

# University of California

## JOC Schedule of Values Review Training

October 13, 2017



# Schedule of Values Review

Job Order Contract

## Proposal Review Summary - CSI

Date: August 14, 2014  
 Work Order #: UCM-JOC-102.0  
 Title: Mondo power and data install  
 Contractor: July 2008 - UC - Merced Facilities Services  
 Proposal Value: \$4,633.67  
 Proposal Name: Mondo Cubicle Power and Data Upgrade  
 Proposal Submitted: 10/17/2008

<b>01 - General Requirements:</b>	<b>\$857.80</b>
<b>05 - Metals:</b>	<b>\$183.36</b>
<b>07 - Thermal &amp; Moisture Protection:</b>	<b>\$34.42</b>
<b>09 - Finishes:</b>	<b>\$1,015.15</b>
<b>10 - Electrical:</b>	<b>\$2,542.94</b>
<b>Proposal Total</b>	<b>\$4,633.67</b>

This proposal total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding of the line totals and sub-totals.

The Percent of NPP on this Proposal: 0.00%

Job Order Contract

## Proposal Review Detail - CSI

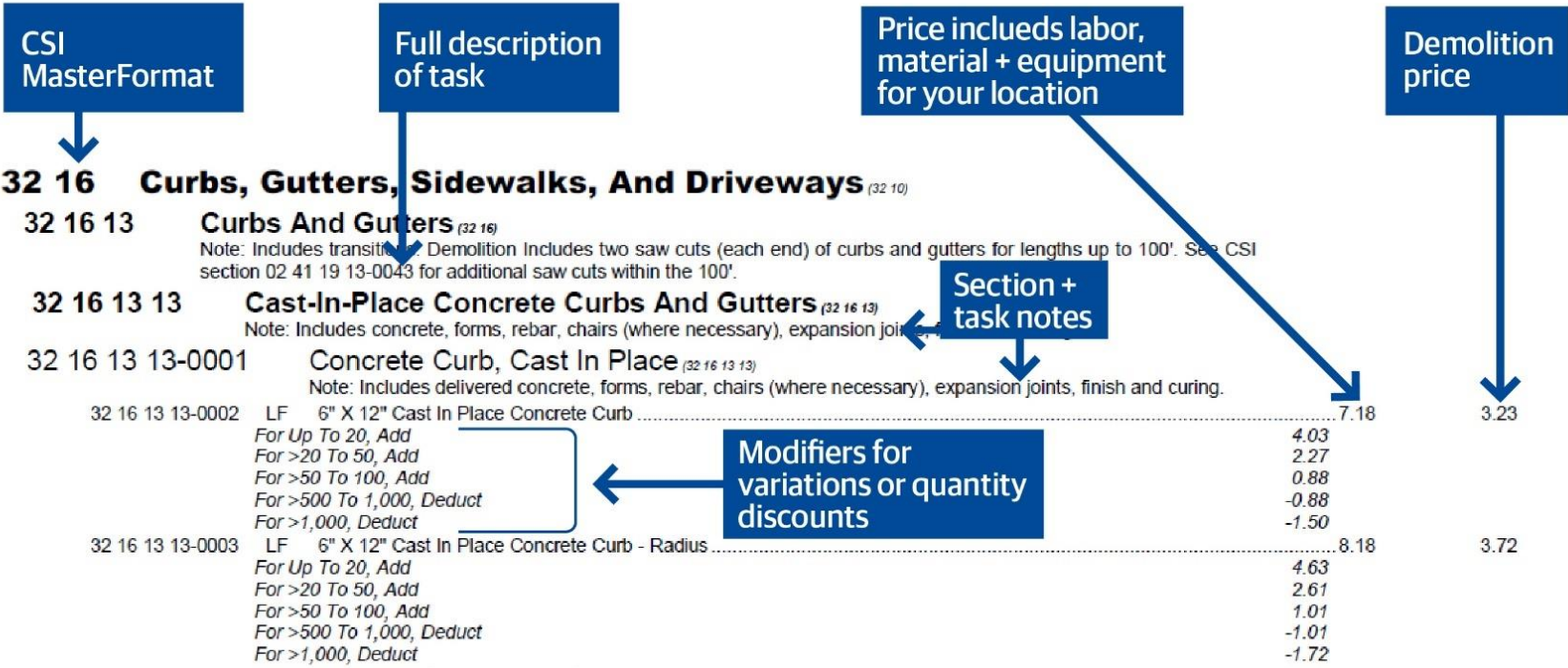
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Ref#	CSI Number	Mod.	UOM	Description	Line Total			
<b>01 - General Requirements</b>								
1	01352-0010		HR	Electrician, Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.	\$840.38			
			Quantity	Unit Price	Factor	Total		
			Installation	12.00	x	58.36	=	\$840.38
2	01740-0002		CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	\$17.42			
			Quantity	Unit Price	Factor	Total		
			Installation	1.00	x	14.52	=	\$17.42
<b>Subtotal for 01 - General Requirements:</b>					<b>\$857.80</b>			
<b>05 - Metals</b>								
3	05501-0141		EA	1/4" Diameter x 1-3/8" Long Concrete Sleeve Anchor	\$148.08			
			Quantity	Unit Price	Factor	Total		
			Installation	20.00	x	6.17	=	\$148.08
4	05501-0141	0047		For Drilling Overhead, Add	\$42.24			
			Quantity	Unit Price	Factor	Total		
			Installation	20.00	x	1.78	=	\$42.24
5	05501-0141	0052		For Quantities > 10 To 50, Deduct	\$-5.96			
			Quantity	Unit Price	Factor	Total		
			Installation	20.00	x	-0.29	=	\$-5.96
<b>Subtotal for 05 - Metals:</b>					<b>\$183.36</b>			
<b>07 - Thermal &amp; Moisture Protection</b>								
6	07840-0004		EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	\$34.42			
			Quantity	Unit Price	Factor	Total		
			Installation	2.00	x	14.34	=	\$34.42
<b>Subtotal for 07 - Thermal &amp; Moisture Protection:</b>					<b>\$34.42</b>			
<b>09 - Finishes</b>								
7	09511-0039		SF	Remove And Reinstall Acoustical Panels Only	\$120.96			
			Quantity	Unit Price	Factor	Total		
			Installation	180.00	x	0.56	=	\$120.96
8	09620-0065		SF	Paint Interior Plaster/Drywall, 1 Coat Primer, Brush/Roller Work	\$59.04			
			Quantity	Unit Price	Factor	Total		
			Installation	120.00	x	0.41	=	\$59.04
9	09620-0065	0345		For Quantities > 100 To 250, Add	\$18.72			
			Quantity	Unit Price	Factor	Total		
			Installation	120.00	x	0.13	=	\$18.72
10	09620-0067		SF	Paint Interior Plaster/Drywall, 2 Coats Paint, Brush/Roller Work	\$382.88			
			Quantity	Unit Price	Factor	Total		
			Installation	360.00	x	0.84	=	\$382.88

# Schedule of Values Review - CTC

<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>	
Unit Paving	32 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 16 Curbs, Gutters, Sidewalks, And Driveways</b> <small>(32 10)</small>		
<b>32 16 13 Curbs And Gutters</b> <small>(32 16)</small>		
<small>Note: Includes transit. Demolition includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0043 for additional saw cuts within the 100'.</small>		
<b>32 16 13 13 Cast-In-Place Concrete Curbs And Gutters</b> <small>(32 16 13)</small>		
<small>Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints.</small>		
<b>32 16 13 13-0001 Concrete Curb, Cast In Place</b> <small>(32 16 13 13)</small>		
<small>Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.</small>		
32 16 13 13-0002 LF 6" X 12" Cast In Place Concrete Curb .....	7.18	3.23
For Up To 20, Add	4.03	
For >20 To 50, Add	2.27	
For >50 To 100, Add	0.88	
For >500 To 1,000, Deduct	-0.88	
For >1,000, Deduct	-1.50	
32 16 13 13-0003 LF 6" X 12" Cast In Place Concrete Curb - Radius .....	8.18	3.72
For Up To 20, Add	4.63	
For >20 To 50, Add	2.61	
For >50 To 100, Add	1.01	
For >500 To 1,000, Deduct	-1.01	
For >1,000, Deduct	-1.72	



# Using the Construction Task Catalog<sup>®</sup>

- The Unit prices in the CTC include:
  - **Labor** –
    - Straight time prevailing wages through a working foreperson and includes fringe benefits.
    - Unloading and transporting up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
  - **Equipment** –
    - Include all equipment required to accomplish the task.
    - Mobilization is included for all equipment except large equipment
    - Include all operating expenses such as fuel, electricity, lubricants, etc.
  - **Material** –
    - Include the cost of the material delivery, and all incidentals and accessories integral to the installation.
    - Include an allowance for waste (drywall, carpet, ceiling tile, etc)
    - Imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

# Using the Construction Task Catalog<sup>®</sup>

- The Contractor's Adjustment Factors include:
  - **Business Costs** -
    - Office overhead
    - Insurance and bonding
    - Profit
    - Job Order development services
    - Subcontractor's overhead and profit
    - Cost of financing the work
    - Business risks such as:
      - Risk of a lower than expected volume of work
      - Smaller than anticipated Job Orders
      - Poor Subcontractor performance
      - Inflation or material cost fluctuations

# Using the Construction Task Catalog<sup>®</sup>

- The Contractor's Adjustment Factors include:
  - **Project Related Costs** -
    - Project trailer, equipment and supplies, and portable toilets for Contractor's use
    - Project management and project supervision
    - Services required to complete project filings and obtain permits
    - Preparation and modification of sketches, drawings, submittals, etc
    - Incidental engineering and architectural services
    - Gang boxes and storage containers for Contractor's use
    - Basic safety and warning signage, minor barricades and personnel safety equipment
    - Meeting Owner's security requirements

# Using the Construction Task Catalog<sup>®</sup>

- The Contractor's Adjustment Factors include:
  - **Project Related Costs** -
    - All taxes for which a waiver is not available
    - Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area.
    - Working in extreme temperatures
    - Daily clean-up & Final professional clean-up
  - **Price Variations** –
  - **Summary of Adjustment Factor Items** –
    - The only compensation to be paid to the Contractor  
Unit Price x Quantity x Adjustment Factor
    - All costs in excess of the unit price is included in the Adjustment Factor

# Using the Construction Task Catalog<sup>®</sup>

- General Rules in the Construction Task Catalog<sup>®</sup>
  - Unit prices are for complete and in-place Construction
  - If the Contractor uses a crane or other lifting equipment the contractor will be paid for such crane or lifting equipment as a separate task
  - Unit prices include all fasteners required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment
  - Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise
  - Unit prices include sealant and caulking
  - Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation
  - For the purpose of calculating the quantity of a task quantities are calculated on a per project basis.
  - Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the **most practical and economical tasks** available



# Using the Construction Task Catalog<sup>®</sup>

- General Rules in the Construction Task Catalog<sup>®</sup>
  - **Demolition** -
    - Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items into a truck, dumpster, etc
    - Unit prices for demolition exclude costs for hauling, dump fees, dumpsters, trash chutes
    - If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task
  - **Working Height** –
    - Typical working height for work other than masonry (4') is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.

# Using the Construction Task Catalog<sup>®</sup>

- General Rules in the Construction Task Catalog<sup>®</sup>
  - **Assemblies** -
    - Assembly tasks take precedence over individual component Tasks
  - **Restricted and Confined Space** –
    - Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions.
  - **Or Equals** –
    - Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard.

# Schedule of Values Review

Schedule of Values consist of 4 main components:

- Construction Task – Prepriced and Non-Prepriced (no more than 10% total)
- Quantity – tied to a unit of measure
- Unit Price (labor, equipment and material complete-in-place)
- Adjustment Factor

72	08 71 16 00 0460	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)				\$655.68
			Quantity		Unit Price	Factor	Total
		Installation	18.00	x	37.17	x 0.9800 =	\$655.68
		Door Stop for the (N) doors					
73	08 71 16 00 1392	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate				\$525.95
			Quantity		Unit Price	Factor	Total
		Installation	2.00	x	268.34	x 0.9800 =	\$525.95
		36" Metal Plate to protect the push side of the door. Keynote# 10.					

- Unit Prices and Adjustment Factors are set at time of bid
- Review should focus on Construction Tasks and Quantities

# Schedule of Values Review

- Prepriced Task Considerations:
  - Required to complete scope of work?
  - Most appropriate task in the CTC for the item of work?
  - Part of another task?
  - Quantity correct?
  - Have Modifiers been used accurately?
  - Adjustment Factor selected is accurate?
- Non-Prepriced Task Considerations:
  - Required to complete scope of work?
  - Included in the CTC already as a prepriced task?
  - Has the correct percentage/factor been applied to the NPP task?
  - Did contractor provide all documentation to justify cost
    - Three independent quotes for material and/or subcontractor
    - In-house labor hour quantification and justification

Questions, Comments, Discussion?