

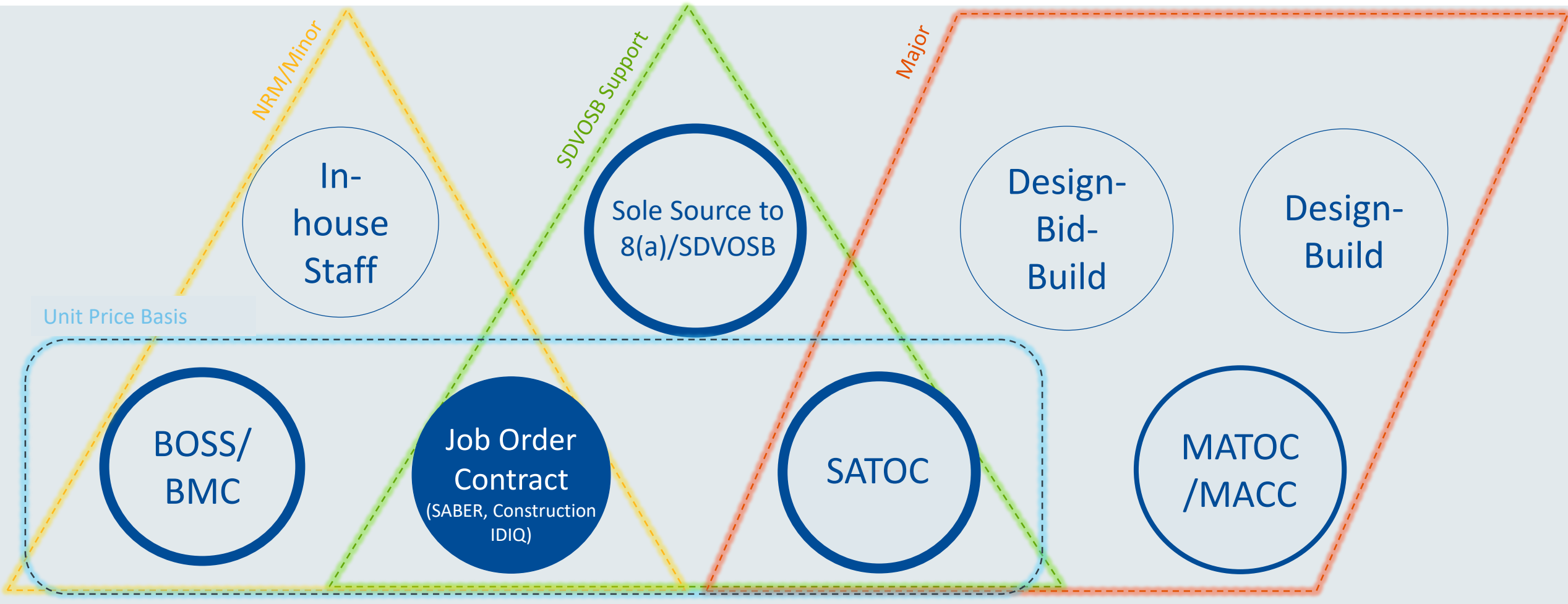
Job Order Contracting for VA NRM and Minor Construction Execution

Lisa Cooley, Director Federal Solutions, Gordian

February 20, 2019



VA NRM and Minor Construction Execution Options



Job Order Contracting

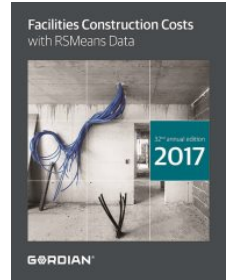


- One option in the acquisition and execution toolbox.
- One type of IDIQ contract.
- Distinguished from traditional DBB and even multiple award contract vehicles—different motivators and results, different staffing requirements.
- Shares features with IPD and other Performance-based contracting methodologies, but is uniquely suited for smaller projects.

Key Features of JOC

JOC Characteristics

- Use of a **Unit Price Book** (direct material, labor, and equipment) + **Coefficients** (contractor profit and indirect costs)
- Long-term contract has **potential for a large volume** of pre-priced task orders, but **guarantee is low**.
- Competitive source selection based on capability and past performance, technical and management proposals, sample task proposal, and coefficients, ensuring **performing contractor**.
- Utilizes a pre-defined, streamlined and collaborative process for the **scoping, pricing** and **execution** of delivery order.
- Each signed task order becomes a **fixed price, lump sum** contract and is managed accordingly.



Applicability

- Used to execute small projects, such as NRM and Minor Construction.
- BOS and SATOC share similarities in unit price, IDIQ execution for ongoing maintenance (BOS) and larger projects (SATOC).

JOC Benefits: What the Research Says

- ✓ Faster project delivery (3-9 months less)
- ✓ Streamlined engineering and design efforts
- ✓ Assurance of cost reasonableness
- ✓ Better contractor performance
- ✓ Partnering relationship
- ✓ More opportunities for local small and disadvantaged business
- ✓ Effective use of year-end funds



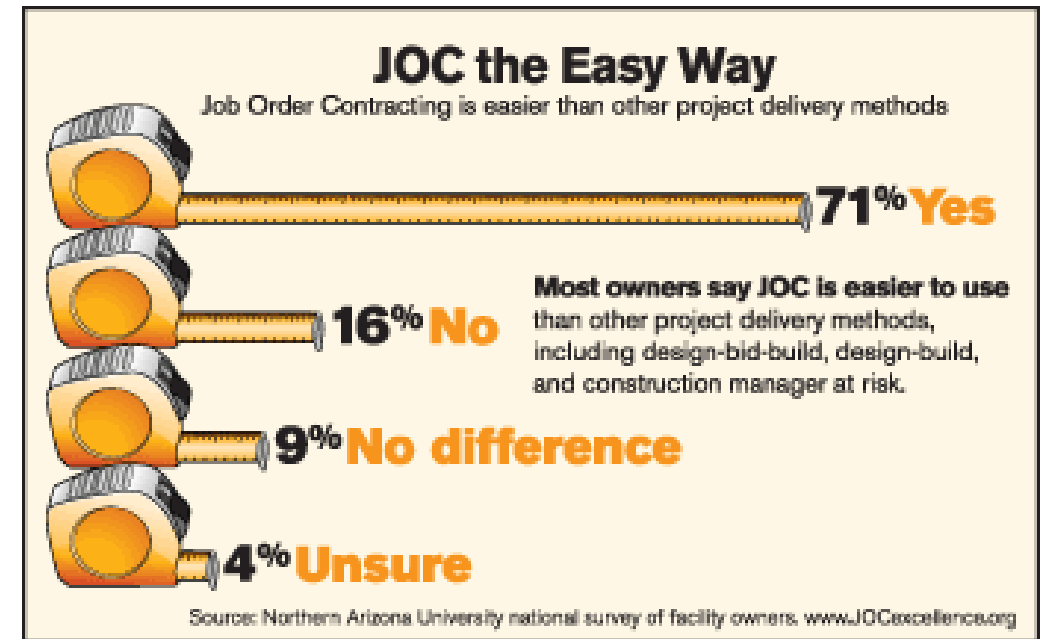
Moore, William B. and Carl F. Stout. *JOC: A Procurement Success Story*. Logistics Management Institute. 1988.

Cassell, Jordan W., and Linda T. Gilday. *Improving the Army's Job Order Contracting Program*. Logistics Management Institute, September 1997.

JOC Benefits: What the Research Says

Qualitative Study of Owners

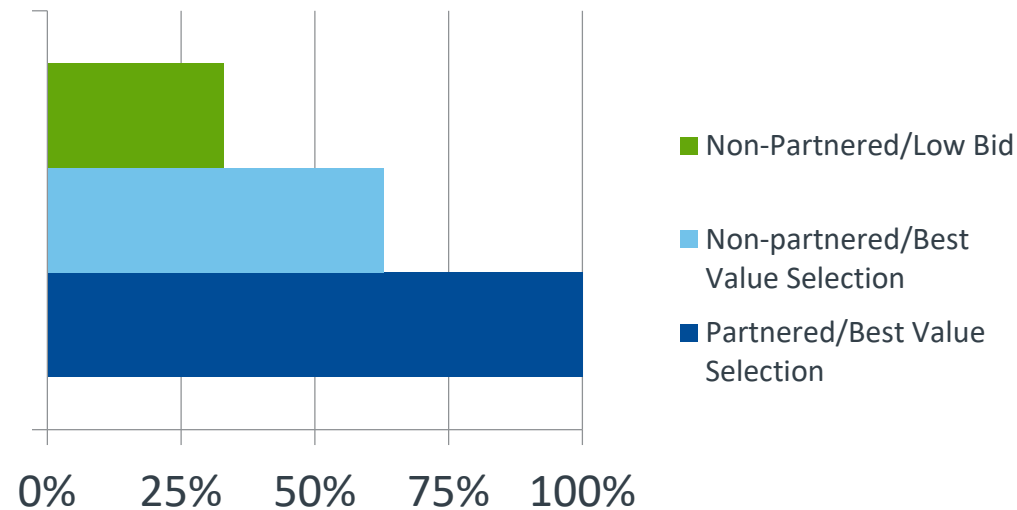
- 75% Say JOC Requires Less Time To Start Up A Project
- 57% Say JOC Requires Less Time To Design A Project
- 63% Say JOC Requires Less Time To Close Out A Project
- 71% Say JOC Is Easier To Use



Ohrn, Greg. *The Influence of Job Order Contracting as a Construction Project Delivery Method on Owner Satisfaction*, PhD Dissertation Indiana State University – 2009.

JOC Benefits: What the Research Says

- Different JOC contracts judged based on a variety of performance factors:
- Overall Satisfaction:



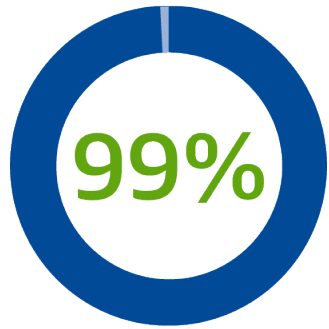
Mulcahy, Francis S. *The Effectiveness of Partnering and Source Selection in Job Order Contracting*. Master's Thesis, University of Washington, 2000.

Factors Studied:

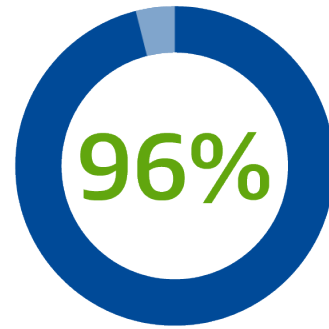
- Quality
- Safety
- On-Time Completion
- Scheduling and Performance of Subs
- Warranty Service
- Responsiveness of Support
- Innovation and Value Engineering
- Responsiveness to Client Needs
- Preventing and Solving Problems
- Contractors Management Effectiveness
- Dispute Resolution
- Level of Trust
- Communication

Arizona State University Study, 2016

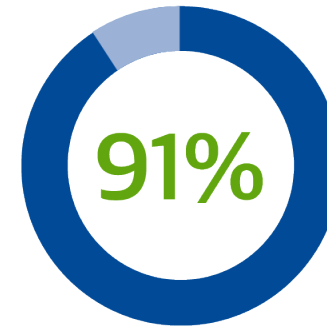
Proven Benefits of Job Order Contracting



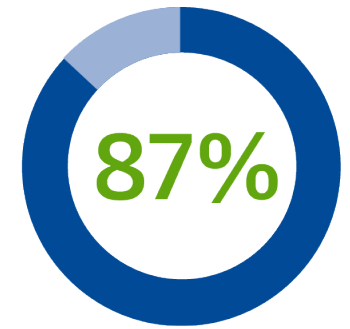
of owner respondents
**recommended Job
Order Contracting**



of Job Order Contracting
projects completed
with **satisfactory results**



of Job Order
Contracting projects
delivered **on budget**



of Job Order
Contracting projects
delivered **on time**

*Performance Based Studies Research Group (PBSRG), 2016. Job Order Contracting Performance: 2015 Industry Survey.

Owner Satisfaction

| | JOC | DBB | DB |
|--|------------|------------|------------|
| <i>Number of Responses</i> | 33 | 24 | 14 |
| Overall Satisfaction rating (1-5) | 4.1 | 2.3 | 2.0 |
| Quality of Construction (1-5) | 4.1 | 2.5 | 2.3 |
| Quality of Design Services (1-5) | 3.6 | 3.8 | 2.3 |
| Quality of Design Drawings (1-5) | 3.6 | 4.1 | 2.3 |
| Level of Transparency (1-5) | 4.2 | 2.3 | 2.2 |
| Level of Flexibility (1-5) | 4.3 | 2.0 | 2.0 |
| Allows the achievement of organizational goals (1-5) | 4.3 | 2.5 | 2.4 |
| Average Rating (1-5) | 4.0 | 2.8 | 2.2 |

Performance Based Studies Research Group (PBSRG), 2016. Job Order Contracting Performance: 2015 Industry Survey

Contractor Satisfaction

| | JOC | DBB | DB |
|--|-----------|----------|-----------|
| <i>Number of responses</i> | <i>11</i> | <i>8</i> | <i>10</i> |
| Contractor's Satisfaction Rating | 4.3 | 2.8 | 3.7 |
| Average Customer Satisfaction Rating of the Contractor | 4.4 | 3.3 | 4.1 |
| % Projects on budget | 89% | 60% | 69% |
| % Projects on time | 94% | 63% | 73% |

Major Findings: Cost Savings

Owners estimate a **24%**



administrative cost savings

Contractors estimate a **21%**



overall cost savings

Top Reasons for Cost Savings

Owners Survey

1. Procurement Administrative Time **(75%)**
2. Project Manager Support Time **(52%)**
3. Design and Drawing Costs **(30%)**
4. Decreased Documentation Demands **(30%)**
5. Minimized Admin Transactions **(14%)**

Reduces non-value added activities

Contractors Survey

1. Acquiring and Bidding New Projects **(73%)**
2. Decreased Change Orders **(45%)**
3. Decreased Time Requirements **(27%)**
4. Design **(27%)**
5. Overhead **(27%)**

Reduces non-value added activities

Proven Cost Savings

| Benefit | Definition | Range of responses |
|--|--|--------------------|
| Design Cost | Construction Task Catalog specs and project scoping service reduce design costs | 70% to 80% savings |
| Procurement Cost | Job Order Contracting process reduces procurement costs | 40% to 50% savings |
| Direct Construction Cost | Effective IGE process controls direct construction costs | 3% to 35% savings |
| Post Award Cost | UPB eliminates overcharging on change orders | 10% to 20% savings |
| Tasks Eliminated | Job Order Contracting process makes construction procurement faster by eliminating tasks | 40% to 50% savings |
| Backlog Reduction (Avoided Inflation Cost) | Job Order Contracting process reduces the impact of inflation on projects in backlog | 1.7% to 5% savings |

Source: Holden Advisors

VA NRM/Minor Challenges and Opportunities

Need to streamline project delivery to improve cycle time and throughput

Capital Planning Process needs more analytical rigor

Staffing and skillset constraints

Need Total Cost of Ownership approach

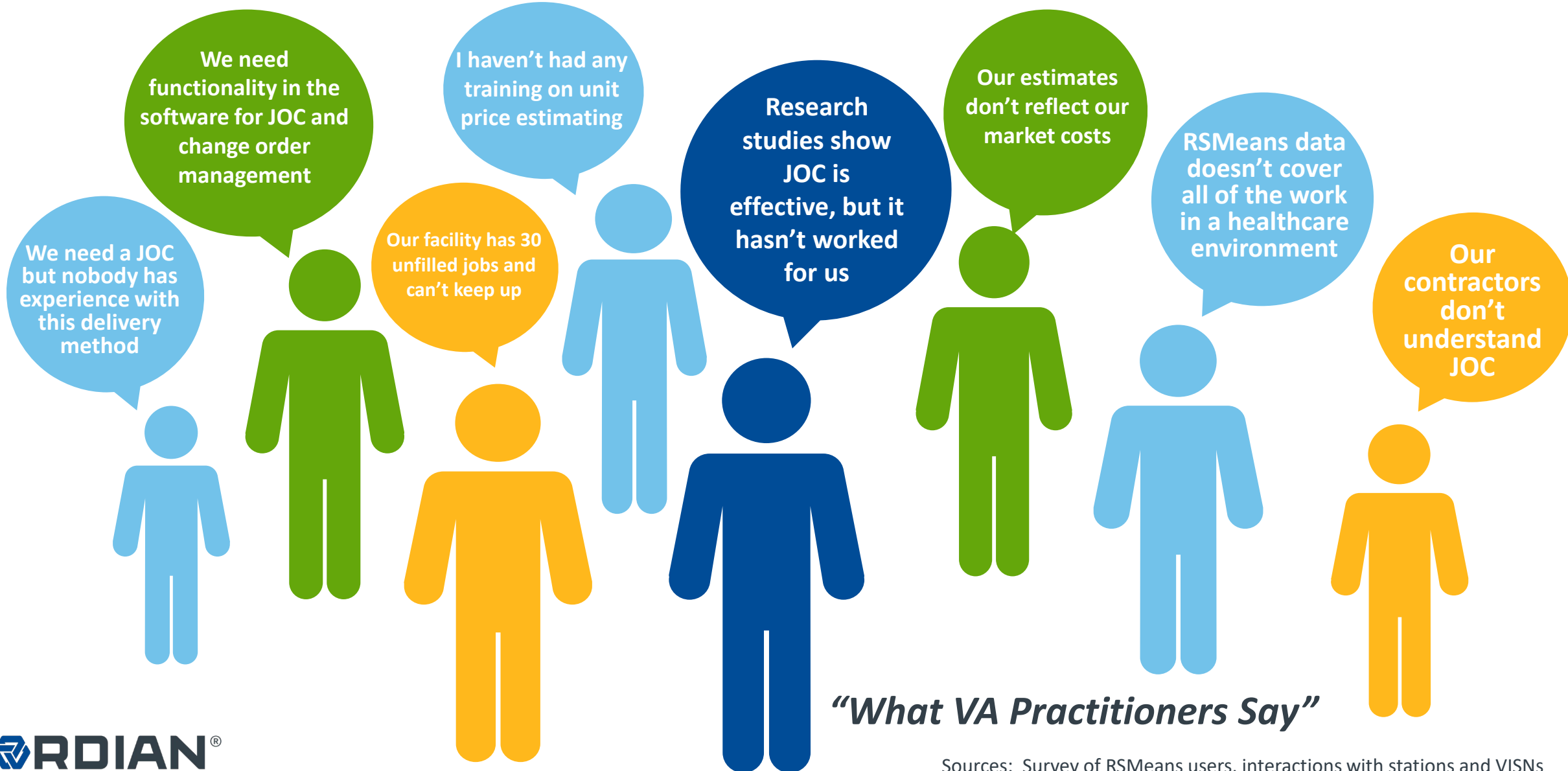
Lack of standardized cost estimating process and tools

Lack of accurate project data

SDVOSB requirements: emergent business capabilities and restricted competition impact delivery and costs

Change order process is slow and lacks business insight

VA NRM/Minor Challenges and Opportunities



Optimizing Unit Price Contracts within VA



Adopt a More **Programmatic Approach**



Leverage **Enhanced Unit Price Data** for more accurate costing

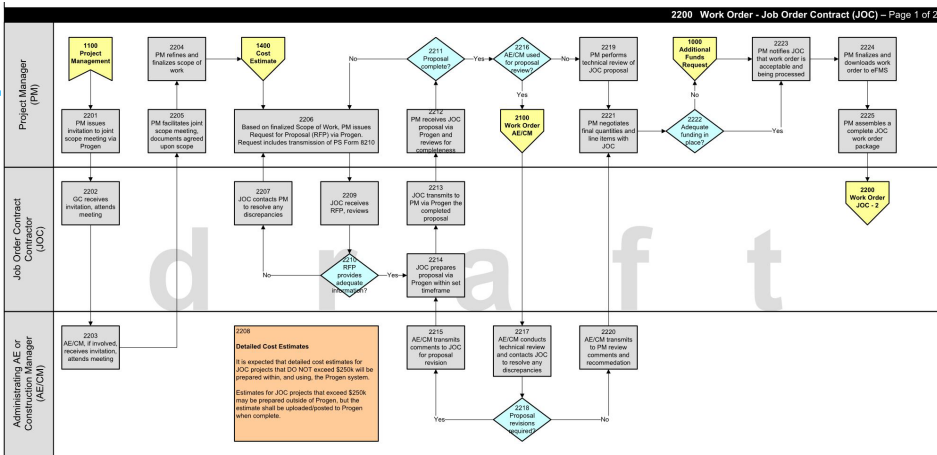
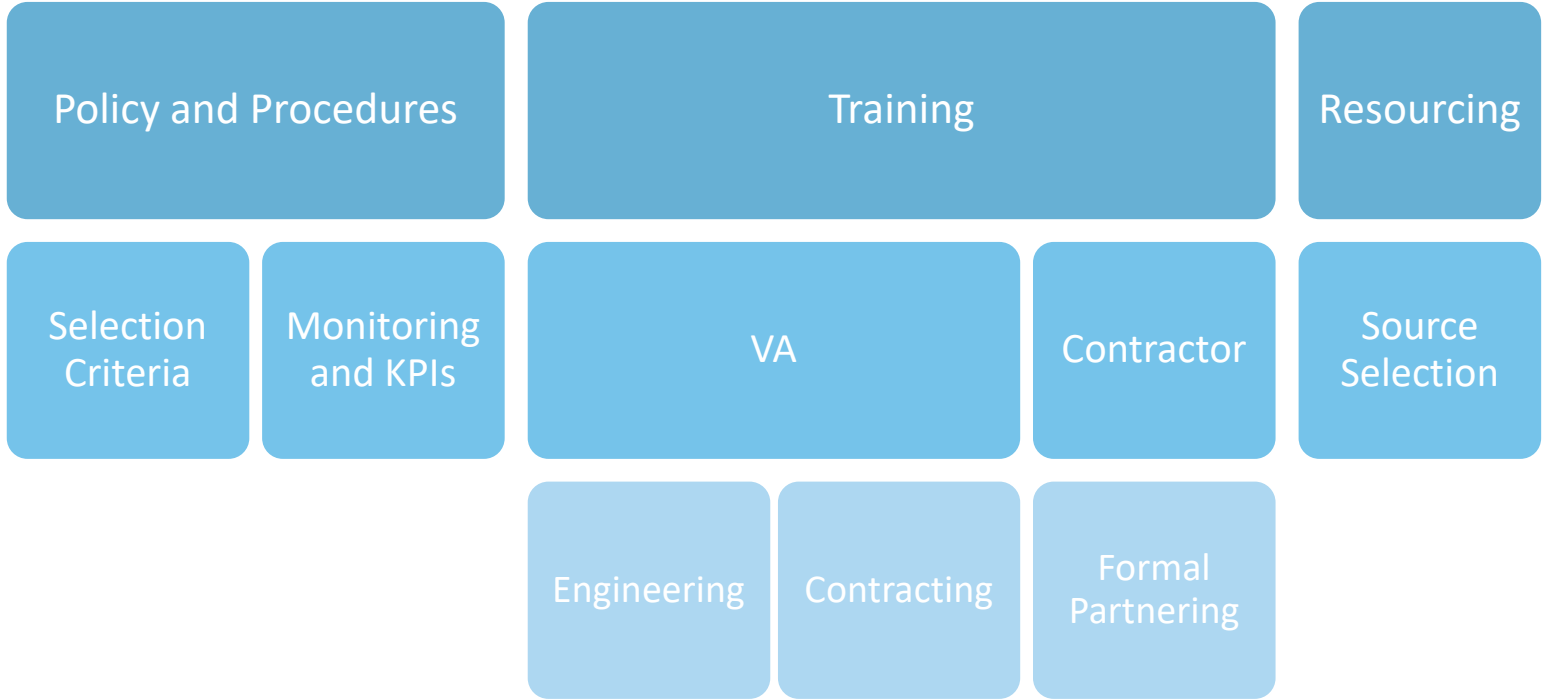


Technology Enablement

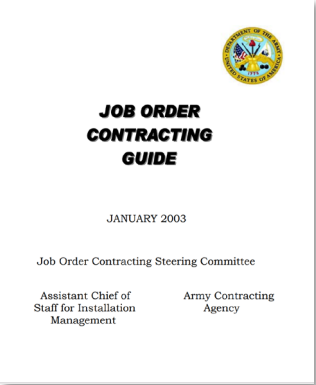


Embrace and Improve **SDVOSB Support** Role

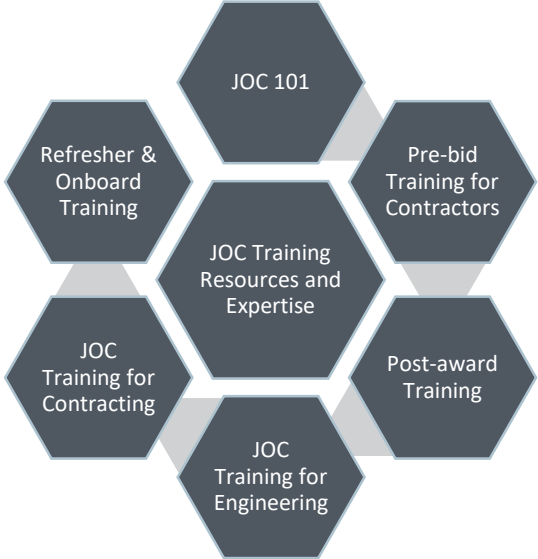
A Programmatic Approach



Business Process Mapping



JOC Standards and Procedures



A Comprehensive Training Program



Federal and Healthcare Users of JOC Program Management Systems



UCSF Medical Center

INTEGRIS
Health

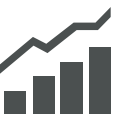


vizient™

Jackson
Healthcare



NYC
HEALTH+
HOSPITALS



Enhanced Data

Procurement-specific Data Supports JOC Programs Better

- Includes more precise task descriptions to eliminate ambiguity and reduce friction in negotiations
- Includes quantity and labor modifiers as recommended by Army JOC Guide
- Greater detail requires technology enablement

The screenshot shows the 'New Line Item' form in the GORDIAN software. The interface includes a sidebar with navigation icons (home, list, user, settings) and a top bar with navigation links ('Previous Item', 'Next Item', 'Close'). The main form area contains the following fields and options:

- CSI #:** 042710301050
- Description:** Brick walls, alternate method of estimating by square foot, common brick, 27 brick per square foot, 16" thick wall, incl mortar, 3% brick waste and 25% mortar waste, excl scaffolding, horizontal reinforcing, vertical reinforcing and grout 16" thick, 27.00 brick/S.F. (with a 'View Details' link)
- Category Path:** 04 Masonry | 0427 Multiple-Wythe Unit Masonry | 042710 Multiple-Wythe Masonry | 04271030 Brick Walls
- Cost Breakdown:**
 - ☒ Include Labor: \$15.25
 - ☒ Include Material: \$13.07
 - ☒ Include Equipment: \$0.00
- Enter Quantity (Install):** 0
- Quantity Adjustment:** Base cost (dropdown menu)
- at \$28.32 / S.F.**
- Choose Factor:** 1.16 (Normal Working H (dropdown menu))
- Enter Notes:** (text area)
- Item total (Including Modifiers):** \$0.00
- Bottom Bar:** Includes 'Add Item' (green button), 'Help' (blue button), and labels for 'Condition Tag', 'Room Tag', and 'Trade Tag'.



Customer-specific Data Enhancements

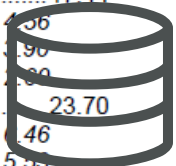
- Custom data supports unique facilities or requirements and provides higher pricing fidelity
- More robust data sets can be up to 250,000 items
- Integrated performance specifications

| | |
|--|---|
| 26 55 70 Healthcare Lighting <small>(26 55)</small> | |
| 26 55 70 00-0001 | Surgical Lighting Fixtures <small>(26 55 70)</small> |
| 26 55 70 00-0002 | EA Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen.....2,979.20 |
| 26 55 70 00-0003 | EA Install Owner Furnished Surgical Lights389.42 |

| | |
|---|---|
| 26 55 70 00-0004 | Patient Care Fluorescent Fixtures <small>(26 55 70)</small> |
| 26 55 70 00-0005 | Ambient And Exam Combination, Patient Care Fluorescent Fixtures (Cooper Fail-Safe) <small>(26 55 70 00-0004)</small> |
| <small>Note: Includes ambient and exam lights. 20 gauge steel housing with powder coated finish, acrylic diffuser and</small> | |

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)

| | |
|--|--|
| 22 66 53 Laboratory Chemical-Waste And Vent Piping <small>(22 66)</small> | |
| 22 66 53 00-0001 | Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small> |
| 22 66 53 00-0002 | Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fusal Fittings <small>(22 66 53 00-0001)</small> |
| 22 66 53 00-0003 | Schedule 40 Polypropylene Acid Resistant DWV Pipe <small>(22 66 53 00-0002)</small> |
| 22 66 53 00-0004 | LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....8.92 |
| | For Schedule 80, Add.....1.87 |
| | For Fire Retardant Thermoplastic Pipe (Proxylene), Add.....1.60 |
| | For Work In Restricted Working Space, Add.....1.60 |
| 22 66 53 00-0005 | LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....10.84 |
| | For Schedule 80, Add.....2.52 |
| | For Fire Retardant Thermoplastic Pipe (Proxylene), Add.....2.16 |
| | For Work In Restricted Working Space, Add.....1.80 |
| 22 66 53 00-0006 | LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....17.44 |
| | For Schedule 80, Add.....4.36 |
| | For Fire Retardant Thermoplastic Pipe (Proxylene), Add.....3.90 |
| | For Work In Restricted Working Space, Add.....3.80 |
| 22 66 53 00-0007 | LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....23.70 |
| | For Schedule 80, Add.....4.46 |
| | For Fire Retardant Thermoplastic Pipe (Proxylene), Add.....5.55 |
| | For Work In Restricted Working Space, Add.....3.38 |
| 22 66 53 00-0008 | LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....38.94 |



Customer-specific Data Enhancements

| | |
|---------------------------|----|
| 10 Specialties | 10 |
| 10 50 Storage Specialties | |
| 10 51 Lockers | |

| MINOR | CSI | UOM | DESCRIPTION | LABOR | EQUIP | MATERIAL | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST |
|------------------|-----|-----|---|-------|-------|----------|------------------------|----------------------|
| 10 51 13 00-0202 | | | Locker Locks | | | | | |
| 10 51 13 00-0203 | EA | | Built In Combination Lock | 3.89 | 0.04 | 19.67 | 23.60 | 1.96 |
| 10 51 13 00-0204 | | | TA-50 Military Gear Lockers | | | | | |
| 10 51 13 00-0205 | | | Expanded Metal TA-50 Military Gear Lockers | | | | | |
| | | | 1-1/2" 13 gauge expanded metal that is securely welded to 1-1/4" x 1-1/4" x 1/8" angle and channel frame. | | | | | |
| 10 51 13 00-0206 | EA | | 42" x 24" x 78" Expanded Metal TA50 Military Gear Lockers With Bolted Construction Of Doors, Sides And Back Panel | 17.02 | 0.18 | 1,276.00 | 1,293.20 | 12.03 |
| 10 51 13 00-0207 | EA | | 42" x 24" x 78" Expanded Metal TA50 Military Gear Lockers With Welded Construction Of Doors, Sides And Back Panel | 17.02 | 0.18 | 1,240.80 | 1,258.00 | 12.03 |
| 10 51 13 00-0208 | | | Welded Metal TA-50 Military Gear Lockers | | | | | |
| | | | 1-1/2" square 10 gauge welded wire that is securely welded to 1-1/4" x 1-1/4" x 1/8" angle and channel frame. | | | | | |
| 10 51 13 00-0209 | EA | | 42" x 24" x 78" Welded Wire TA50 Military Gear Lockers With Bolted Construction Of Doors, Sides And Back Panel | 17.02 | 0.18 | 1,232.00 | 1,249.20 | 12.03 |
| 10 51 13 00-0210 | EA | | 42" x 24" x 78" Welded Wire TA50 Military Gear Lockers With Welded Construction Of Doors, Sides And Back Panel | 17.02 | 0.18 | 1,196.80 | 1,214.00 | 12.03 |
| 10 51 13 00-0211 | | | Locker Repair And Refinishing | | | | | |
| 10 51 13 00-0212 | EA | | Replace Single Tier Locker Door | 60.77 | 0.63 | 123.56 | 184.96 | 0.00 |
| 10 51 13 00-0213 | EA | | Replace Two Tier Locker Door | 48.62 | 0.50 | 96.09 | 145.21 | 0.00 |
| 10 51 13 00-0214 | EA | | Replace Three Tier Locker Door | 43.76 | 0.45 | 79.67 | 123.88 | 0.00 |
| 10 51 13 00-0215 | EA | | Replace Four Tier Locker Door | 38.90 | 0.40 | 64.66 | 103.96 | 0.00 |
| 10 51 13 00-0216 | EA | | Replace Six Tier Or Sixteen Person Locker Door | 31.60 | 0.33 | 22.84 | 54.77 | 0.00 |
| 10 51 13 00-0217 | EA | | Realign Metal Locker Door For Proper Closure | 15.11 | 0.10 | 0.00 | 15.21 | 0.00 |
| 10 51 13 00-0218 | SF | | Patch Small Drill Holes In Locker | 3.02 | 0.02 | 0.00 | 3.04 | 0.00 |
| 10 51 13 00-0219 | | | Steel Basket Racks Mounted On Concrete Base | | | | | |
| | | | Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs: | | | | | |
| 10 51 13 00-0220 | EA | | 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack | 72.93 | 0.75 | 1,061.17 | 1,134.85 | 36.84 |
| 10 51 13 00-0221 | EA | | 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack | 72.93 | 0.75 | 893.52 | 967.20 | 36.84 |
| 10 51 13 00-0222 | | | All-Welded Steel Lockers | | | | | |
| 10 51 13 00-0223 | | | All-Welded Steel Lockers | | | | | |
| | | | Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks. | | | | | |
| 10 51 13 00-0224 | | | Single Tier, All-Welded Steel Lockers | | | | | |
| | | | Includes one hat shelf, two single hooks and one double hook. | | | | | |
| 10 51 13 00-0225 | EA | | 12" x 12" x 48" Single Tier, All-Welded Steel Locker | 12.15 | 0.12 | 222.12 | 234.39 | 8.60 |
| 0001 | | | For >25 To 50, Deduct | | | | -11.11 | |
| 0002 | | | For >50 To 100, Deduct | | | | -22.40 | |
| 0003 | | | For >100, Deduct | | | | -33.69 | |
| 10 51 13 00-0226 | EA | | 12" x 15" x 48" Single Tier, All-Welded Steel Locker | 12.15 | 0.12 | 235.24 | 247.51 | 8.60 |
| 0001 | | | For >25 To 50, Deduct | | | | -11.76 | |
| 0002 | | | For >50 To 100, Deduct | | | | -23.71 | |
| 0003 | | | For >100, Deduct | | | | -35.65 | |
| 10 51 13 00-0227 | EA | | 12" x 18" x 48" Single Tier, All-Welded Steel Locker | 12.15 | 0.12 | 247.86 | 260.13 | 8.60 |
| 0001 | | | For >25 To 50, Deduct | | | | -12.39 | |
| 0002 | | | For >50 To 100, Deduct | | | | -24.97 | |
| 0003 | | | For >100, Deduct | | | | -37.55 | |
| 10 51 13 00-0228 | EA | | 12" x 12" x 60" Single Tier, All-Welded Steel Locker | 12.15 | 0.12 | 232.95 | 245.22 | 8.60 |
| 0001 | | | For >25 To 50, Deduct | | | | -11.65 | |
| 0002 | | | For >50 To 100, Deduct | | | | -23.48 | |
| 0003 | | | For >100, Deduct | | | | -35.31 | |
| 10 51 13 00-0229 | EA | | 12" x 15" x 60" Single Tier, All-Welded Steel Locker | 12.15 | 0.12 | 245.57 | 257.84 | 8.60 |
| 0001 | | | For >25 To 50, Deduct | | | | -12.28 | |
| 0002 | | | For >50 To 100, Deduct | | | | -24.74 | |



Data Governance



Using The Construction Task Catalog®

CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **New York State Department of Transportation**, priced locally using current labor, material and equipment costs, and published in January 2013.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **New York State Department of Transportation**. 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.

The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.
- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.
- ☑ Labor costs include time lost for normal work breaks, layout, measuring and cutting to fit, clean-up of regular construction debris, inspection, permit compliance, job meetings and start-up.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to

pile drivers, bulldozers, excavators, backhoes, bobcats etc.) which exclude mobilization.

- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material being installed and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. 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 weights.

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.
- ☑ Unit Prices include delivery, unloading and storing materials, tools and equipment on site; moving, materials, tools and equipment from storage area or truck up to 2 ½ stories (2 stories with an attic) and within 125' to reach the site.
- ☑ Unit prices exclude moving material and equipment greater than 2 ½ stories and handling material and equipment more than 125' (See 01660).
- ☑ Unit prices for imported materials (aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors,









Unit Price Books designed specifically for JOC have integrated data governance terms, specifications, and quality assurance standards, consistent with the cost data research basis.

Eliminates ambiguity and ensures consistent interpretation of the data with contract terms and conditions.



Technology Enablement

- Management of vast cost datasets
- “Self-auditing” or automatically validated systems save significant staff time and ensure contractual compliance
- Supports IGE and task order negotiation process
- Saves significant labor hours

| | \$500,000 Task Order 200 line items | |
|----------------------------|--|---|
| | Standard Estimating Technology Enablement | JOC-Specific Technology Enablement |
| Joint Scope Development | Paper process, 16 hours  | Connected process, 8 hours  |
| Contractor Proposal | 32 hours  | 16 hours  |
| IGE | 32 hours  | 16 hours  |
| Negotiations | Manual price validation and comparison, 32 hours  | Manual price validation and comparison, 8 hours  |



Collaborative Technology Enablement

Dashboard

Contracts

Task Orders

Directory

Reports

Task Order: Construct Classroom

PROGRESS CATALOG ESTIMATE

Milestones

| Milestone | Planned | |
|---------------------|------------|-----------------------|
| Identification Date | 10/01/2016 | 10/01/2016 |
| Project Entered | 10/01/2016 | 10/01/2016 |
| Joint Scope | 10/05/2016 | 10/06/2016 10/06/2016 |
| Estimate Prepared | 10/10/2016 | |
| RFP Issued | 10/14/2016 | |

| | |
|--------------------|-------------|
| Task Order Created | Complete |
| Joint Scope | Complete |
| Scope Development | Complete |
| Estimate | In Progress |
| RFP | Not Started |

Job Order: Freedom Park Visitor Center

Job Order Details Catalog Price Proposals Share

| Price Proposal | Changes | Created | Total | Status / Action |
|-----------------------------------|---------|-----------|-------------|-----------------|
| Version 1.02 (Current Version) | View | 7/20/2016 | \$25,000.00 | Submit to Owner |

Requested Changes on Version 1.02

| Item | Field | Original Value | New Value | Reject / Accept |
|---|---------------------|-----------------------------|-----------------------------------|---|
| CSI: 05.21.19.0140 dolore et ducimus id ut et | Quantity | 4 | | <div>Reject All</div> <div>Accept All</div> |
| CSI: 05.21.19.0140 delectus ea perspiciatis doloribus eum nemo | Quantity | 0 | 5 <div>Added Item</div> | <div>✖</div> <div>✔</div> |
| CSI: 05.21.19.0140 ut eligendi qui blanditis non dolore repellat ab quos est | Quantity | 55 | 75 | <div>✖</div> <div>✔</div> |
| | Quantity Adjustment | Less than 150 S.F. | Between 150 S.F. and 750 S.F. | <div>✖</div> <div>✔</div> |
| | Factor* | 1.4% (Normal Working Hours) | 2% (Outside Normal Working Hours) | <div>✖</div> <div>✔</div> |

Contractor's Reason for Rejection:

 Please remove this item not needed per voicemail.

Owner Reason for Rejection:

 et quam et nam placeat repudiandae magni earum rerum aut

Write a comment...

Comment

Previous Comments

Patrick Perkins

at 11:45am 10/4/2016 on

V.1.12

ut dignissimos a aspernatur est reprehenderit modi sunt soluta modi sint eum

Kelly Brady

at 11:45am 10/4/2016 on

V.1.12

ut nisi qui sed tempora facilis commodi ea ut sunt et nulla

Andres Chung

at 11:45am 10/4/2016 on

V.1.12

est iure et sit non consequatur maxime ex esse qui cupiditate natus

Kendrick Olsen

at 11:45am 10/4/2016 on

V.1.12

atque consequuntur quo ea quibusdam rem consectetur recusandae voluptates quaerat sit iusto

Ruby Desai

at 11:45am 10/4/2016 on

V.1.12

minus iusto minus dolorum occaecati quia nostrum repellat rem minima et placeat

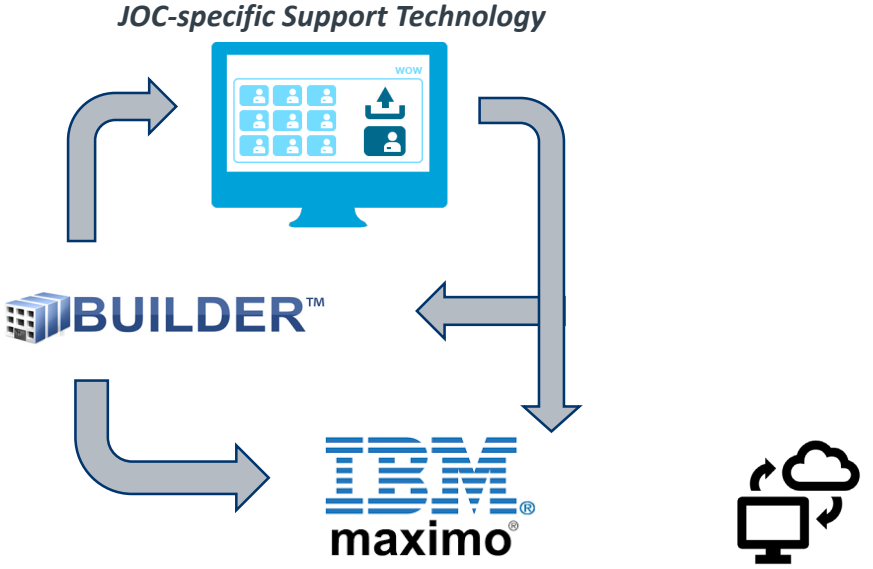
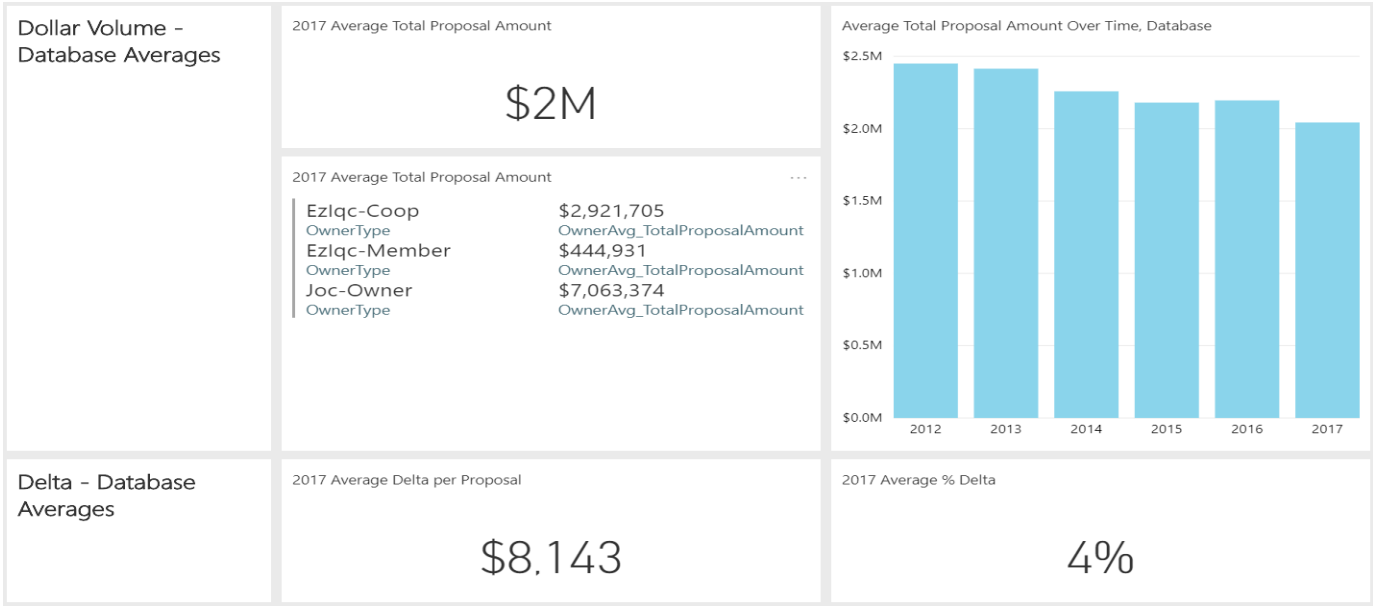
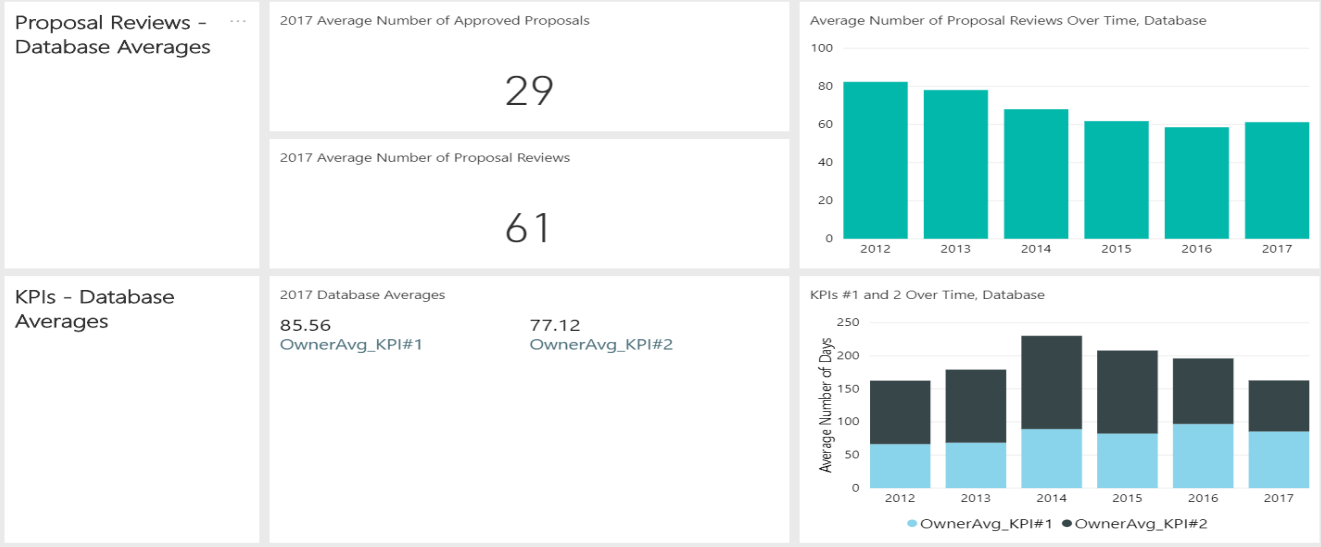
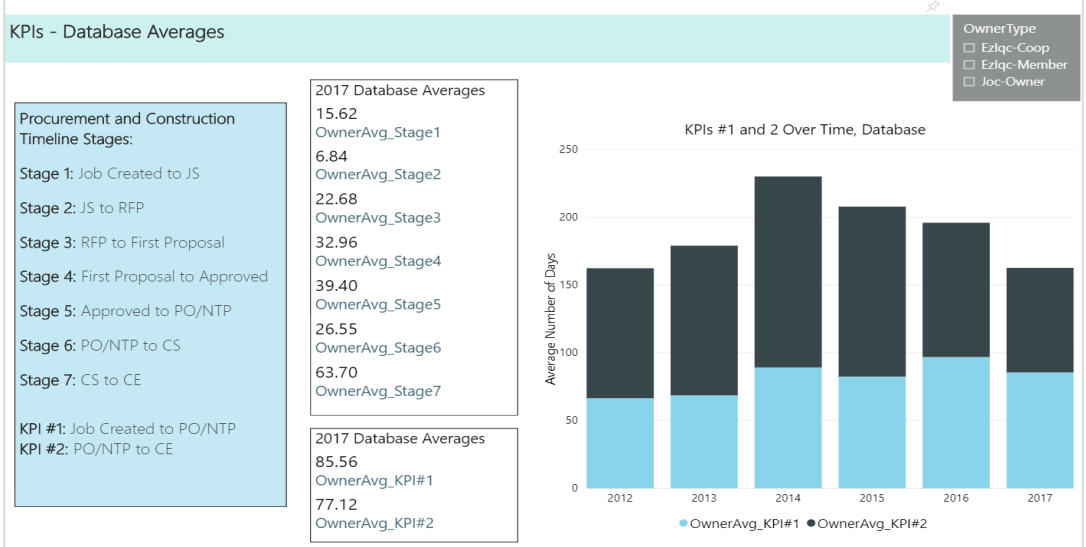
Peggy Vick

Modified Items

Open Owner/Contractor Dialogue

Rejection Reason

Technology Enablement + Programmatic Approach Allows for Analytics, Benchmarking, and Integration



- Contractor Outreach and Pre-bid Training
- Formal Partnering Support
- Dedicated Business Support Programs (e.g. HUD Section 3)
- “Pay as you go” system support to minimize cash flow impact



Expectations-

- Seamless project delivery Process
- Transparency across all lines
- KBR would be a reliable partner
- Quality will meet or exceed Standards

Blowback/Risks-

- LAWA/City Audit Review
- Securing funding in a timely manner
- Additional funding for change orders
- Impacts of overlapping Construction Allocations on LAWA facility/finances.
- Lack of funding impacts our JDC relationship.

Conflict Resolution Process

LAWA KBR Reps

| Agree on the name | John | John | John | John | John | John | John |
|-----------------------------------|------|------|------|------|------|------|------|
| Define the scope | PM | PM | PM | PM | PM | PM | PM |
| Identify the issues | PM | PM | PM | PM | PM | PM | PM |
| Identify the parties | PM | PM | PM | PM | PM | PM | PM |
| Agree on the criteria | PM | PM | PM | PM | PM | PM | PM |
| Identify the role in the decision | PM | PM | PM | PM | PM | PM | PM |
| Identify the role in the decision | PM | PM | PM | PM | PM | PM | PM |
| Identify the role in the decision | PM | PM | PM | PM | PM | PM | PM |

LAWA KBR Reps

<https://www.thecha.org/doing-business/section-3-job-order-contracting-joc-program>
<https://www.youtube.com/watch?v=pDIaH4g-z2Q>



Comprehensive Business Development Programs





Lisa Cooley

505-239-3446

l.cooley@gordian.com



Backup: The JOC Delivery Order Process

Delivery Order Process Summarized

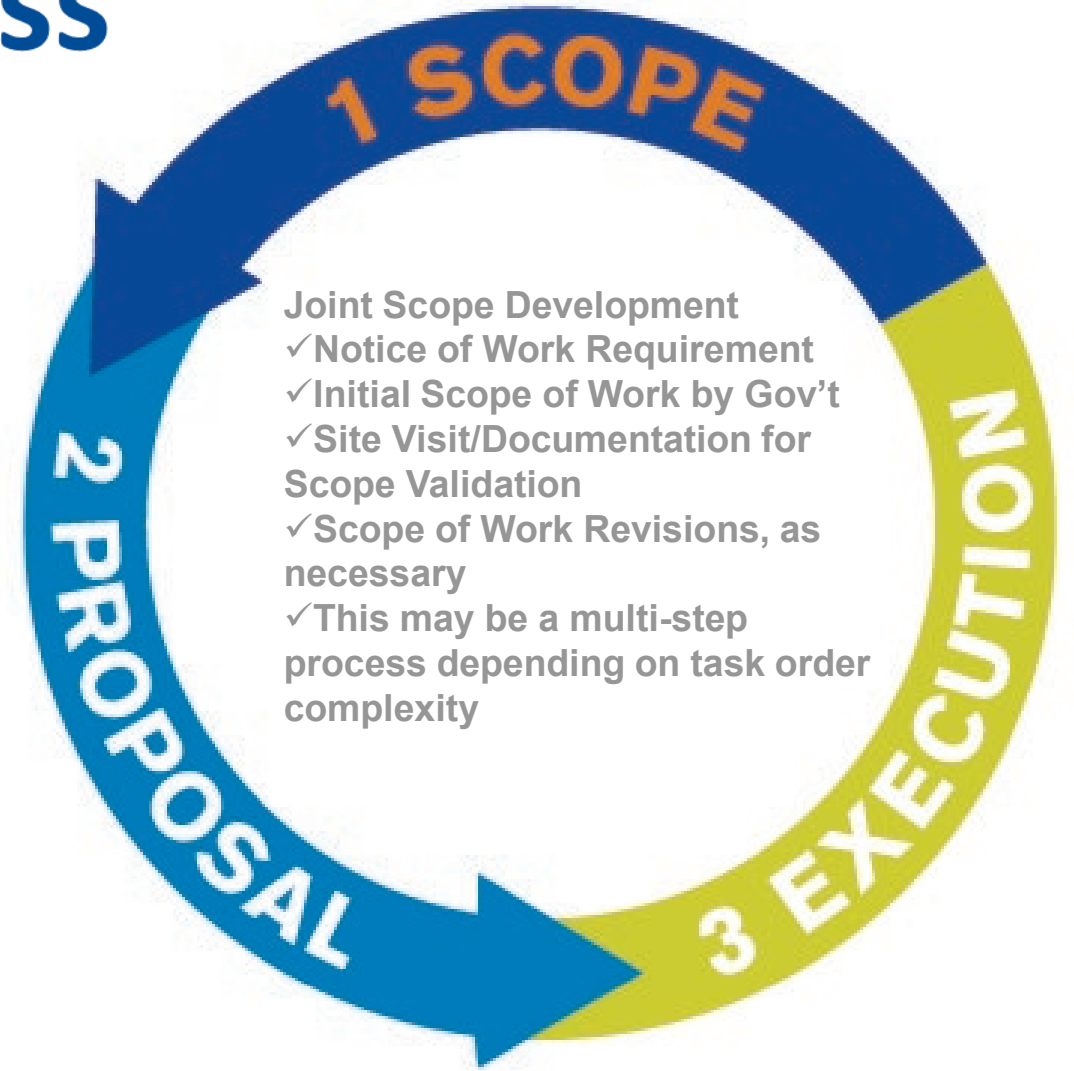
Reiterative Process. LEAN. Continuous Improvement.



Delivery Order Process



Delivery Order Process



Notice of Work Requirement

Level of owner scope preparation varies according to:

- Owner preference and skillset
- Owner people resources available
- When in planning cycle project was identified for JOC

However, DOD JOC Policy establishes formal, written Scope of Work as best practice.



Site Visit for Scope Development and/or Validation

- Collaborative, problem-solving Process
- Documentation will inform Scope Development
- Goal of capturing every necessary component of work to inform the refined SOW in Contractor's Proposal
- Tools: photographs, measuring, as-builts



Joint Scope Development Site Visit Documentation



• Remove and reinstall existing 3 urinals and 2 commodes

• Demo / dispose of 3 existing lights Reuse existing circuit for new lights.

• Remove & replace 2 existing HVAC grilles

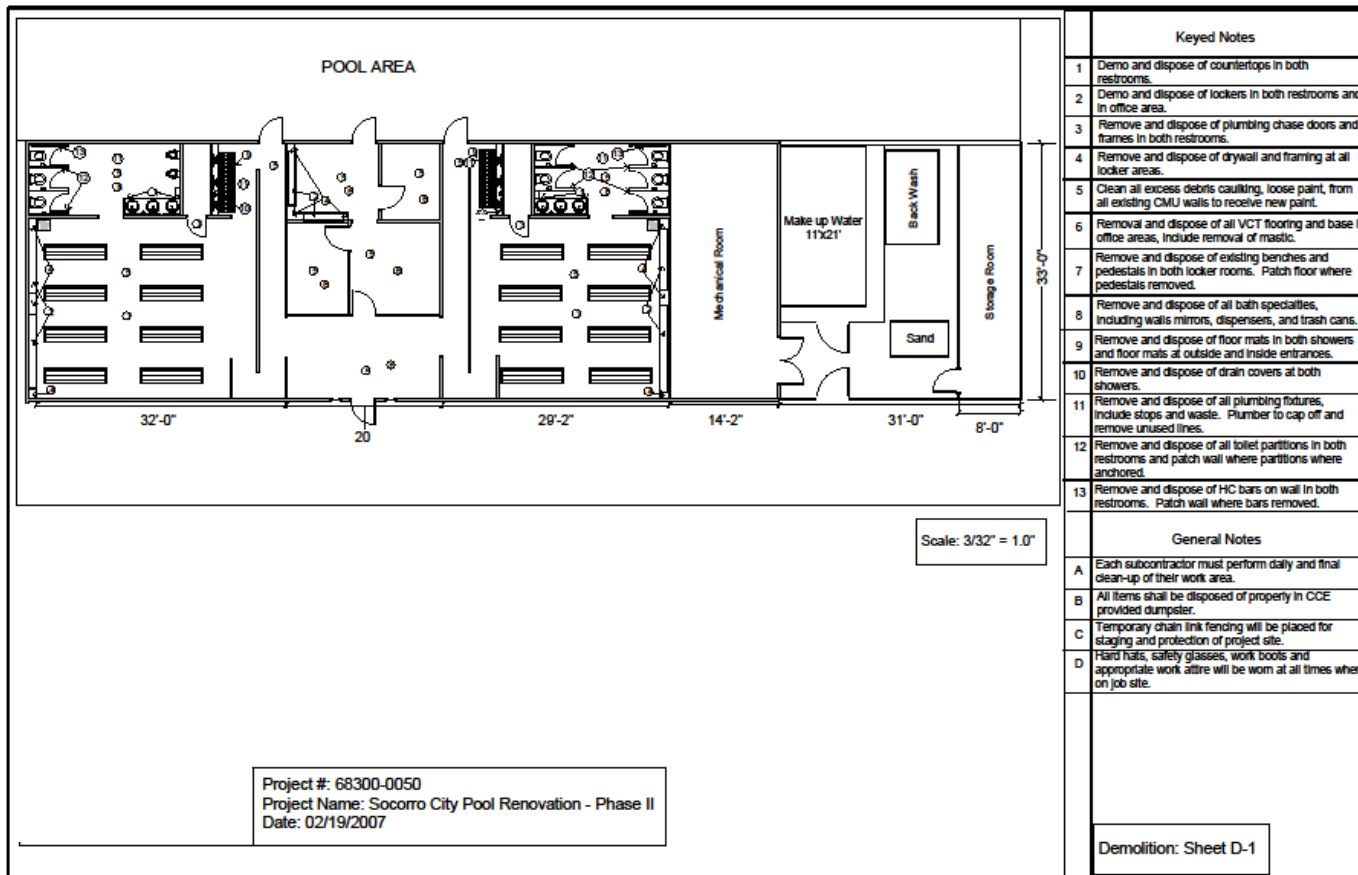
• Install gyp ceiling at 8' 8" with 4 new surface mounted explosion proof lights. Relocate existing smoke detector to new ceiling

• Demo CMU for 42" opening min. (exist opening +/- 36")

• Demo & dispose of existing metal partitions and replace with new 4" CMU covered completely with ceramic tile, with one block scupper at bottom of each

• Demo ceramic tile, floors and walls, (exist ceramic on walls is approx. 8'-0" high)

“Incidental” Design



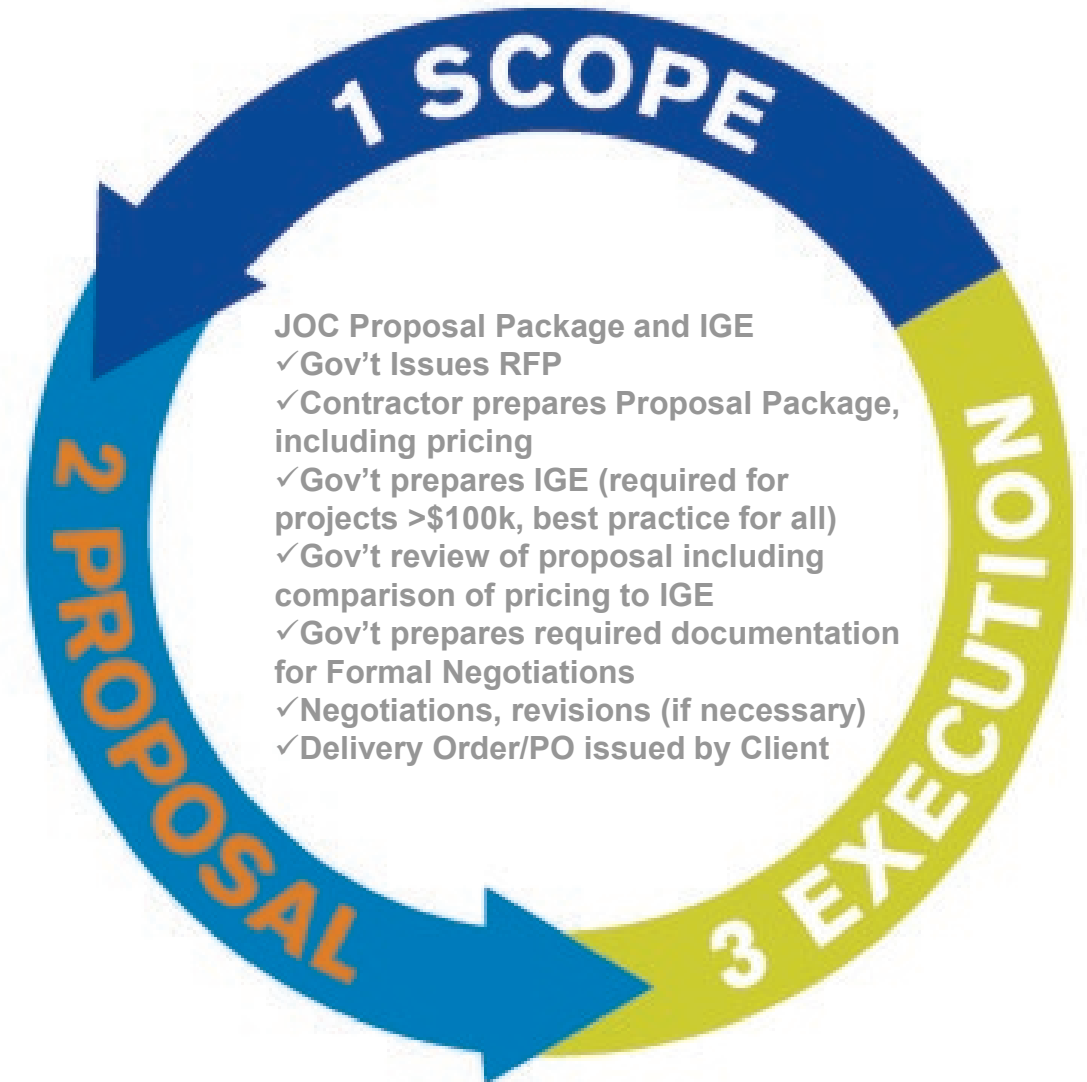
- Performed by contractor and subs
- Service included in coefficient
- Should never circumvent professional design where required or advisable
- Shop drawings, simple line drawings, annotated photos or as-builts, narrative design detail

Scope Revisions to Inform RFP

Validation of Scope is a critical step in aligning expectations and should be completed prior to Gov't Issuance of formal RFP and pricing exercises



Proposal



Proposal Package

- Generation of the line item price proposal
- Simultaneous preparation of Independent Government Estimate (IGE)
- Assurance of a fair price:
 - Are line items and quantities within identical (or within small margin of variation) in both contractor proposal and IGE?
- Technology is critical in facilitating this step

Estimate Details

| Estimator: | | | | 09 Womens bathroom finishes | | | | | | |
|--------------------------|--|--------|--------|-----------------------------|------------|------------|-----------|-------------|------------|--|
| 09 - Finishes | | | | | | | | | | |
| Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total | |
| 23 09-53-23-30-1040 | Ceiling suspension systems, hanging wire, 12 gauge, 4' long | C.S.F. | 1 CARP | 3.3800 | 7.45 | 5.45 | 0.00 | \$12.90 | \$43.60 | |
| 24 09-65-13-13-1150 | Resilient base, base, cove, rubber or vinyl, standard colors, 0.080" thick, 4" high 17.5+22+12+7+6 = 64.50 | L.F. | 1 TILF | 64.5000 | 1.01 | 1.04 | 0.00 | \$2.05 | \$132.23 | |
| 25 09-91-13-90-0370 | Walls, masonry (CMU), exterior, concrete masonry units, smooth surface, brushwork, latex, first coat | S.F. | 1 PORD | 40.0000 | 0.06 | 0.48 | 0.00 | \$0.54 | \$21.60 | |
| 26 09-91-13-90-0380 | Walls, masonry (CMU), exterior, concrete masonry units, smooth surface, brushwork, latex, second coat | S.F. | 1 PORD | 40.0000 | 0.05 | 0.32 | 0.00 | \$0.37 | \$14.80 | |
| 27 09-91-13-90-0390 | Walls, masonry (CMU), exterior, concrete masonry units, smooth surface, brushwork, waterproof sealer, first coat | S.F. | 1 PORD | 40.0000 | 0.24 | 0.42 | 0.00 | \$0.66 | \$26.40 | |
| 28 09-91-13-90-0400 | Walls, masonry (CMU), exterior, concrete masonry units, smooth surface, brushwork, waterproof sealer, second coat | S.F. | 1 PORD | 40.0000 | 0.24 | 0.28 | 0.00 | \$0.52 | \$20.80 | |
| 29 09-91-23-72-0940 | Walls and ceilings, interior, concrete, drywall or plaster, latex, paint two coats, sand finish, roller (338.056)+(17.5+22+12+7+6+10+4.5)*10 = 1,128.06 | S.F. | 1 PORD | 1,128.0560 | 0.12 | 0.30 | 0.00 | \$0.42 | \$473.78 | |
| 30 09-91-23-72-0940-1700 | Walls and ceilings, interior, for oil base paint, add (Modified using 09-91-23-72-1700) | S.F. | 1 PORD | 1,128.0560 | 0.01 | 0.00 | 0.00 | \$0.01 | \$11.28 | |
| 31 09-97-10-10-1200 | Coatings and paints, in five gallon lots, paint, interior, alkyd, oil base, enamel undercoat | Gal. | | 3.0000 | 32.50 | 0.00 | 0.00 | \$32.50 | \$97.50 | |
| 09 - Finishes Total | | | | | \$5,301.11 | \$6,268.66 | \$0.00 | \$11,569.76 | | |
| 10 - Specialties | | | | | | | | | | |
| 32 10-21-13-13-2500 | Metal toilet compartments, cubicles, floor anchored, headrail braced, powder coated steel | Ea. | 2 CARP | 2.0000 | 385.00 | 118.00 | 0.00 | \$503.00 | \$1,006.00 | |
| 33 10-28-13-13-0510 | Commercial toilet accessories, dispenser units, combined soap and towel dispensers, mirror and shelf, flush mounted | Ea. | 1 CARP | 1.0000 | 310.00 | 35.50 | 0.00 | \$345.50 | \$345.50 | |
| 34 10-28-13-13-0610 | Commercial toilet accessories, dispenser units, towel dispenser and waste receptacle, 18 gallon capacity | Ea. | 1 CARP | 1.0000 | 325.00 | 35.50 | 0.00 | \$360.50 | \$360.50 | |
| 35 10-28-13-13-3800 | Commercial toilet accessories, mirror, with stainless steel 3/4" square frame, with 5" stainless steel shelf, 72" x 24" | Ea. | 1 CARP | 1.0000 | 291.00 | 59.00 | 0.00 | \$350.00 | \$350.00 | |

Execution



JOC Process Drives Superior Results



Summarizing the Benefits

- Streamlined Acquisition
- Faster and more efficient
- Transforms contractor behavior
- Reduced Change Orders and virtually eliminates defaults, terminations and claims
- Fully transparent and auditable process

