalties.
- Submit minimum 1<sup>st</sup> week's CPR for contractor and all subcontractors for each job order.
- Supplementary General Conditions, Item 29 Department of Industrial Relations determinations
  - http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm



#### **Insurance and Bond Requirements**

- Bid Security \$25,000 (CGC Article 2.05.C)
- Payment & Performance Bonds Equal to 100% of awarded contract price (CGC Article 3.03)
- Insurance due 10 days after agreement is delivered to Contractor, including Haz Mat sub-contractor (CGC and SGC Article 4.06)

#### **SB/DVBE Brief Overview**

- CA Certified Small Business Advantage 5% up to \$50,000 max (CGC and SGC Article 2.10)
- Preference for Non-Small Businesses For a non-small business to receive preference must commit to subcontracting at least 25% of the total aggregate dollar value of all Job Orders under the Contract to California Certified Small Business or Microbusiness.



# **GENERAL**

(MICHELE)

#### **SB/DVBE Brief Overview (continued)**

- DVBE Mandatory 3% participation for Disabled Veteran Business Enterprises (SGC Article 2.12 and CGC Article 5.05-E)
  - Required documentation: DVBE Compliance Form (DVBE-C), DVBE Transmittal Form, Summary of DVBE Participation (Attachment 1), Bidder's Certification (Attachment 2), DVBE Declaration STD 843
- DVBE Bid Incentive
  - SGC Article 2.12
  - Exceed 3% DVBE participation requirement

DVBE Participation	Incentive
3.00% to 3.99%	None
4.00% to 4.99%	1%
5.00% to 5.99%	2%
6% or more	3%

- http://www.bidsync.com/DPXBisCASB
- http://www.dgs.ca.gov/pd/Programs/OSDS/GetCertified.aspx



# **GENERAL**

(MICHAEL)

#### **Hazardous Materials: Mold**

Gordian Task Book, CSI Division 02 80 Facility Remediation, 02 85 Mold Remediation

#### **Hazardous Materials: Asbestos/Lead**

Effective January 1, 2015, CSLB Classification C-22 – Asbestos Abatement Contractor

#### **Emergency Changes**

Contract General Conditions 6.11 and 7.02

#### **Professional Services**

Architecture and Engineering

#### **Division One**

#### **Environmental Requirements**

Contract General Conditions 4.03

#### **Construction Waste and Recycling**

- Division One, Section 01505, Construction Waste Management
- Diversion Goals, Reporting, Sample Forms



# SOME SPECIAL CONDITIONS

(MICHAEL)

#### JOC 16-037 and JOC 16-038

- Minimum Value of the Contract \$50,000
- Maximum Value of the Contract \$3,000,000

#### **JOC 16-039**

- Minimum Value of the Contract \$25,000
- Maximum Value of the Contract \$1,000,000

Minimum Value of individual Job Orders - No minimum

Maximum Value of individual Job Orders – currently at \$634,000

SUAM definition of Minor Capital Outlay or less

**Maximum Duration of the contract – 365 Calendar Days** 

**Liquidated Damages – Contract General Conditions 8.02** 



# SOME SPECIAL CONDITIONS

(MICHAEL)

#### **Adjustment Factors**

**CAMPUS WORK** (excluding Marine Science Education and Research Center (Pier))

- 1. Daytime 7:00 am to 5:30 pm Monday through Saturday \*\*
- 2. Nighttime 5:31 pm to 6:59 am Monday through Saturday
- 3. Premium time Sunday and legal holidays

#### **PIER WORK**

- 4. Daytime 7:00 am to 5:30 pm Monday through Saturday
- 5. Nighttime 5:31 pm to 6:59 am Monday through Saturday
- 6. Premium time Sunday and legal holidays

\*\* The CAMPUS WORK <u>Daytime</u> factor SHALL be <u>equal to or lower than</u> all other adjustment factors.



# SOME SPECIAL CONDITIONS

(MICHAEL)

### **Adjustment Factors – IMPORTANT**

- ✓ <u>Review</u> the CTC (Construction Task Catalog)
- Understand the CTC
- ✓ Know what to expect from your adjustment factor



#### (MICHAEL)

# **EXAMPLE**

#### HANG TWO METAL FRAMES, HINGES & METAL DOOR

		Contractor Price	1.00*	0.85*	0.70*
Frame	08 12 13 13 0065	\$296.70	\$373.60	\$317.56	\$261.52
Door	08 13 13 13 0021	\$320.35	\$556.24	\$472.80	\$389.37
Hinges	08 71 16 00 0037	\$62.57	\$64.71	\$55.00	\$45.28
	Subtotal	\$679.62	\$994.55	\$845.36	\$696.17
	Labor 2.5 hrs	\$126.85	incl.	incl.	incl.
	10% Overhead	\$80.65	incl.	incl.	incl.
	Total	\$887.12	\$994.55	\$845.36	\$696.17

#### \*Generally included in CTC prices:

- > Labor prevailing wage
- Equipment
- Materials
- Delivery
- Unloading
- Moving materials
- Home office (overhead)
- Insurance
- > Bonds
- > Project meetings
- Management
- > Supervision
- Mobilization
- > Project close out
- > Project office, staff & equipment
- > Tax



Sect.	Item	Mod. UOM	Description		Labor	Equipment	Material	Line	Tota
02 - Site Work									
02 41 19 16	0041	SF	Demo 6" Thick Reinforced Concrete Interior Partition/V	Vall	,344.24	\$351.37	\$0.00		695.6
C	ns 16	8 Hallation	Quantity 670:00 x	Unit Price \$8.82	x	Factor 0.7946	\$4,6	Total 95.61	
02 - 41		Demo concr	ete at curb, bush hammer, u/	-		an H	+ DOCK		
02 41 19 16	0048	-0009 F2 SF	Demo Wood Or Metal Fram Interior Partition/Wall With Drywall 2 Sides		\$0.00	\$0.00	\$0.00		\$0.0
1001	C1 0 /		Quantity	Unit Price		Factor		Total	
28 × 19 =		Installation	70.0587中	\$2.71	×	0.7946	=	\$0.00	
BUT 346:								V	
02 41 19 16	0048	0029	For Heights > 14' To 20', Ad		\$390.94	\$0.00	\$0.00		390.9
54.7		Installation	1,290,00 × 32	Unit Price \$0.41	×	Factor 0.7946	= \$:	Total 390.94	
02 41 19 16	0049	(wall st	Demo Wood Or Metal Fram Interior Partition/Wall With Plaster And Lath 1 Side		6,625.77	\$57.21	\$0.00	\$5,	682.9
	Vic		Quantity Quantity	Unit Price		Factor	-	Total	
1	10	Installation	2,400.00 x	\$2.98	×	0.7946	= \$5,	582.98	
10		interior wall	demo including selective wal	i demo					
02 82 00 00	0018	EA	Glove Bag For First 3 LF Pi Insulation, Asbestos Abater And Disposal	ment	\$442.51	\$14.60	. \$0.00		457.
1		Installation	Quantity 1.00 x	Unit Price \$575.28	×	Factor 0.7946	= \$c	Total 457.12	
02 83 19 13	0103	SF	Metal Siding, Demolition Of		\$0.00	\$0.00	\$0.00	107.112	\$0.
785 13	-34-23	-13-0029	Quantity Quantity	Unit Price		Factor		Total	
32× 16 =	=512t	Installation	0.00 x	\$1.23	×	0.7946	=	\$0.00	
02 83 19 13	0109	SF	Windows, Demolition Of Le Contaminated Material	ad	\$0.00	\$0.00	\$0.00		\$0.
			Quantity	Unit Price		Factor	_	Total	
		Installation	0.00 x	\$11.08	х	0.7946	=	\$0.00	
02 83 19 13	0114	SF	Ceramic Tile, Walls Or Floo Demolition Of Lead Contaminated Material		\$0.00	\$0.00	\$0.00		\$0.
		Installation	Quantity 0.00 x	Unit Price \$2.70	×	Factor 0.7946	=	Total \$0.00	
Subtotal for 02 -	Site Work	:						\$11,7	22.
03 - Concrete									
03 11 13 00	0087	LF	3/4" Wide Chamfer Strips f Concrete Formwork, All Materials		\$69.13	\$0.48	\$7.63		\$77.
SNEN	DIES	A I Guesa llation	Quantity 60.00 x	Unit Price \$1.62	x	Factor 0.7946		Total \$77.24	
03 21 11 00	0002	TON	Grade 40 Reinforcing Stee Footings And Slabs, #3-#6	, \$	1,084.76	\$4.97		\$1,	,781.
100	a	Installation	Quantity 1:00 x	Unit Price \$2,242.34	×	Factor 0.7946	= \$1.	Total 781.76	



# TYPES OF PROJECTS THAT HAVE BEEN DONE IN THE PAST

(MICHAEL)

**Seal cracks in parking structure** 

**Painting projects** 

Removal of walls

Install new door in existing walls

Roof repairs

**Electrical work** 

**Concrete work** 

Lead and asbestos work in almost everything

**HVAC** work

Complete renovation of classrooms and lab spaces



## **BUILDING INSPECTION**

(MICHAEL)

# Minimum (24) hours notice University Inspectors for Facilities

#### Mike Hogan

805.756.7227 Office 805.471.3732 Cell 805.756.7566 Fax mhogan@calpoly.edu

#### Andy Barker

805.756.6529 Office 805.458.7953 Cell 805.756.7566 Fax abarker@calpoly.edu



# THE GORDIAN GROUP PRESENTATION

Tyler Benson, Account Manager

The Gordian Group









### JOB ORDER CONTRACTING

**BID NO. JOC 16-037** 

**BID NO. JOC 16-038** 

**BID NO. JOC 16-039** 

#### FOR FACILITIES - MINOR CAPITAL OUTLAY PROJECTS

Pre-Bid Meeting: February 3, 2016 @ 10:30AM Facilities Bldg. 70, Room 110, Cal Poly, San Luis Obispo





### PRE-BID MEETING AGENDA

- JOC Overview
- JOC Contract Documents
- JOC Process
- Solicitation Details
- Understanding the Construction Task Catalog® (CTC)
- Calculating the Bid
- Contractor Adjustment Factors
- Bid Considerations & Review
- Risk of Low Adjustment Factors
- Review/Keypoints





#### **JOC OVERVIEW**

- A Job Order Contract Is a Firm, Fixed Priced, Competitively Bid, Indefinite Quantity Contract
  - JOC Is Designed to Accomplish Small-medium Size, Multi-trade, Minor Construction, Repair and Remodel Projects
  - JOC Is a Series of Individual Projects Issued As Job Orders Under the Base Contract
  - A Fundamentally Different Construction Procurement Relationship
    - Performance-Based Contract
    - Non-adversarial relationship between Owner & Contractor
- JOC Introduced in the United States in 1985
  - Dept. of Defense, USPS, NASA, etc.
- Implemented by states, counties, cities, universities, housing authorities, etc. since 1990
- Hundreds of contracts currently in use
- Over \$1.4 Billion in construction placed annually through Gordian JOC systems





### JOC IS AN UMBRELLA CONTRACT





# JOC OVERVIEW – CONTRACTOR BENEFITS

- Why JOC Works for Contractors
  - Good work is rewarded with more work
    - Profit is a function of volume
    - Volume is driven by performance
    - JOC provides a steady flow of work
    - Do not have to chase the next project
  - Long-term relationship with the CSU Cal Poly
    - Develop partnership with the CSU Cal Poly
  - Reduced Risk
    - Payment for every element of work performed
    - Ability to provide input during scope development





### JOC OVERVIEW

- Why JOC Works for CSU Cal Poly
- A Fixed Priced, Fast Track Procurement Process
  - Job Orders are Lump Sum
  - The Ability to Accomplish a Substantial Number of Individual Projects with a Single Competitively Bid Contract
  - On-Call Contractors Ready to Perform a Series of Projects at Different Locations for Competitively Bid Prices
    - Contractor Has A Continuing Financial Incentive To Provide
      - Responsive Services
      - Accurate Proposals
      - Quality Work on Time
      - Timely Close Out
    - Future Purchase Orders Tied to Contractor Performance
      - No Obligation To Award Specific Projects
      - CSU Cal Poly Can Use All Other Methods For Accomplishing Projects





### JOC CONTRACT DOCUMENTS

- Front End Documents
- Construction Task Catalog®
- Technical Specifications





### JOC PROCESS - HOW IS JOC BID?

- Award Based on Competitive Bid
  - Must Bid 6 Adjustment Factors (AF)
    - Campus Work (3 Adjustment Factors)
      - Daytime Working Hours: 7:00 am to 5:30 pm Monday to Saturday\*\*
      - Nighttime Working Hours: 5:31 pm to 6:59 am Monday to Saturday
      - Premium Working Hours: Midnight to 11:59 pm Sundays and legal holidays
    - Pier Work (3 Adjustment Factors)
      - Daytime Working Hours: 7:00 am to 5:30 pm Monday to Saturday
      - Nighttime Working Hours: 5:31 pm to 6:59 am Monday to Saturday
      - Premium Working Hours: Midnight to 11:59 pm Sundays and legal holidays
  - Adjustment Factors Apply to All Tasks in the CTC
  - Each Adjustment Factor is Weighted to Create an Award Criteria Figure
  - Lowest Award Criteria Figure From a Responsive, Responsible Bidder Wins!
  - \*\*NOTE: Campus Daytime Working Hours AF shall be equal to or lower than all other adjustment factors





### PROCESS - HOW IS WORK DONE?



- Joint Scope Meeting With the CSU Cal Poly, Contractor, and Others to define the Detailed Scope of Work
- The CSU Cal Poly Issues Request for Proposal for the Agreed Upon Detailed Scope of Work
- Proposal Development
  - Typical Proposal Due Date will be 2 weeks from RFP
- Proposal Review
- Issuance of Job Order
- Total Time Goal: Average 3-5 weeks





### SOLICITATION DETAILS

- Prior to Bidding the CSU Cal Poly Cannot
  - Identify or Commit to any Specific Project or Location
  - Identify or Commit to any Specific CTC Tasks or Quantities

Contract	Contract Type	Maximum Contract Duration (Years)	Minimum Contract Value	Maximum Not- to-Exceed Contract Value	Payment & Performance Bonding (Each)	Bid Security
JOC 16-037	General Construction, B	1	\$50,000	\$3,000,000	\$3,000,000	\$25,000
JOC 16-038	General Construction, B	1	\$50,000	\$3,000,000	\$3,000,000	\$25,000
JOC 16-039	General Construction, B	1	\$25,000	\$1,000,000	\$1,000,000	\$25,000



### SOLICITATION DETAILS

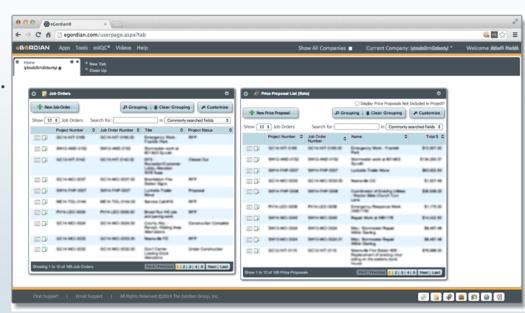
- Differing Site Conditions or Changes in Scope
  - Priced from Construction Task Catalog<sup>®</sup>
  - Supplemental Job Order
  - No Negotiated Change Orders
- Filings and Permits
  - Fees paid for all Permits reimbursed 100% No Markup
- Liquidated Damages
  - On a Job Order by Job Order basis
  - Sliding Scale Based on Job Order Value





### EGORDIAN® SOFTWARE ACCESS

- Access to eGordian<sup>®</sup>, Construction Task Catalog<sup>®</sup>, other proprietary materials
  - Most advanced technology and data in the marketplace.
  - Paperless
  - Efficient
  - Tasks and prices input directly... no fishing through old files and estimating books for costs
- JOC process training
- eGordian software training
- 24-hour support software support.







# UNDERSTANDING THE CONSTRUCTION TASK CATALOG®

- Contractor must review and understand "Using the Construction Task Catalog®"
- Rules of the game
- Make sure you get paid for all appropriate tasks
- Pages 00 1 to 00-8 of the CTC
- The Unit Prices Include
  - Complete and In-place Construction
  - The Adjustment Factors Include: Overhead, Profit, Sub Costs, Taxes, Fringe Benefits, Financing, Business Risk
  - Construction Related Costs:

     Permit Services, Submittal
     Preparation, Incidental A&E,
     Vehicles, Temporary Utilities,
     Excess Waste,, Daily & Final
     Clean-up, Etc.

#### GROUP'

#### **GTG Information**

- Iff This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for Call Poly Fechnical at San Luis Obispo, priced locally using current labor, material and equipment costs, and published in Jenuary 2018.
- If The Gordian Group, Inc. licenses the use of this CTC and other preprietary information and software for the sole purpose of provising Job Order Contracting services to Call Poly Technical at San Luis Oblego. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

#### Masterformat Total

The tasks in this Construction Task Catalog are organized using CSI's MesterFormet.



Macentramouthis produced bettly by CST and Construction fluction parties between CST of the Security of the Security Constitute suppright by CST, and Rights Reserved. For fourness and common constitution of the security of the construction of Macentramouth of the security of the security of the Macentramouth out who blacked became and the security of the Macentramouth out who blacked became and the security of the Macentramouth of the security of security of

#### The Unit Prices Include

#### LABOR COSTS:

- Si Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 shorles and 125 to reach the project also, layout, measuring and cutting to fit, performing the task, disposal of excess material, and time for lunch and legals.
- Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including tringe benefits and an allowance for Social Security and Medicare taxes, worker's January 2019.

Cal Poly, Sen Luis Obispo - JOC 16437, JOC 16438, And JOC 16439

#### Using The Construction Task Catalog®

- compensation, unemployment insurance and employee benefits.
- Ed Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

#### **EQUIPMENT COSTS:**

- E Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranss, pile drivers, buildicares, excavators, becknoes, bobcats etc.), which exclude mobilization.
- Equipment costs include all operating expenses such as fuel, electricity, lubricents, etc.

#### MATERIAL COSTS:

- Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- Material costs include manufacturer's and/or fabricator's shop drawings.
- Material costs for roofing, drywal, VCT, carpet, wall covering, celling sile, pipe, condut, concrete, etc. include an allowence for weste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and welching.

#### Complete and in Place Construction:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- 55 If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as pert of the delivery process) to lift material onto a roof, even if that roof is less than

may girl © 20 M The Golden-Group, Inc.

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# GORDIAN JOC SOLUTIONS

### NON PRE-PRICED TASKS

- Contractor must have permission from the CSU Cal Poly to use a Non Prepriced Task prior to submission
- Three (3) Quotes on vendors' or subcontractors' letterhead
- Justification for less than three (3) Quotes
- The final price submitted for non pre-priced tasks shall be according to the following formula:
- Contractor Performed Duties
  - A = Direct labor cost and fringe benefits per prevailing wage rates
  - B = Direct material costs (supported by quotes)
  - C = Direct equipment costs (supported by equipment amortization data)
  - D = Allowable overhead costs = A x 55% (this includes Worker's Compensation insurance)
  - $E = Allowable profit = (A + B + C) \times 10\%$

(Continued on the next slide)





### NON PRE-PRICED TASKS CONTINUED

- Subcontractor Performed Duties
  - G = Contractor's allowance for subcontractor cost =  $F \times 5\%$
  - H = Contractor's overhead for subcontractor cost in accordance with the following schedule:
    - F x 0% for NPP tasks < 10% of total Work Order Value
    - F x 7% for NPP tasks 10-20% of total Work Order Value
    - F x 10% for NPP tasks > 20% of total Work Order Value
- Total Cost of Non Pre-Priced Task = A + B + C + D + E + F + G + H



# METHODS TO CALCULATE BID – ADJUSTMENT FACTORS

#### **Recommended Method**

- Use Historical Project Data
  - Select a Completed Project
    - You Know Scope and Direct Costs
  - Price Project From CTC
  - Add on Overhead and Profit
  - Calculate the Adjustment Factor

#### **Alternative Method**

- Create a Representative Project
  - Create a Scope of Work
  - Get Sub Quotes or Estimate Cost
  - Price Project From CTC
  - Add on Overhead and Profit
  - Calculate the Adjustment Factor





# SAMPLE PROJECT - DETAILED SCOPE OF WORK

- Dormitory Renovation
  - Doors and Hardware
    - Replace 12 interior doors, hinges and hardware
    - Doors shall be 3x7, solid core wood doors
    - Grade 2 locksets with knobs
    - Replace 2 push bar exist devices and door closers on exit doors
  - Interior Lighting
    - Replace all lay-in troffer fixtures on first and second floors. 48 in total
    - Replace 4 exit fixtures
    - Replace 12 industrial fixtures in shop area
  - Plumbing Fixtures
    - Replace 8 bathroom sinks, 8 faucets, and 8 toilets in men's and women's bathroom in admin building and shop area
    - Replace 4 water fountains
  - Replace Boiler
    - Demo existing boiler and as much piping and venting to accommodate new boiler. Install a new 1028 mbh oil fired cast iron boiler. Weil-McLain Model 88. No access for packaged boiler. Must field assemble sections. Provide new piping as required.
  - Normal Working Hours Apply





# SAMPLE PROJECT – CTC PRICE VS. QUOTES

# Direct Cost of Work from CTC

• Replace Boiler \$ 48,911.43

• Doors and Hardware \$ 9,748.46

• Lighting \$ 15,845.00

• Plumbing \$ 14,986.76

TOTAL = \$89,491.65

#### **Direct Cost of Work from Quotes or Estimates**

• Replace Boiler \$ 47,500.00

Doors and Hardware \$ 9,250.00

Lighting \$ 16,750.00

Plumbing \$ 12,500.00

TOTAL = \$89,000.00





# SAMPLE PROJECT – PUTTING IT ALL TOGETHER

A.	<b>Direct Cost</b>	of Work from Q	uotes	\$89,000.00
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Adjustment Factor (= E / F) = 1.2034

<sup>\*</sup>Sample Only. Contractor to determine O/H & Profit. Prepare this calculation for more than one sample project.





### FILLING OUT THE BID FORM

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#### **Bid Forms**

**Schedule of Prices:** The undersigned agrees to perform all work required, necessary, proper for, or incidental to completing the work called for in each individual Delivery order issued under this Delivery Order Contract using the Construction Task Catalog (CTC) and Technical Specifications incorporated herein with the following adjustment factors:

**Daytime Working Hours** Undersigned shall perform any or all functions called for during normal working hours in the quantities specified in individual delivery orders against this contract for the unit price sum specified in the construction Task Catalog (CTC) multiplied by the adjustment factor of:

1 . 2 0 3 4
(Specify to four (4) decimal places)

Nighttime Working Hours Undersigned shall perform any or all functions called for during other than normal working hours in the quantities specified in individual delivery orders against this contract for the unit price sum specified in the Construction Task Catalog (CTC) multiplied by the adjustment factor of:

> 1 \_ . 2 5 0 0 (Specify to four (4) decimal places)

**Premium Working Hours** Undersigned shall perform any or all functions called for during premium working hours in the quantities specified in individual delivery orders against this contract for the unit price sum specified in the construction Task Catalog (CTC) multiplied by the adjustment factor of:

1 . 2 9 0 0 (Specify to four (4) decimal places)

\* Sample only



**BUY SMART. BUILD BETTER.** 



### FILLING OUT THE BID FORM

#### AWARD FORMULA

Line 1.	Daytime Campus	<b>Working Hours</b>	Adjustment Factor
---------	----------------	----------------------	-------------------

- Line 2. Multiply Line 1 by (90) %
- Line 3. Night Time Campus Working Hours Adjustment Factor
- Line 4. Multiply Line 3 by (5) %
- Line 5. Premium Campus Working Hours Adjustment Factor
- Line 6. Multiply Line 5 by (3) %
- Line 7. Daytime Pier Working Hours Adjustment Factor
- Line 8. Multiply Line 7 by (1) %
- Line 9. Night Time Pier Working Hours Adjustment Factor
- Line 10. Multiply Line 9 by (.5) %
- Line 11. Premium Pier Working Hours Adjustment Factor
- Line 12. Multiply Line 11 by (.5) %
- Line 13. Add Lines 2, 4, 6, 8, 10, 12 (weighted, composite bid)

JOC 16-037. Bid Proposal Form Basis of Contract Award: The award formula below is an integral part of this proposal, and to be responsive, the bidder shall quote for the total works on the previous page, and also shall complete the award formula BE SURE THAT YOUR FIGURES RECORDED ON THE PREVIOUS PAGE ARE ACCURATELY AND PROPERLY LISTED BELOW. Award Formula (Specify in lines 1 through 13 below to 4 decimal places) Line 1. Daytime Working Hours Adjustment Factor \*Line 1 MUST be equal to or lesser than ALL other Adjustment Factors appearing on lines 3, 5, 7, 9, and Line 2. Multiply Line 1 by 90% (x 0.90) Nighttime Working Hours Adjustment Factor Line 4. Multiply Line 3 by 5% (x 0.05) Premium Working Hours Adjustment Factor Line 6. Multiply Line 5 by 3% (x 0.03) Line 7. Daytime Working Hours Adjustment Factor Line 8. Multiply Line 7 by 1% (x 0.01) Nighttime Working Hours Adjustment Factor Line 10. Multiply Line 9 by 0.5% (x 0.005) Premium Working Hours Adjustment Factor Line 12. Multiply Line 11 by 0.5% (x 0.005) Line 13 Add Lines 2 and 4 and 6 and 8 and 10 and 12 The total weighted, composite Adjustment Factor bid for this contract:

\* Sample only



BUY SMART. BUILD BETTER.



### **BID CONSIDERATIONS**

- Contractors Should Expect To
  - Prepare incidental drawings or sketches for some projects
    - Justify Quantity Calculations
    - Explain Detail of Work
  - Prepare proposals for some projects that may be canceled
  - Margins on CTC tasks vary
  - Some projects are more profitable than others
  - Maintain a fully functioning office
  - Maintain a fully functioning staff
  - Hold required licenses
  - Meet participation goals





#### CONTRACTOR ADJUSTMENT FACTOR

- Importance of Adjustment Factors
  - Determines winning bidder AND
  - Used to price individual Job Orders
  - Price proposal total becomes the lump sum Job Order amount

```
UNIT PRICE × QUANTITY × ADJUSTMENT FACTOR = TOTAL FOR TASK

UNIT PRICE × QUANTITY × ADJUSTMENT FACTOR = TOTAL FOR TASK

UNIT PRICE × QUANTITY × ADJUSTMENT FACTOR = TOTAL FOR TASK
```

TOTAL JOB ORDER PRICE



### RISKS OF LOW ADJUSTMENT FACTOR

- Leads to Arguments in Proposal Review
  - Unsupportable Tasks
  - Exaggerated Quantities
- Leads to Delays in Job Order Development
  - Takes Longer to Review Proposals
- Creates an Adversarial Relationship
  - Reduced Volume of Work
  - Will Shorten Contract
  - Lost Profitability
- No Second Chance to Improve Margin





### **REVIEW / KEY POINTS**

- Focus on Total Potential Value of Contract
  - Maximum Contract Value
  - Evaluate Construction Task Catalog<sup>®</sup>
  - Analyze Unit Prices
  - Know the General Guidelines for Using the CTC
- Contractor Performance Drives Volume
  - Responsive Service
  - Accurate Proposals
  - Safe and Clean Project Sites
  - High Quality Construction
  - On-Time Completion
  - On-Time Close Out



# **IMPORTANT REMINDERS**

(TINA)

#### **Prequalification**

- Deadline to submit online application on "PlanetBids" and submit forms to CSU Chancellor's Office:
  - Tuesday, February 9, 2016 (JOC 16-037 and JOC 16-038)
  - Wednesday, March 9, 2016 (JOC 16-039)

#### **Obtaining Bid Proposal Packages**

 Must submit <u>written</u> request specifying project number via fax or email along with copy of prequalification letter from the Chancellor's Office

#### **Asking Questions**

- Deadline to ask questions 5:00 pm
  - Friday, February 12, 2016 (JOC 16-037 and JOC 16-038)
  - Friday, March 11, 2016 (JOC 16-039)



# **IMPORTANT REMINDERS**

(TINA)

#### **Submitting a Bid Proposal Package**

- Bid Deadline BEFORE 2:00 pm
  - Wednesday, February 24, 2016 (JOC 16-037 and JOC 16-038)
  - Wednesday, March 23, 2016 (JOC 16-039)

#### **Bid Opening Location**

 Bid proposals will be publicly opened and read starting at 2:00 pm on the Bid Deadline in Facilities, Building 70, Room 114

#### **Updates posted on website**

http://www.afd.calpoly.edu/facilities/

#### **Questions?**



# END OF MANDATORY PRE-BID CONFERENCE



# JOB ORDER CONTRACT – JOC 16-037, JOC 16-038 AND JOC 16-039

FOR FACILITIES - MINOR CAPITAL OUTLAY PROJECTS

# NON-MANDATORY PRE-BID CONFERENCE

